Off-Site Management Agreement (OSMA) Letter

424 Churchill Avenue North, Ottawa, Ontario

Prepared on Behalf of Churchill Properties Inc.

For the Corporation of the City of Ottawa

May 12, 2025

02103035.000

ENGLOBE

Executive Summary

Englobe conducted a Phase Two ESA at the property located at 424 Churchill Avenue in Ottawa, Ontario, in 2024 and a supplemental sub-surface investigation in 2025 to evaluate the environmental quality of soils and groundwater at the Site based upon the findings of the environmental investigations conducted at the Site the following conclusions are presented.

Multiple parameters of concern were observed to exceed the MECP Table 7 SCS in soil including;

- Concentrations of PHC F4 gravimetric (6,100 µg/g) and barium (630 µg/g) at MW23-01 at a depth of 0.3 to 0.9 m bgs; and
- Concentrations of lead (200 µg/g), anthracene (1.2 µg/g), benzo(a)anthracene (3.5 µg/g), benzo(a)pyrene (3 µg/g), benzo(b/j) fluoranthene (4.3 µg/g), benzo(k)fluoranthene (1.7 µg/g), dibenzo(a,h)anthracene (0.54 µg/g), fluoranthene (8.6 µg/g), and indeno(1,2,3-cd)pyrene (2 µg/g) at MW23-04 at a depth of 0 to 0.3 m bgs.
- Concentrations of Lead (260 µg/g) at MW25-03 at a depth of 0.1 to 0.75 m bgs;
- Concentrations of Lead (210 µg/g), Copper (1000 µg/g), and Zinc at MW25-05 at a depth of 0.1 to 0.6 m bgs;
- benzo(a)anthracene (0.92 µg/g), benzo(a)pyrene (0.85 µg/g), benzo(b/j) fluoranthene (1.2 µg/g), dibenzo(a,h)anthracene (0.17 µg/g), fluoranthene (2 µg/g), and indeno(1,2,3-cd)pyrene (0.72 µg/g) at MW25-02A at a depth of 0 to 0.75 m bgs.

These exceedances of the MECP Table 7 SCS in soil at the Site were all observed in the fill material on Site which ranges from 0 to 1.7 mbgs or bedrock. These impacts are vertically delineated by bedrock. Though some soil samples at the Site meet the MECP Table 7 SCS, it is assumed that all the fill material across the Site is impacted. The proposed development at the Site, which includes a 58 unit mid-rise apartment building with a 3-level underground parking garage covering a majority of the Site, will result in the removal of all fill material and bedrock from the Site from property line to property line. As such, all exceedances of the Table 7 SCS will be removed from the Site to facilitate the proposed development.

Based on measured groundwater elevation data, The QP is of the opinion that the groundwater conditions observed on April 29, 2021, October 5, 2023, and March 28, 2025 are the most representative of the stabilized groundwater elevations at the Site accounting for temporal and seasonal variation across multiple years. Based on the stabilized groundwater elevations observed on these dates the groundwater direction is toward the south-southwest. As a result of the groundwater flow direction the PCAs and the APECs present on the Site have been changed as illustrated in Figures 4A, 4B and 5. Based on the re-evaluation of PCAs and APECs the QP is of the opinion that groundwater impacts on the Site are a result of a combination of an On-Site source (former dry cleaner) and Off-Site sources present upgradient of the Site.

The results of the environmental investigations indicated exceedances of the MECP Table 7 SCS for multiple parameters of concern in groundwater including;

- Petroleum Hydrocarbons (PHCs), PHC F1 at MW23-02:

    - Lateral delineation was achieved by MW25-2A, MW25-1A, MW23-01, and MW23-04,
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Petroleum Hydrocarbons (PHCs), PHC F2 and F3 at MW21-01:
    - Lateral delineation was achieved by MW25-4A, MW25-5, and MW23-01
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Benzene at MW25-4A and MW25-4B:
    - Lateral delineation was achieved by MW25-1A, MW21-01, and MW21-02
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Volatile Organic Compounds (VOCs)
    - VOC impacts have been vertically delineated by MW25-3 and MW24-1. Due to the groundwater impact observed in some of the monitoring wells located on the property boundaries the Risk Assessment will apply non-Standard delineation to address VOC impacts in groundwater at the Site.

Section 49.1 paragraph 1 of the regulation is being relied upon. Exceedances of the MECP Table 7 SCS of road salt related parameters including, Electrical Conductivity, and Sodium Absorption Ratio (SAR) in soil and Chloride and Sodium in groundwater. Paragraph 1 of Section 49.1 of O.Reg. 153/04 states that apparent exceedances of EC and SAR in soil and Chloride and Sodium in groundwater are deemed not to be exceedances if the Qualified Person attributes these results to the use of de-icing salt application to surfaces for the safety of vehicular and pedestrian traffic under conditions of snow and ice or both. A review of the analytical results indicated that elevated road-salt related parameters in soil and groundwater were associated with the locations of parking lots, sidewalks and roadways on adjacent property. As a result the exceedances of EC and SAR in soil and Chloride and Sodium in groundwater are not considered contaminants of Concern at the Property.

A Risk Assessment under the Regulation O.Reg 153/04 is currently underway to quantify potential risks to human and ecological health at the Site for future uses based on the presence of exceedances of the MECP Table 7 SCS in soil and groundwater at the Site. The Risk Assessment will propose the following engineered Risk Management Measures (RMMs) to be implemented as part of the proposed development for the protection of human and ecological receptors expected to be present at the Site post-development;

- Construction of a 2-level underground parking structure/storage garage under the building at the Site. The proposed building will cover the majority of the Site and the underground parking structure/storage garage will cover the entire building area at grade.
- Construction of a Vapour Mitigation System (VMS) comprised of a sub-slab vapour barrier and venting system beneath the entire foundation slab for the building to be constructed on the Site
- Construction of surface barrier systems for portion of the Site not covered by the building to mitigate potential health risks as a result of exposure to COCs in soil through direct contact pathways. The RMM will consist of:
    - Hard cap surface barrier systems such as pavements and asphalt
    - Fill cap barrier systems such as soil, granular fill, or topsoil or a combination for use in vegetated and landscaped areas.

Additionally, to address the hydrogeological requirements of the development the building foundation walls and base will be waterproofed.

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1 Introduction

1.1 General

Englobe Corp. (Englobe) was retained by Churchill Properties Inc. (the "Client") to conduct an Off-Site Migration Study for submission to the Corporation of the City of Ottawa ("City of Ottawa") for the property located at 424 Churchill Avenue North in Ottawa, Ontario (herein referred to as the "Site").

The development plans for the Site include a new seven storey, 58 unit mid-rise apartment building with a 3-level underground parking garage. In order to develop this parcel of land as planned, the land use of the property will be changed from commercial to residential, which triggers the need for the filing of a Record of Site Condition (RSC) as per *Ontario Regulation 153/04 Records of Site Condition - Part XV.1 of the Act under the Ontario Environmental Protection Act, R.S.O. 1990, chapter E.19* (O. Reg. 153/04), as amended.

The purpose of this Report is to evaluate the potential for off-Site migration of groundwater and soil exceeding the applicable Ministry of Environment, Conservation, and Parks (MECP), Site Condition Standards (SCS) present on or beneath the Site.

1.2 Site Description

The Site is located at 424 Churchill Avenue North in Ottawa, Ontario, in an area zoned as TM H(24) - Traditional Mainstreet Zone. The Site is currently vacant. It was previously developed with a single-storey, single-tenant commercial building, with one underground basement level, and an asphalt parking lot. The building, which had a footprint area of approximately 350 m^2, has since been demolished but was formerly operated as a dry cleaner and laundromat (Laundry Land). The Site is bordered to the North by Danforth Avenue, to the East by Churchill Avenue North, to the South by Byron Avenue, and to the West by 352 Danforth Avenue.

The Site and the surrounding properties are shown on Figures 1 in Appendix A.

A summary of the Site details is presented below.

Table 1.1. Phase Two Property detail summary

Item	Detail
Municipal Address	424 Churchill Avenue North, Ottawa,
Site Area	1,006.76 m^2
Property Identification No.	04017-0158
Legal Description	LT 1 & PT LT 2, PL 204, S/S OF DANFORTH AV; ALL AS IN N632657 ; OTTAWA/NEPEAN

Item	Detail
Site Centroid	441001.74 m E, 5026679.72 m N (UTM NAD83-18)

1.3 Property Ownership

Englobe was retained by Churchill Properties Inc. The contact information for Michael Hopkins, Churchill Properties Inc.'s representative, is as follows:

Email: michael@gsiproperties.ca

1.4 Current and Proposed Future Uses

Based on a review of the available information, the Site was first developed sometime prior to, or during, year 1915. A building noted as a church is present on the Site in the 1915 Fire Insurance Plan (FIP). No earlier records are available for the Site. The Site was used for commercial/retail purposes from approximately 1928 and to 1960. From approximately 1960 to 2020, the Site building was used as a laundromat and dry cleaning facility. The Site is currently vacant following demolition of the former Site building.

The proposed building will cover an approximate area of 882.3 m^2 and will be comprised of a seven-storey multi-unit residential building with 3 basement levels to be used for parking. Based on the architectural and civil Site plans available to Englobe, the ground floor of the building will be at an approximate elevation of 75.92 metres above sea level (masl). The B3 basement level will be approximately 10.6 meters deeper, at an approximate elevation of 65.32 masl. The completed building will have a finished average grade elevation of approximately 73.10 masl.

In order to develop this parcel of land as planned, the land use type will be changed to residential, which requires the filing of a Record of Site Condition (RSC) as per *Ontario Regulation 153/04 Records of Site Condition - Part XV.1 of the Act under the Ontario Environmental Protection Act, R.S.O. 1990, chapter E.19* (O. Reg. 153/04), as amended.

1.5 Applicable Site Condition Standards

Based on Site conditions, the following Site Conditions Standards were considered applicable to the Site:

SOIL:

Ontario Ministry of the Environment, Conservation and Parks (MECP) “Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act”, April 2011. Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (Residential/Parkland/Institutional Property Use, coarse textured soils).

GROUNDWATER:

MECP “Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act", April 2011. Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (All Types of Property Use, coarse textured soils).

The rationale for the selection of the above-referenced Site Condition Standards was as follows:

- The Site and properties within 250 m of the Site are supplied with potable water through the City of Ottawa’s municipal drinking water system; thus, the potable groundwater pathway is not considered applicable;
- The proposed future use of the site is residential under O.Reg 153/04;
- Based on the boreholes advanced at the Site, more than 1/3 of the property consists of less than two metres of overburden soil overlying the bedrock. The Site is, therefore, designated as a shallow soil property as per O. Reg 153/04 (as amended) section 43.1(3).
- Depth to bedrock across the Site was less than 2 mbgs.
- The Site is located more than 30 metres from the nearest surface water body;
- Surface soils at the Site do not have a pH value less than 5 or greater than 9 (refer to the laboratory certificates of analysis in Appendix E); and

2 Background Information

2.1 Physical Setting

Aerial photographs, as well as soil, bedrock geology, and topography maps were reviewed for information pertaining to the physical setting of the Site. The Site is located at an approximate elevation of approximately 68-70 masl. The Ottawa River is the nearest surface water feature, found approximately 650 m northwest of the Site. No wetlands and Areas of Natural and Scientific Interest (ANSIs) are present in the Phase One Study Area. All properties within the Phase One Study Area appear to be serviced by the City of Ottawa municipal drinking water system. The Site is located within the City of Ottawa Intake Protection Zone (IPZ) 2.

2.2 Past Investigations

Englobe completed a review of available previous environmental reports for the Site. The findings are summarized below:

2.2.1 Phase One Environmental Site Assessment (Englobe, February 2023)

Englobe prepared a Phase One ESA report for the Site in 2023. The primary objective of the Phase One ESA was to assess the Site and surrounding lands within a 250 m radius for potentially contaminating activities (PCAs), to identify any Areas of Potential Environmental Concern (APECs) at the Site.

Based on the findings of the Phase One ESA, the following PCAs and APECs were identified at the Site:

PCA				APEC			
PCA No.	O. Reg. 153/04 PCA Item No.	PCA Location (On/Off Site)	Historical and/or Current Activities	APEC No.	Location of APEC on the Site	Contaminants of Potential Concern (COCs)	Potentially Impacted Media (Groundwater, Soil, and/or Sediment)
PCA 1	37. Operation of Dry Cleaning Equipment (where chemicals are used)	On-Site	Laundromat and dry cleaning facility	APEC 1	Entire Site	VOCs	Soil and Groundwater
PCA 2	Undefined No. 1. Application of salt for de-icing purposes for the safety of vehicular or pedestrian traffic	On-Site	Application of salt for de-icing purposes for the safety of vehicular or pedestrian traffic	APEC 2[1]	Parking Area and Driving Laneway	EC, SAR, Cl^-, Na	Soil and Groundwater

PCA				APEC			
PCA No.	O. Reg. 153/04 PCA Item No.	PCA Location (On/Off Site)	Historical and/or Current Activities	APEC No.	Location of APEC on the Site	Contaminants of Potential Concern (COCs)	Potentially Impacted Media (Groundwater, Soil, and/or Sediment)
PCA 3	30. Importation of Fill Material of Unknown Quality	On-Site	Potential historical importation of fill material of unknown quality on Site	APEC 3	Entire Site	PAHs, Metals, As, Sb, Se	Soil

Notes: [1]Road salt and/or de-icing substances have likely been applied to the surface of the driveway/parking areas of the Site for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both; thus, it is the QP's opinion that this PCA and associated APEC are exempted, and no soil and groundwater samples must be collected and submitted for laboratory analyses for related parameters.
As = Arsenic
Cl^- = Chloride
EC = Electrical conductivity
Na = Sodium
PAHs = Polycyclic aromatic hydrocarbons
SAR = Sodium adsorption ratio
Sb = Antimony
Se = Selenium
VOCs = Volatile organic compounds

Based on the finding of the Phase One ESA for the Site, further environmental investigation, in the form of a Phase Two ESA, was recommended to investigate the environmental condition of the soil and groundwater at the Site prior to the filing of an RSC.

2.2.2 Phase Two Environmental Site Assessment (Englobe, March 2024)

Based on the recommendations of the Phase One ESA, Englobe conducted a Phase Two ESA at the Site. The following summarizes the scope of work and the conclusions of the Phase Two ESA;

- Eight boreholes finished with monitoring wells (MW21-01, MW21-02, MW21-03, MW23-01, MW23-02, MW23-03, MW23-04, and MW24-1) were advanced across the property to depths ranging from 8.2 mbgs to 30.5 mbgs.
- Depth to bedrock at the Site ranged from 0.8 mbgs to 1.8 mbgs.
- A total of six soil samples were collected during the investigation and submitted for laboratory analysis of various Potential Contaminants of Potential Concern (PCOCs), specifically as follows:
    - Three soil samples (one from each of boreholes MW21-01, MW21-02, MW21-03) were submitted for laboratory analysis of petroleum hydrocarbons (PHCs F1-F4) and volatile organic compounds (VOCs);
    - Three soil samples (one from each of boreholes MW23-01, MW23-03, and MW23-04) were submitted for laboratory analysis of PHCs F1-F4, VOCs, polycyclic aromatic hydrocarbons (PAHs), metals, Arsenic (As), Antimony (Sb) and Selenium (Se); and
    - One soil sample, collected from borehole MW21-02, was submitted for laboratory analysis of pH.

- A total of 14 groundwater samples (a minimum of one from each of monitoring wells MW21-01 through MW21-03, MW23-1 through MW23-04, and MW24-1), in addition to two blind field duplicates, were collected during the investigation and submitted for laboratory analysis of one or more of the following method groups: PHCs F1-F4, BTEX, VOCs, PAHs, metals, As, Sb, Se, and dissolved chloride.
- There was no water body or sediment identified on the Phase Two Property at the time of Englobe's investigation; therefore, surface water and sediment were not investigated as part of this Phase Two ESA.

Soil sample results were compared to the MECP Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (Residential/Parkland/Institutional Property Use, coarse textured soil as per "Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act", April 15, 2011. Based on the laboratory analytical results, concentrations of all analyzed parameters in the laboratory-submitted soil samples met the applicable MECP Table 7 SCS, with the exception of:

- Concentrations of PHC F4 gravimetric (6,100 µg/g) and barium (630 µg/g) at MW23-01 at a depth of 0.3 to 0.9 m bgs; and
- Concentrations of lead (200 µg/g), anthracene (1.2 µg/g), benzo(a)anthracene (3.5 µg/g), benzo(a)pyrene (3 µg/g), benzo(b/j) fluoranthene (4.3 µg/g), benzo(k)fluoranthene (1.7 µg/g), dibenzo(a,h)anthracene (0.54 µg/g), fluoranthene (8.6 µg/g), and indeno(1,2,3-cd)pyrene (2 µg/g) at MW23-04 at a depth of 0 to 0.3 m bgs.

Groundwater sample results were compared to the MECP Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (All Types of Property Use, medium-fine textured soils) as per "Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act", April 2011. Based on the laboratory analytical results, the following exceedances of the applicable MECP Table 7 were detected in the groundwater samples collected:

- Concentrations of 1,1- dichloroethylene in the groundwater sample collected from monitoring well MW21-02 (0.66 µg/L), MW23-01 (as well as field duplicate MW23-11) (1.2 µg/L), and MW23-03 (2 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of 1,2-dichloroethylene (cis) in the groundwater samples collected from monitoring wells MW21-01 (220 µg/L), MW21-02 (860 µg/L), MW23-01 (as well as field duplicate MW23-11) (max. 630 µg/L in August 2023 and 40 µg/L in November 2023), MW23-02 (16 µg/L in September 2023, 33 µg/L in November 2023, and 27 µg/L in January 2024), and MW23-03 (940 µg/L) exceeded the applicable MECP Table 7 standard (1.6 µg/L);
- Concentrations of 1,2-dichloroethylene (trans) in the groundwater samples collected from monitoring wells MW21-01 (3.7 µg/L), MW21-02 (12 µg/L), MW23-01 (as well as field duplicate MW23-11) (max. 4.7 µg/L), MW23-02 (1.7 µg/L), and MW23-03 (14 µg/L) exceeded the applicable MECP Table 7 standard (1.6 µg/L);
- Concentrations of tetrachloroethylene in the groundwater samples collected from monitoring wells MW21-01 (930 µg/L), MW21-02 (890 µg/L), MW21-03 (32 µg/L in April 2021 and 2.4 µg/L in August 2023), MW23-01 (as well as field duplicate MW23-11) (max. 13 µg/L) in August 2023 and 0.57 µg/L in November 2023, MW23-02 (720 µg/L in September 2023, 1,400 µg/L in

November 2023, and 730 µg/L in January 2024), MW23-03 (9.6 µg/L), and MW23-04 (8.4 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);

- Concentrations of trichloroethylene in the groundwater samples collected from monitoring wells MW21-01 (100 µg/L), MW21-02 (160 µg/L), MW21-03 (2 µg/L in April 2021 and 0.72 in August 2023), MW23-01 (as well as field duplicate MW23-11) (110 µg/L) in August 2023 and 1.2 µg/L in November 2023, MW23-02 (44 µg/L in September 2023, 120 µg/L in November 2023, and 51 µg/L in January 2024), MW23-03 (23 µg/L), and MW23-04 (0.65 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of vinyl chloride in the groundwater samples collected from monitoring wells MW21-01 (7 µg/L), MW21-02 (31 µg/L), MW23-01 (as well as field duplicate MW23-11) (100 µg/L) in August 2023 and 7.3 µg/L in November 2023, MW23-02 (0.96 µg/L in September 2023, 4.0 µg/L in November 2023, and 3.2 µg/L in January 2024), and MW23-03 (88 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of PHC F1 in the groundwater samples collected from monitoring wells MW23-02 (as well as field duplicate MW23-20) (max. 540 µg/L) in August 2023 as well as November 2023 (480 µg/L) exceeded the applicable MECP Table 7 standard (420 µg/L); and
- Concentrations of PHC F2 (370 µg/L) and PHC F3 (750 µg/L) in the groundwater sample collected from monitoring well MW21-02 exceeded the applicable MECP Table 7 standards (150 µg/L and 500 µg/L, respectively).

Based on the exceedances of the MECP Table 7 SCS the Phase Two ESA concluded that a Risk Assessment was required at the Site in order to obtain a Record of Site Condition. Furthermore, with regards to the management of impacted soil during construction, any excess soils generated during the re-development of the Site must be managed in accordance with O. Reg. 406/19 (as amended).

2.2.3 Risk Assessment Pre-Submission Form (Englobe, March 2024)

Based on the findings of the Phase One and Two ESAs Englobe prepared and submitted a Risk Assessment Pre-Submission Form (PSF) to the MECP on March 14, 2024. The Risk Assessment PSF identified the following contaminants of concern (COCs) in soil and groundwater at the Site as potentially requiring risk management measures to be instituted at the Site due to exceedances of the MECP Table 7 SCS:

- **Soil COCs**
    - Barium, Lead, Anthracene, Benz[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Dibenz[a,h]anthracene, Fluoranthene, Indeno[1,2,3-cd]pyrene, PHC F4
- **Groundwater COCs**
    - 1,1-Dichloroethylene, cis-1,2-Dichloroethylene, trans-1,2-Dichloroethylene, Tetrachloroethylene, Trichloroethylene, Vinyl Chloride, PHC F1, PHC F2, and PHC F3.

Upon review, the MECP provided comments on the PSF to be addressed in the first Risk Assessment Submission which is currently being drafted. The comments from the MECP included multiple requests for better horizontal and vertical delineation of soil and groundwater exceedances of the MECP Table 7 SCS, and clarification of the groundwater flow direction, be conducted before submission of the Risk

Assessment. On this basis Englobe conducted additional sub-surface investigations at the Site as described in the Sections below.

3 Scope of the Investigation

3.1 Overview of the Site Investigation

Based on comments received from the MECP in response to the Risk Assessment PSF and the requirements of the Off-Site Management Agreement with the City of Ottawa the following scope of work in order to investigate and further delineate the subsurface conditions at the Site in 2025.

Summary of Scope of Work

Date	Scope of Investigation	Scope of Soil Analysis*	Scope of Ground Water Analysis*	Scope of Measurements and Surveying
March 26, 2025 - April 23 2025	• 5 Boreholes with all of them instrumented with monitoring wells and 3 locations being instrumented with nested wells (one shallow, one deep) for a total of 8 wells • Development of all monitoring wells	• 5 metals including HFMs (As, Sb, Se, Cr) and ORPs analyses + 1 duplicate of each parameter. • 5 PAHs analyses + 1 duplicates of each parameter. • 5 PHC and VOCs (including BTEX) analyses + 1 duplicates of each parameter. • 5 pH analyses + 1 duplicate.	• 5 metals including HFMs (As, Sb, Se, Cr) and ORPs analyses + 1 duplicate of each parameter. • 8 PHC analyses + 1 duplicate of each parameter. • 8 VOC (including BTEX) analyses + 1 duplicate of each parameter + 1 Trip Blank for VOCs • 5 PAH analyses + 1 duplicate of each parameter	• Survey of all boreholes and monitoring wells to a geodetic benchmark • Measurement of all groundwater elevations to determine groundwater elevation and flow direction.

*Note: PHC - petroleum hydrocarbons
VOC - volatile organic compounds
ORP - Other Regulated Parameters
HFM - Hydride Forming Metals
PAH - Polycyclic Aromatic Hydrocarbon
PCB - Polychlorinated Biphenyl

Based on the scope of work presented above the following monitoring wells were drilled and installed March 26 and March 28, 2025.

Date of Drilling	March 26 to March 28, 2025
Borehole	MW25-1A, MW25-1B, MW25-2A, MW25-2B, MW25-3, MW25-4A, MW25-4B, MW25-5
Equipment Used	- Track Mount Drilling Rig

	- Air Rotary - 5 foot soil sampling sleaves
Decontamination Measures	A new soil sampling sleave was used for each soil sample to minimize potential cross-contamination
Sample Frequency	Please refer to the borehole logs in Appendix C for recovered soil samples
Groundwater Sample Frequency	Groundwater was sampled after completion of the Boreholes and installation of Monitoring wells on April 17, 2025
Well Construction	The wells were constructed of 50-mm (2-in) ID PVC screens and risers. Filter sand was placed around the well screen to approximately 0.6 m above the top of the screen. The wells were then backfilled with bentonite to approximately 0.3 mbgs. The wells were finished with flush mount caps. Well depths and elevations are presented in the Borehole Logs (Appendix C)
Groundwater Elevations	Groundwater elevations are presented in the Table presented in Section 4.2 of this Report.

4 Review and Evaluation

4.1 Geology

Based on the soil data collected during the advancement of the boreholes, the general soil stratigraphy at the Site is characterized as a thin layer of fill material, mainly consisting of silty sand with trace to some gravel (0.1 to 0.5 m thick), occasionally followed by a layer of sandy silt (0.5 to 0.7 m thick) or glacial till (0.5 m thick), underlain by limestone bedrock (encountered between 0.7 to 1.8 m bgs)

The borehole logs are provided Appendix C.

4.2 Groundwater: Elevations and Flow Direction

Englobe field personnel collected groundwater level measurements from the installed monitoring wells on multiple occasions between 2021 and 2025. The groundwater levels are provided in the Table below.

Sample Location	Elevation at ground surface (masl)	Measurement Date (dd/mm/yyyy)	Groundwater Depth (m bgs)	Groundwater Elevation (masl)
MW21-01	75.423	22/04/2021	10.92	64.50
		29/04/2021	6.46	68.96
		05/10/2023	6.07	69.35
MW21-02	75.457	29/04/2021	6.80	68.66
		08/15/2023	5.65	69.81
		05/10/2023	6.68	68.78
MW21-03	75.416	22/04/2021	10.83	64.59
		29/04/2021	6.92	68.50
		15/08/2023	6.71	68.71
MW23-01	75.268	14/08/2023	5.89	69.38
		28/08/2023	7.00	68.27
		05/10/2023	6.47	66.80
		28/11/2023	13.57	61.70
		07/04/2025	11.95	63.32
		09/04/2025	12.55	62.72
MW23-02	73.571	14/08/2023	3.90	69.67
		28/08/2023	4.60	68.97
		13/09/2023	3.90	69.67
		28/11/2023	4.83	68.74
		25/01/2024	3.9	69.67
MW23-03	75.923	14/08/2023	6.20	69.72
		28/08/2023	6.89	69.03
MW23-04	75.752	14/08/2023	5.90	69.85
		05/10/2023	6.79	68.96
		07/04/2025	5.52	70.23
		09/04/2025	5.62	70.13

Sample Location	Elevation at ground surface (masl)	Measurement Date (dd/mm/yyyy)	Groundwater Depth (m bgs)	Groundwater Elevation (masl)
MW24-1	75.376	01/24/2024	11.44	63.94
		01/25/2024	11.33	64.05
		07/04/2025	11.14	64.24
		09/04/2025	21.30	54.08
MW25-1A	74.922	28/03/2025	5.31	69.61
		01/04/2025	4.76	70.16
		07/04/2025	4.86	70.06
		09/04/2025	4.90	70.02
MW25-1B	74.912	28/03/2025	11.39	63.52
		01/04/2025	11.52	63.39
		07/04/2025	11.50	63.41
		09/04/2025	11.47	63.44
MW25-2A	75.942	28/03/2025	6.40	69.54
		01/04/2025	5.63	70.31
		07/04/2025	5.76	70.18
		09/04/2025	5.78	70.16
MW25-2B	75.903	28/03/2025	7.10	68.80
		01/04/2025	6.85	69.05
		07/04/2025	6.28	69.62
		09/04/2025	5.84	70.06
MW25-3	75.154	28/03/2025	8.42	66.73
		01/04/2025	8.60	66.55
		07/04/2025	12.62	62.53
		09/04/2025	13.53	61.62
MW25-4A	75.322	28/03/2025	5.97	69.35
		01/04/2025	5.45	69.87
		07/04/2025	5.46	69.86
		09/04/2025	5.40	69.92
MW25-4B	75.357	28/03/2025	13.59	61.77
		01/04/2025	13.62	61.74
		07/04/2025	13.66	61.70
		09/04/2025	14.00	61.36
MW25-5	75.53	28/03/2025	6.16	69.38
		01/04/2025	5.58	69.96
		07/04/2025	5.60	69.94
		09/04/2025	5.60	69.94

Based on measured groundwater elevation data, The QP is of the opinion that the groundwater conditions observed on April 29, 2021, October 5, 2023, and March 28, 2025 are the most representative of the stabilized groundwater elevations at the Site accounting for temporal and seasonal variation across multiple years. Based on the stabilized groundwater elevations observed on these dates the flow direction of the shallow aquifer on the Site is toward the south-southwest. Groundwater flow direction contour figures are attached as Figure 3A, 3B, and 3C in Appendix A for the abovementioned dates respectively.

4.3 PCA and APEC Re-Evaluation

Based on the measured groundwater flow direction, the underlying assumptions of the Phase One ESA (Englobe 2023) and the Phase Two ESA (Englobe 2024) have been revised and as such the PCAs potentially affecting the Site and the APECs present on the Site have been changed. The revised PCAs and APECs for the Site are presented in the Tables below and illustrated on Figures 4A, 4B and 5 in Appendix A. Based on these revisions the Phase One ESA, Phase Two ESA and the Phase Two Conceptual Site Model (CSM) for the Site will be updated to support the forthcoming Risk Assessment Submission.

PCAs Potentially Affecting the Site

Location of PCA	Potentially Contaminating Activity	On-Site or Off-Site
424 Churchill Avenue North	PCA 37: Operation of Dry Cleaning Equipment (where chemicals are used)	On-Site
424 Churchill Avenue North	PCA Others 1: De-icing Activities	On-Site
412-414 Churchill Avenue North 35m North of Site	PCA 31: Ink Manufacturing, processing and bulk Storage	Off-Site
	PCA 33: Metal Treatment, coating, plating and finishing	
408 Churchill Avenue North 40m North of Site	PCA 28: Gasoline and associated products storage in fixed tanks	Off-Site
352 Richmond Road 50m North of Site	PCA 37: Operation of Dry Cleaning Equipment (where chemicals are used)	Off-Site
326 Richmond Road 82m Northeast of Site	PCA 31: Ink Manufacturing, processing and bulk Storage	Off-Site
337 Richmond Road 95m North of Site	PCA 10: Commercial Auto Body Shops	Off-Site
	PCA Other 2: Salt Storage	

Site APECs

APEC	Location of PCA	PCA	COPCs	Media Potentially Impacted
APEC 1: Southern portion of Site around Site building	On-Site Property	PCA 37: Operation of Dry Cleaning Equipment (where chemicals are used)	VOCs, PAHs, BTEX	Soil & Groundwater
APEC 2: Parking Lot area surrounding Site building	On-Site Property	PCA Others 1: De-icing Activities	Na+, Cl-, SAR, EC	Soil & Groundwater

APEC 3: Northern Property Boundary	412-414 Churchill Avenue North 35m North of Site	PCA 31: Ink Manufacturing, processing and bulk Storage	PHCs (F1-F4), VOCs, BTEX, PAH	Soil & Groundwater
		PCA 33: Metal Treatment, coating, plating and finishing	Metals, As, Sb, Se (Hydride Forming Metals), PHCs (F1-F4), VOCs, BTEX, PAH	
	408 Churchill Avenue North 40m North of Site	PCA 28: Gasoline and associated products storage in fixed tanks	Metals, As, Sb, Se (Hydride Forming Metals), PHCs (F1-F4), VOCs, BTEX, PAH	
	352 Richmond Road 50m North of Site	PCA 37: Operation of Dry Cleaning Equipment (where chemicals are used)	VOCs, PAHs, BTEX	
	326 Richmond Road 82m Northeast of Site	PCA 31: Ink Manufacturing, processing and bulk Storage	PHCs (F1-F4), VOCs, BTEX, PAH	
	337 Richmond Road 95m North of Site	PCA 10: Commercial Auto Body Shops	Metals, As, Sb, Se (Hydride Forming Metals), PHCs (F1-F4), VOCs, BTEX, PAH	
		PCA Other 2: Salt Storage	Na+, Cl-, SAR, EC	

4.4 2025 Soil Quality

Soil sample results from the 2024 Phase Two ESA conducted by Englobe were compared to the MECP Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (Residential/Parkland/Institutional Property Use, coarse textured soil as per "Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act", April 15, 2011. Based on the laboratory analytical results, concentrations of all analyzed parameters in the laboratory-submitted soil samples met the applicable MECP Table 7 SCS, with the exception of:

- Concentrations of PHC F4 gravimetric (6,100 µg/g) and barium (630 µg/g) at MW23-01 at a depth of 0.3 to 0.9 m bgs; and
- Concentrations of lead (200 µg/g), anthracene (1.2 µg/g), benzo(a)anthracene (3.5 µg/g), benzo(a)pyrene (3 µg/g), benzo(b/j) fluoranthene (4.3 µg/g), benzo(k)fluoranthene (1.7 µg/g), dibenzo(a,h)anthracene (0.54 µg/g), fluoranthene (8.6 µg/g), and indeno(1,2,3-cd)pyrene (2 µg/g) at MW23-04 at a depth of 0 to 0.3 m bgs.

Analytical results of the soil samples submitted for laboratory analysis from the March 2025 sub-surface investigation were compared against the applicable MECP Table 7 standards for Residential/Parkland/Institutional Property Use.

Based on the laboratory analytical results, concentrations of all analyzed parameters (PHCs F1 - F4 , VOCs, Metals, As, Se, Sb, and PAHs) in the laboratory-submitted soil samples met the applicable MECP Table 7 SCS, with the exception of:

- Conductivity (0.84 mS/cm) at MW25-03 at a depth of 0.1 to 0.75 mbgs;
- Sodium Absorption Ratio (SAR) at MW25-01A at a depth of 0.1 to 0.75 mbgs;
- Concentrations of Lead (260 µg/g) at MW25-03 at a depth of 0.1 to 0.75 mbgs;
- Concentrations of Lead (210 µg/g), Copper (1000 µg/g), and Zinc at MW25-05 at a depth of 0.1 to 0.6 mbgs;
- benzo(a)anthracene (0.92 µg/g), benzo(a)pyrene (0.85 µg/g), benzo(b/j) fluoranthene (1.2 µg/g), dibenzo(a,h)anthracene (0.17 µg/g), fluoranthene (2 µg/g), and indeno(1,2,3-cd)pyrene (0.72 µg/g) at MW25-02A at a depth of 0 to 0.75 mbgs.

Concentrations of all other analyzed parameters in soil were below the MECP Table 7 SCS.

Please refer to Table 1 in Appendix B for a summary of the soil analytical results, their location and depth, and its comparison to the SCS. A copy of the laboratory certificates of analysis are provided in Appendix D.

4.4.1 Soil Impact Delineation

Based on the soil data obtained from the Site between April 2021 and March 2025 the exceedances of the MECP Table 7 SCS have been delineated as described below. Lateral delineation of soil impacts is illustrated in Figures 6, 7, 8, and 9 in Appendix A:

- Metals and Inorganics I, Barium at MW23-01 (0.3-0.9 mbgs), Copper and Zinc at MW25-5 (0.4-0.6 mbgs, and Lead at MW25-5 (0.4-0.6 mbgs), MW25-3 (0.03-0.4 mbgs), and MW23-04 (0-0.4 mbgs):
    - These exceedances of the MECP Table 7 SCS in soil at the Site were all observed in the fill material on Site which ranges from 0 to 1.7 mbgs or bedrock. These impacts are vertically delineated by bedrock. Though some soil samples at the Site meet the MECP Table 7 SCS, it is assumed that all the fill material across the Site is impacted. The proposed development at the Site, which includes a 58 unit mid-rise apartment building with a 3-level underground parking garage covering a majority of the Site, will result in the removal of all fill material and bedrock from the Site from property line to property line. As such, all exceedances of metals and inorganic of the Table 7 SCS will be removed from the Site to facilitate the proposed development.
- Petroleum Hydrocarbons (PHCs) F4 (Gravimetric) at MW23-01 (0.3-0.9 mbgs):
    - Lateral delineation was achieved by MW21-01, MW25-1A, MW21-02, and MW23-04.
    - Vertical delineation was achieved by Bedrock ranging from 0.7-1.8 mbgs across the Site.
- Polycyclic Aromatic Hydrocarbons (PAHs):
    - Lateral delineation was achieved by MW23-01, MW25-1A, MW23-03, and the southern property boundary

- Vertical delineation was achieved by Bedrock ranging from 0.7-1.8 mbgs across the Site.

These exceedances of the MECP Table 7 SCS in soil at the Site were all observed in the fill material on Site which ranges from 0 to 1.7 mbgs or bedrock. These impacts are vertically delineated by bedrock. Though some soil samples at the Site meet the MECP Table 7 SCS, it is assumed that all the fill material across the Site is impacted. The proposed development at the Site, which includes a 58 unit mid-rise apartment building with a 3-level underground parking garage covering a majority of the Site, will result in the removal of all fill material and bedrock from the Site from property line to property line. As such, all exceedances of the Table 7 SCS will be removed from the Site to facilitate the proposed development.

4.5 2025 Groundwater Quality

Groundwater sample results from the 2024 Phase Two ESA conducted by Englobe were compared to the MECP Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition (All Types of Property Use, medium-fine textured soils) as per “Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act", April 2011. Based on the laboratory analytical results, the following exceedances of the applicable MECP Table 7 were detected in the groundwater samples collected:

- Concentrations of 1,1- dichloroethylene in the groundwater sample collected from monitoring well MW21-02 (0.66 µg/L), MW23-01 (as well as field duplicate MW23-11) (1.2 µg/L), and MW23-03 (2 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of 1,2-dichloroethylene (cis) in the groundwater samples collected from monitoring wells MW21-01 (220 µg/L), MW21-02 (860 µg/L), MW23-01 (as well as field duplicate MW23-11) (max. 630 µg/L in August 2023 and 40 µg/L in November 2023), MW23-02 (16 µg/L in September 2023, 33 µg/L in November 2023, and 27 µg/L in January 2024), and MW23-03 (940 µg/L) exceeded the applicable MECP Table 7 standard (1.6 µg/L);
- Concentrations of 1,2-dichloroethylene (trans) in the groundwater samples collected from monitoring wells MW21-01 (3.7 µg/L), MW21-02 (12 µg/L), MW23-01 (as well as field duplicate MW23-11) (max. 4.7 µg/L), MW23-02 (1.7 µg/L), and MW23-03 (14 µg/L) exceeded the applicable MECP Table 7 standard (1.6 µg/L);
- Concentrations of tetrachloroethylene in the groundwater samples collected from monitoring wells MW21-01 (930 µg/L), MW21-02 (890 µg/L), MW21-03 (32 µg/L in April 2021 and 2.4 µg/L in August 2023), MW23-01 (as well as field duplicate MW23-11) (max. 13 µg/L) in August 2023 and 0.57 µg/L in November 2023, MW23-02 (720 µg/L in September 2023, 1,400 µg/L in November 2023, and 730 µg/L in January 2024), MW23-03 (9.6 µg/L), and MW23-04 (8.4 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of trichloroethylene in the groundwater samples collected from monitoring wells MW21-01 (100 µg/L), MW21-02 (160 µg/L), MW21-03 (2 µg/L in April 2021 and 0.72 in August 2023), MW23-01 (as well as field duplicate MW23-11) (110 µg/L) in August 2023 and 1.2 µg/L in November 2023, MW23-02 (44 µg/L in September 2023, 120 µg/L in November 2023, and 51 µg/L in January 2024), MW23-03 (23 µg/L), and MW23-04 (0.65 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);

- Concentrations of vinyl chloride in the groundwater samples collected from monitoring wells MW21-01 (7 µg/L), MW21-02 (31 µg/L), MW23-01 (as well as field duplicate MW23-11) (100 µg/L) in August 2023 and 7.3 µg/L in November 2023, MW23-02 (0.96 µg/L in September 2023, 4.0 µg/L in November 2023, and 3.2 µg/L in January 2024), and MW23-03 (88 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of PHC F1 in the groundwater samples collected from monitoring wells MW23-02 (as well as field duplicate MW23-20) (max. 540 µg/L) in August 2023 as well as November 2023 (480 µg/L) exceeded the applicable MECP Table 7 standard (420 µg/L); and
- Concentrations of PHC F2 (370 µg/L) and PHC F3 (750 µg/L) in the groundwater sample collected from monitoring well MW21-02 exceeded the applicable MECP Table 7 standards (150 µg/L and 500 µg/L, respectively).

Analytical results of the groundwater samples for the April 2025 sub-surface investigation submitted for laboratory analysis were compared against the applicable MECP Table 7 standards for All Types of Property Use.

Based on the laboratory analytical results, the following exceedances of the applicable MECP Table 7 were detected in the groundwater samples collected:

- Concentrations of Chloride in the groundwater samples collected from monitoring wells MW25-1A (2,700,000 µg/L) , MW25-2A (2,800,000 µg/L) [as well as field duplicate DUP 250416 (2,800,000 µg/L) (duplicate of MW25-2A)], and MW25-5 (2,000,000 µg/L) exceeded the applicable MECP Table 7 standard (1,800,000 µg/L);
- Concentrations of 1,1-Dichloroethylene in the groundwater samples collected from monitoring wells MW25-1A (0.61 µg/L), and MW25-5 (0.62 µg/L), exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of cis-1,2-Dichloroethylene in the groundwater samples collected from monitoring wells MW25-1A (300 µg/L), MW25-1B (50 µg/L), MW25-2A (11 µg/L) [as well as field duplicate DUP 250416 (11 µg/L) (duplicate of MW25-2A)], MW25-2B (5.4 µg/L), MW25-4A (210 µg/L), MW25-4B (24 µg/L), and MW25-5 (390 µg/L) exceeded the applicable MECP Table 7 standard (1.6 µg/L);
- Concentrations of trans-1,2-Dichloroethylene in the groundwater samples collected from monitoring wells MW25-1A (4.5 µg/L), and MW25-5 (8.4 µg/L) exceeded the applicable MECP Table 7 standard (1.6 µg/L);
- Concentrations of Tetrachloroethylene in the groundwater samples collected from monitoring wells MW25-1A (120 µg/L), MW25-1B (2.2 µg/L), MW25-2A (39 µg/L) [as well as field duplicate DUP 250416 (31 µg/L) (duplicate of MW25-2A)], MW25-2B (17 µg/L), and MW25-5 (1.1 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);;
- Concentrations of Trichloroethylene in the groundwater samples collected from monitoring wells MW25-1A (98 µg/L), MW25-1B (4.9 µg/L), MW25-2A (25 µg/L) [as well as field duplicate DUP 250416 (23 µg/L) (duplicate of MW25-2A)], MW25-2B (5.3 µg/L), MW25-4A (0.51 µg/L), and MW25-5 (5.7 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);
- Concentrations of Vinyl Chloride in the groundwater samples collected from monitoring wells MW25-1A (41 µg/L), MW25-1B (0.7 µg/L), MW25-4A (60 µg/L), MW25-4B (5 µg/L), and MW25-5 (95 µg/L) exceeded the applicable MECP Table 7 standard (0.5 µg/L);

– Concentrations of Benzene in the groundwater samples collected from MW25-4A (0.91 µg/L) and MW25-4B (0.65 µg/L) exceeded the applicable MECP Table 7 Standard (0.5).

Concentrations of all other analyzed parameters in groundwater were below the MECP Table 7 SCS.

Refer to Table 2 in Appendix B for a summary of the groundwater analytical results and their comparison to SCS. A copy of the laboratory certificates of analysis are provided in Appendix D.

No visual evidence of free-product was observed during any other groundwater purging or sampling activities. No sheen or free-phase light or dense non-aqueous phase liquids were noted during drilling or groundwater sampling activities.

4.5.1 Groundwater Impact Delineation

Based on the groundwater data obtained from the Site between April 2021 and March 2025 the exceedances of the MECP Table 7 SCS have been delineated as described below. Lateral delineation of groundwater impacts is illustrated in Figures 10, 11, 12, and 13 in Appendix A:

- Petroleum Hydrocarbons (PHCs), PHC F1 at MW23-02:
    - Lateral delineation was achieved by MW25-2A, MW25-1A, MW23-01, and MW23-04,
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Petroleum Hydrocarbons (PHCs), PHC F2 and F3 at MW21-01:
    - Lateral delineation was achieved by MW25-4A, MW25-5, and MW23-01
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Benzene at MW25-4A and MW25-4B:
    - Lateral delineation was achieved by MW25-1A, MW21-01, and MW21-02
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Volatile Organic Compounds (VOCs)
    - VOC impacts have been vertically delineated by MW25-3 and MW24-1. Due to the groundwater impact observed in some of the monitoring wells located on the property boundaries the Risk Assessment will apply non-Standard delineation to address VOC impacts in groundwater at the Site.

5 Conclusions

Englobe conducted a Phase Two ESA at the property located at 424 Churchill Avenue in Ottawa, Ontario, in 2024 and a supplemental sub-surface investigation in 2025 to evaluate the environmental quality of soils and groundwater at the Site based upon the findings of the environmental investigations conducted at the Site the following conclusions are presented.

Multiple parameters of concern were observed to exceed the MECP Table 7 SCS in soil including;

- Concentrations of PHC F4 gravimetric (6,100 µg/g) and barium (630 µg/g) at MW23-01 at a depth of 0.3 to 0.9 m bgs; and
- Concentrations of lead (200 µg/g), anthracene (1.2 µg/g), benzo(a)anthracene (3.5 µg/g), benzo(a)pyrene (3 µg/g), benzo(b/j) fluoranthene (4.3 µg/g), benzo(k)fluoranthene (1.7 µg/g), dibenzo(a,h)anthracene (0.54 µg/g), fluoranthene (8.6 µg/g), and indeno(1,2,3-cd)pyrene (2 µg/g) at MW23-04 at a depth of 0 to 0.3 m bgs.
- Concentrations of Lead (260 µg/g) at MW25-03 at a depth of 0.1 to 0.75 m bgs;
- Concentrations of Lead (210 µg/g), Copper (1000 µg/g), and Zinc at MW25-05 at a depth of 0.1 to 0.6 m bgs;
- benzo(a)anthracene (0.92 µg/g), benzo(a)pyrene (0.85 µg/g), benzo(b/j) fluoranthene (1.2 µg/g), dibenzo(a,h)anthracene (0.17 µg/g), fluoranthene (2 µg/g), and indeno(1,2,3-cd)pyrene (0.72 µg/g) at MW25-02A at a depth of 0 to 0.75 m bgs.

These exceedances of the MECP Table 7 SCS in soil at the Site were all observed in the fill material on Site which ranges from 0 to 1.7 mbgs or bedrock. These impacts are vertically delineated by bedrock. Though some soil samples at the Site meet the MECP Table 7 SCS, it is assumed that all the fill material across the Site is impacted. The proposed development at the Site, which includes a 58 unit mid-rise apartment building with a 3-level underground parking garage covering a majority of the Site, will result in the removal of all fill material and bedrock from the Site from property line to property line. As such, all exceedances of the Table 7 SCS will be removed from the Site to facilitate the proposed development.

Based on measured groundwater elevation data, The QP is of the opinion that the groundwater conditions observed on April 29, 2021, October 5, 2023, and March 28, 2025 are the most representative of the stabilized groundwater elevations at the Site accounting for temporal and seasonal variation across multiple years. Based on the stabilized groundwater elevations observed on these dates the groundwater direction is toward the south-southwest. As a result of the groundwater flow direction the PCAs and the APECs present on the Site have been changed as illustrated in Figures 4A, 4B and 5. Based on the re-evaluation of PCAs and APECs the QP is of the opinion that groundwater impacts on the Site are a result of a combination of an On-Site source (former dry cleaner) and Off-Site sources present upgradient of the Site.

The results of the environmental investigations indicated exceedances of the MECP Table 7 SCS for multiple parameters of concern in groundwater including;

- Petroleum Hydrocarbons (PHCs), PHC F1 at MW23-02:
    - Lateral delineation was achieved by MW25-2A, MW25-1A, MW23-01, and MW23-04,

    - Vertical delineation was achieved by MW25-3 and MW24-1
- Petroleum Hydrocarbons (PHCs), PHC F2 and F3 at MW21-01:
    - Lateral delineation was achieved by MW25-4A, MW25-5, and MW23-01
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Benzene at MW25-4A and MW25-4B:
    - Lateral delineation was achieved by MW25-1A, MW21-01, and MW21-02
    - Vertical delineation was achieved by MW25-3 and MW24-1
- Volatile Organic Compounds (VOCs)
    - VOC impacts have been vertically delineated by MW25-3 and MW24-1. Due to the groundwater impact observed in some of the monitoring wells located on the property boundaries the Risk Assessment will apply non-Standard delineation to address VOC impacts in groundwater at the Site.

Section 49.1 paragraph 1 of the regulation is being relied upon. Exceedances of the MECP Table 7 SCS of road salt related parameters including, Electrical Conductivity, and Sodium Absorption Ratio (SAR) in soil and Chloride and Sodium in groundwater. Paragraph 1 of Section 49.1 of O.Reg. 153/04 states that apparent exceedances of EC and SAR in soil and Chloride and Sodium in groundwater are deemed not to be exceedances if the Qualified Person attributes these results to the use of de-icing salt application to surfaces for the safety of vehicular and pedestrian traffic under conditions of snow and ice or both. A review of the analytical results indicated that elevated road-salt related parameters in soil and groundwater were associated with the locations of parking lots, sidewalks and roadways on adjacent property. As a result, the exceedances of EC and SAR in soil and Chloride and Sodium in groundwater are not considered contaminants of Concern at the Property.

A Risk Assessment under the Regulation O.Reg 153/04 is currently underway to quantify potential risks to human and ecological health at the Site for future uses based on the presence of exceedances of the MECP Table 7 SCS in soil and groundwater at the Site. The Risk Assessment will propose the following engineered Risk Management Measures (RMMs) to be implemented as part of the proposed development for the protection of human and ecological receptors expected to be present at the Site post-development;

- Construction of a 2-level underground parking structure/storage garage under the building at the Site. The proposed building will cover the majority of the Site and the underground parking structure/storage garage will cover the entire building area at grade.
- Construction of a Vapour Mitigation System (VMS) comprised of a sub-slab vapour barrier and venting system beneath the entire foundation slab for the building to be constructed on the Site
- Construction of surface barrier systems for portion of the Site not covered by the building to mitigate potential health risks as a result of exposure to COCs in soil through direct contact pathways. The RMM will consist of:
    - Hard cap surface barrier systems such as pavements and asphalt
    - Fill cap barrier systems such as soil, granular fill, or topsoil or a combination for use in vegetated and landscaped areas.

Additionally, to address the hydrogeological requirements of the development the building foundation walls and base will be waterproofed.

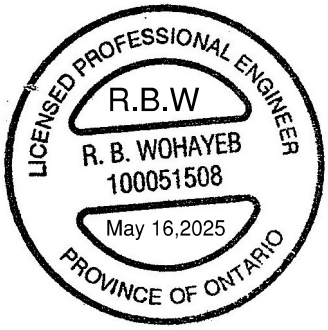
6 Closure

We trust that the information enclosed is sufficient to address the purposes of this letter report, should you have any questions or inquiries please do not hesitate to contact the undersigned.

Kind Regards,

Englobe Corp.

Michael Hozjan, M.EnvSc..
Environmental Risk Assessor



Baker Wohayeb, M.A.Sc., P. Eng., QP ESA-RA
Director, Environmental Services

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Appendix A
Figures

ENGLOBE

Note

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

Revision	Date	Issue	Approval
C	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: Site Location Map

Designed By: A.G.	Date: May 2025
Drawn By: K.M.	Project No.: 02103035.000
Approved By:	Figure No.: 1
Scale: As shown	

Drawing: 1 site location.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Thursday, May 08, 2025 @ 15:47 by Kris Morin

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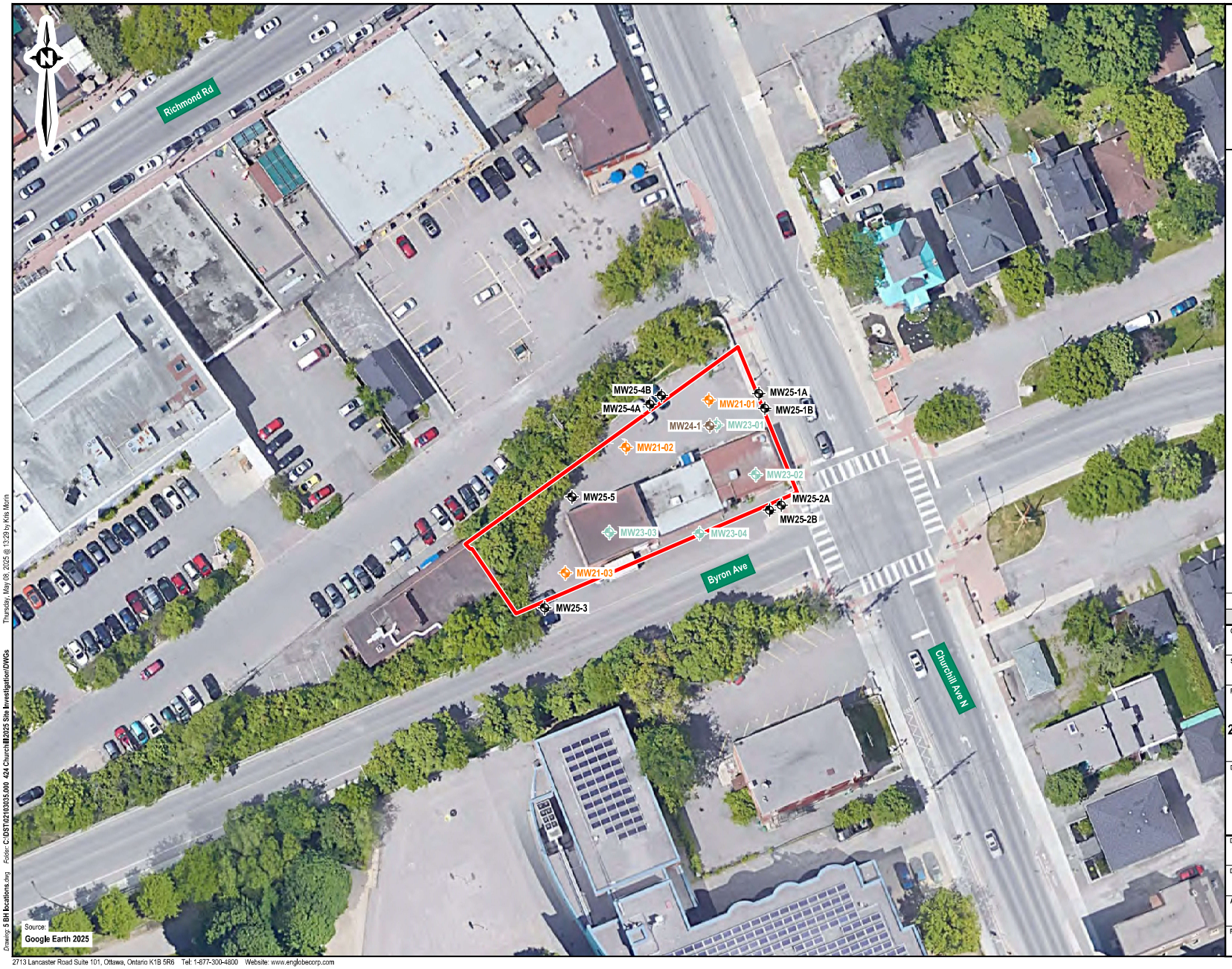

ENGLOBE

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Location of Monitoring Well (Englobe, 2021)
- Location of Monitoring Well (Englobe, 2023)
- Location of Deep Monitoring Well (Englobe, 2024)
- Location of Monitoring Well (Englobe, 2025)

1:600

0 10 20 30 m

0 1:1 5 cm

Scale accurate when printed at 100% using paper size ANSI full bleed B (11,0 x 17,0 inches)

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: Cross Section Locations

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No.: 2

Drawing: 5 BH locations.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Thursday, May 08, 2025 @ 13:29 by Kris Morin

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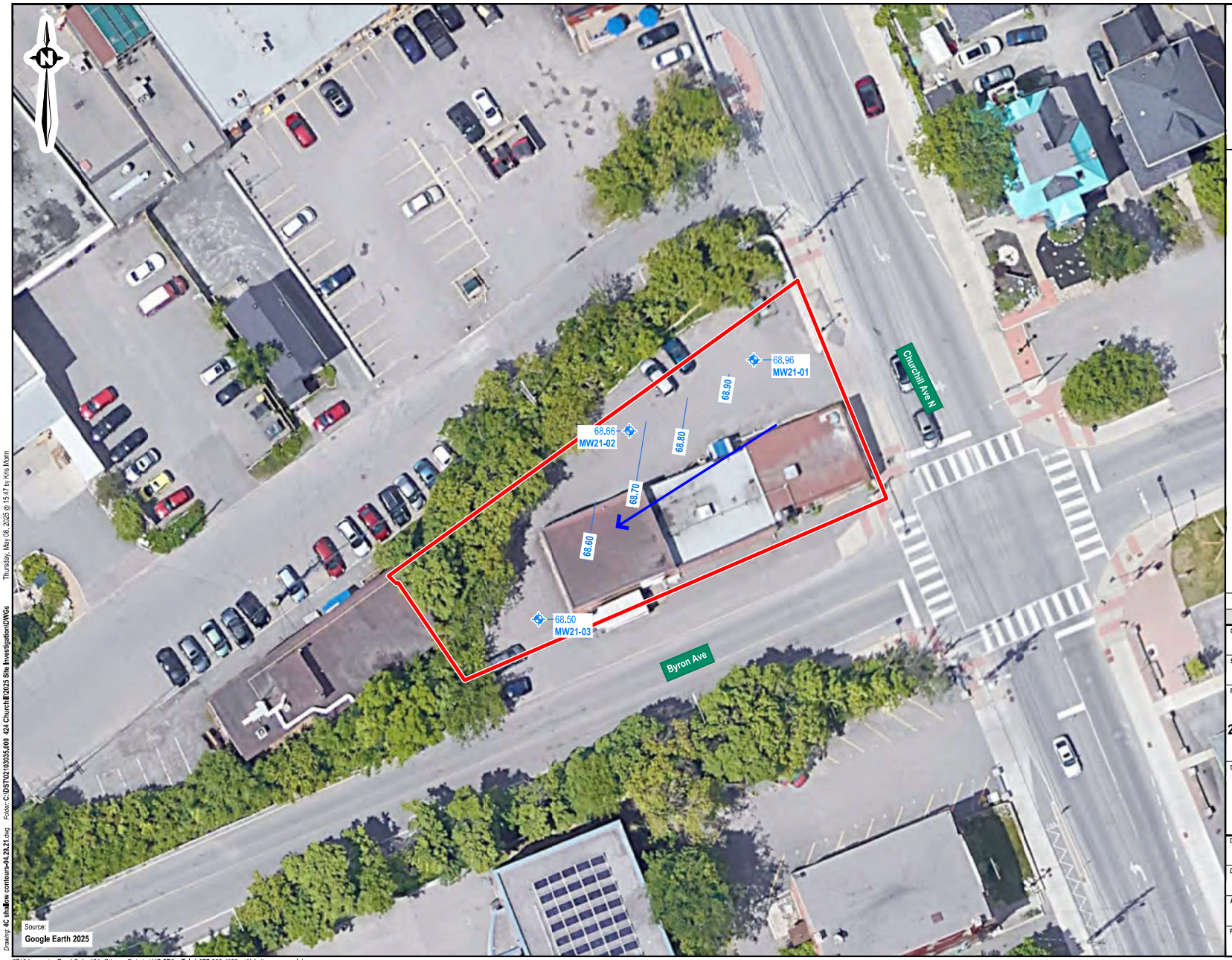

ENGLOBE

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Approximate Location of Monitoring Well
- 69.88 Measured Groundwater Elevation (masl) (April 29, 2021)
- Groundwater Contour (masl) (April 29, 2021)
- Interpreted Groundwater Flow Direction (April 29, 2021)

1:400

0 4 8 12 16 20 m

0 1:1 5 cm

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

Revision	Date	Issue	Approval
C	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: Shallow Aquifer Groundwater Contours and Interpreted Flow Direction - April 29, 2021

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No.: 3A

Drawing: 4C shallow contours-04.29.21.dwg Folder: C:\GIS\T\02103035.000 424 Churchill\2025 Site Investigation\IWCs Thursday, May 08, 2025 @ 15:47 by Kris Morin

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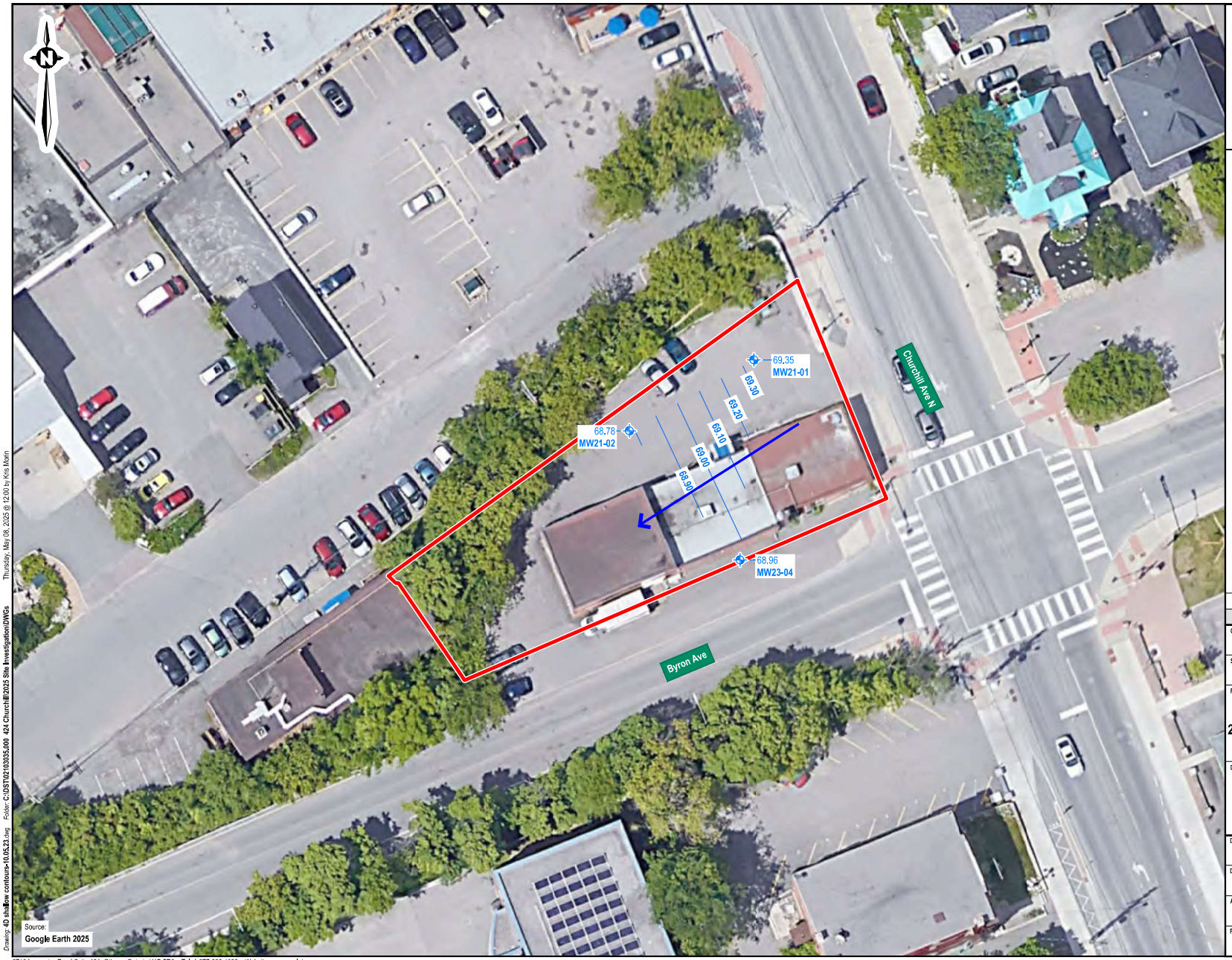

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Approximate Location of Monitoring Well
- 69.88 Measured Groundwater Elevation (masl) (October 5, 2023)
- Groundwater Contour (masl) (October 5, 2023)
- Interpreted Groundwater Flow Direction (October 5, 2023)

1:400

0 4 8 12 16 20 m

1:1 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: Shallow Aquifer Groundwater Contours and Interpreted Flow Direction - October 5, 2023

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No.: 3B

Drawing: 4D shallow contours-10.05.23.dwg Folder: C:\GIS\02103035.000 424 Churchill\2025 Site Investigation\IWCs Thursday, May 08, 2025 @ 12:00 by Kris Morin

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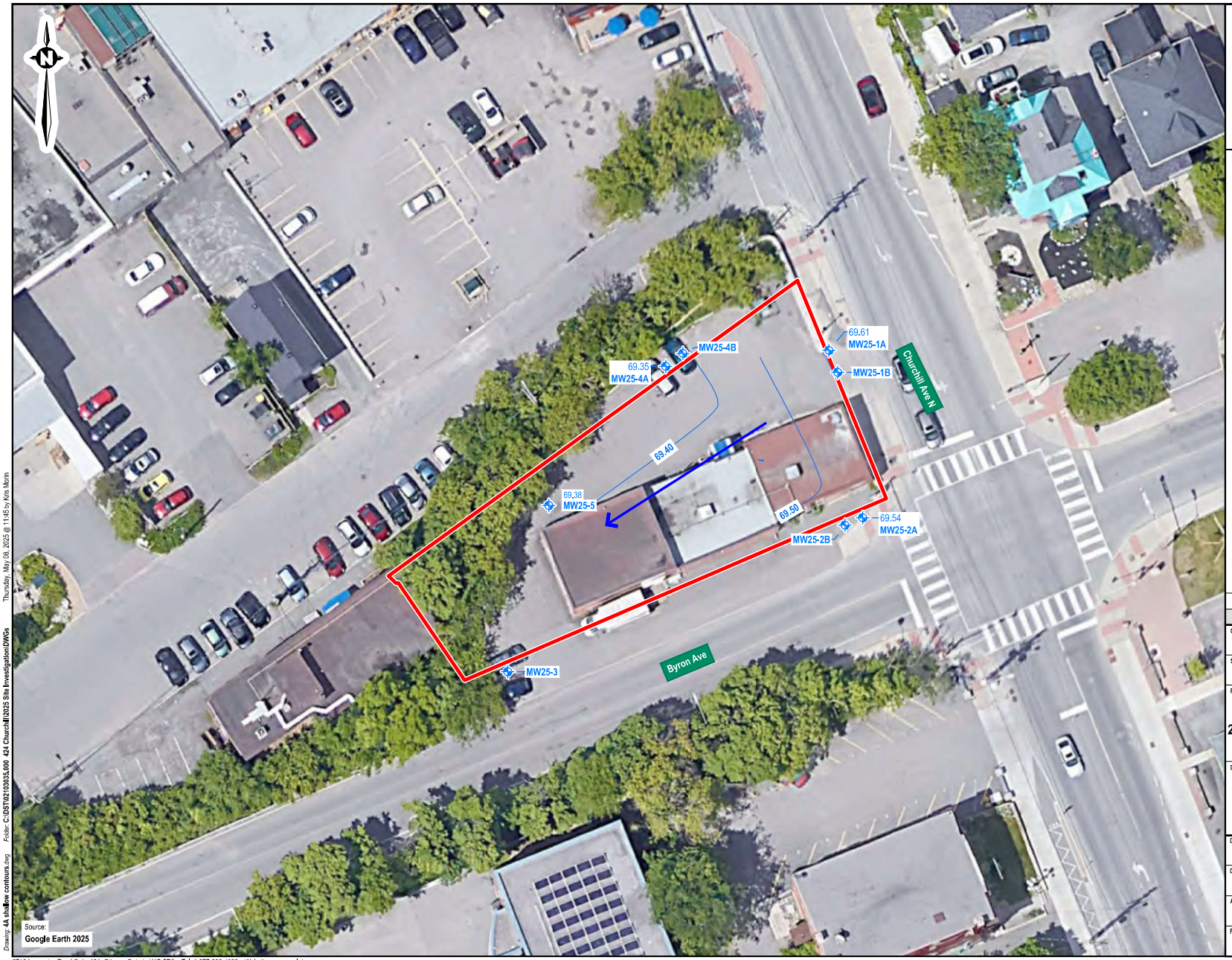

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Approximate Location of Monitoring Well
- 69.88 Measured Groundwater Elevation (masl) (March 2025)
- Groundwater Contour (masl) (March 2025)
- Interpreted Groundwater Flow Direction (March 2025)

1:400

0 4 8 12 16 20 m

1:1

0 5 cm

Scale accurate when printed at 100% using paper size ANSI full bleed B (11,0 x 17,0 inches)

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: **Churchill Properties Inc.**

Site: **424 Churchill Avenue North, Ottawa, ON**

Report Title: **2025 Supplemental Environmental Site Investigation**

Drawing Title: **Shallow Aquifer Groundwater Contours and Interpreted Flow Direction - March 28, 2025**

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No.: **3C**

Drawing: 4A shallow contours.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Thursday, May 08, 2025 @ 11:45 by Kris Morin

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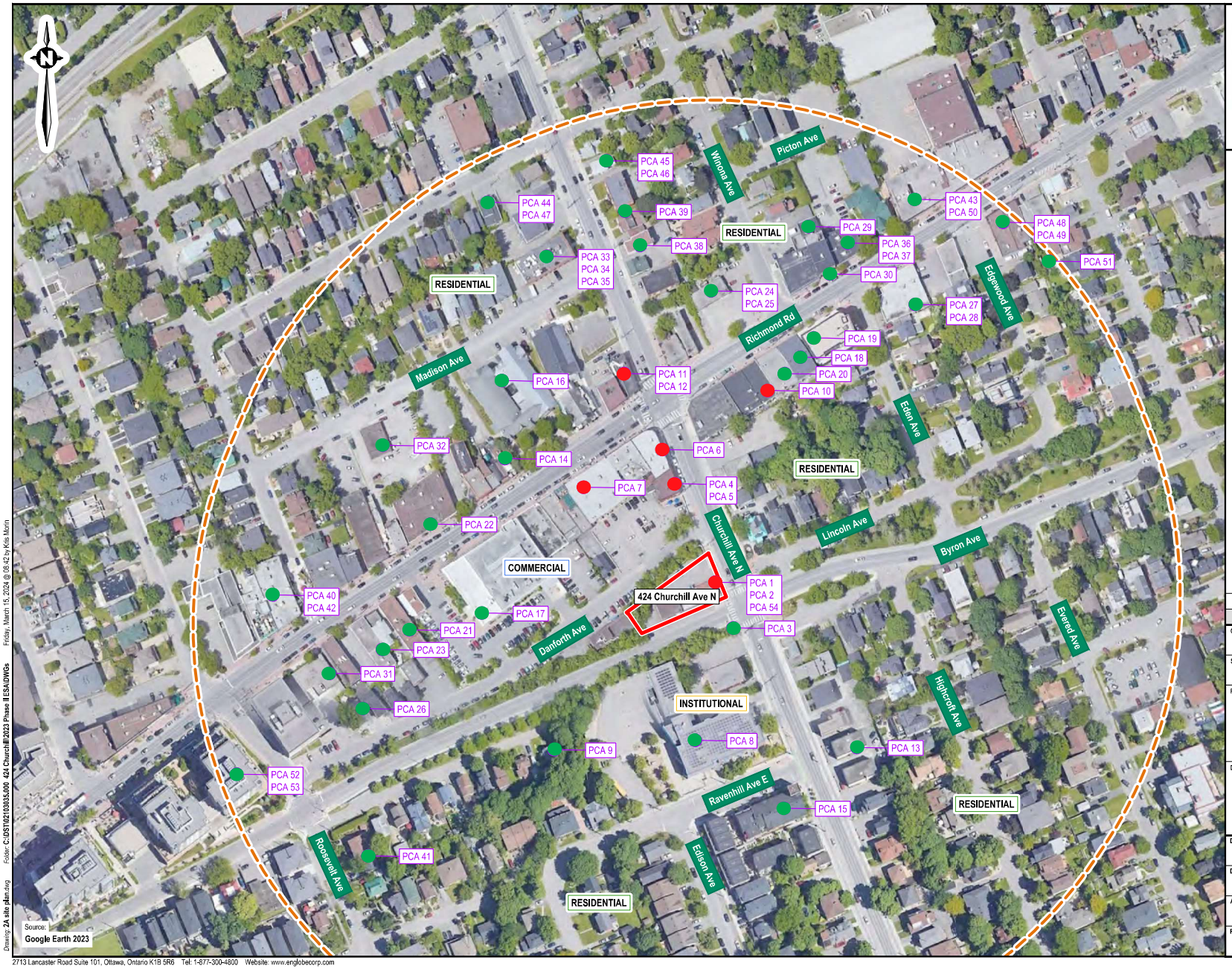

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Refer to Fig. 2B for PCA details.

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Phase One Study Area
- PCA — Potentially Contaminating Activity

1:2 000

0 20 40 60 80 100 m

1:1 0 5 cm

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

0	03/15/2024	Original	AN
Revision	Date	Issue	Approval

Client: **Churchill Properties Inc.**

Site: **424 Churchill Avenue North, Ottawa, ON**

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

Drawing Title: **Potentially Contaminating Activities (PCAs)**

Designed By	Scale
C.O.	As shown
Drawn By	**Date**
K.M.	March 2024
Approved By	**Project No.**
A.N.	02103035.000

Figure No. **4A**

Drawing: 2A site plan.dwg Folder: C:\DST\02103035.000 424 Churchill\2023 Phase II ESA\DWGs Friday, March 15, 2024 @ 08:42 by Kite Nunn

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PCA ID	O.Reg 153/04 PCA No.	PCA Property Address	Historical and/or Current Activities
PCA 1	37. - Operation of dry cleaning equipment (where chemicals are used)	424 Churchill Avenue North	Presence of laundromat and dry cleaning facility
PCA 2	Undefined PCA - Application of salt for de-icing purposes for the safety of vehicular or pedestrian traffic	424 Churchill Avenue North	Application of salt for de-icing purposes for the safety of vehicular or pedestrian traffic
PCA 3	46. - Rail yards, tracks and spurs	Byron Avenue	Historical presence of an electric rail line right of way
PCA 4	31. - Ink manufacturing, processing and bulk storage	412 Churchill Avenue North	Historical presence of commercial printers (Westboro Printers Ltd. from 1965 to 1996)
PCA 5	33. - Metal treatment, coating, plating and finishing	412 Churchill Avenue North	Historical presence of a plate making and engraver workshop (Albert & Son Engravers)
PCA 6	28. - Gasoline and associated products storage in fixed tanks	408 Churchill Avenue North	Record of 3000 Gallon fuel oil UST in 1958
PCA 7	37. - Operation of dry cleaning equipment (where chemicals are used)	354 Richmond Road	Historical presence of dry cleaner
PCA 8	28. - Gasoline and associated products storage in fixed tanks	345 Ravenhill Avenue	Record of 3000 Gallon bunker oil UST in 1951
PCA 9	Undefined PCA - Spill	518 Byron Avenue	Historic 400 L furnace oil spill
PCA 10	31. - Ink manufacturing, processing and bulk storage	322 Richmond Road	Valberg Imaging
PCA 11	10. - Commercial autobody shops	337 Richmond Road	Record of motor vehicle repair shops (Westboro Police Village) including record of heavy equipment storage
PCA 12	Undefined PCA - Salt storage	337 Richmond Road	Record of salt and sand storage
PCA 13	28. - Gasoline and associated products storage in fixed tanks	449 Churchill Avenue North	Record of historic fuel oil UST, previously leaking and removed in 1973
PCA 14	37. - Operation of dry cleaning equipment (where chemicals are used)	357 Richmond Road	Record of laundries and cleaners (superior services store)
PCA 15	28. - Gasoline and associated products storage in fixed tanks	450 Churchill Avenue North	Record of 3000 Gallon fuel oil UST in 1958
PCA 16	28. - Gasoline and associated products storage in fixed tanks	347 Richmond Road	Record of 1000 Gallon fuel oil AST in concrete bunker in 1953
PCA 17	28. - Gasoline and associated products storage in fixed tanks	372 Richmond Road	Historical presence of gasoline service station
PCA 18	37. - Operation of dry cleaning equipment (where chemicals are used)	312 Richmond Road	Record of laundries and cleaners (Corley Cleaners)
PCA 19	10. - Commercial autobody shops	300 Richmond Road	Historic records of auto body garages
PCA 20	54. - Textile manufacturing and processing	314 Richmond Road	Cut and sew clothing manufacturing
PCA 21	37. - Operation of dry cleaning equipment (where chemicals are used)	384 Richmond Road	Record of laundries and cleaners (Palmer Cleaners)
PCA 22	10. - Commercial autobody shops	371 Richmond Road	Record of motor vehicle repair shops (Westboro Motor Sales Ltd.)
PCA 23	Undefined PCA - Spill	388 Richmond Road	Historic records of fuel spills
PCA 24	28. - Gasoline and associated products storage in fixed tanks	319 Richmond Road	Historical presence of gasoline service station with USTs
PCA 25	10. - Commercial autobody shops	319 Richmond Road	Historical presence of general automotive repair shop in 2013 (Avenues Garage Ltd.)
PCA 26	Undefined PCA - Spill	389 Danforth Avenue	Historical record of fuel spill of unknown volume
PCA 27	28. - Gasoline and associated products storage in fixed tanks	298 Richmond Road	Two records of 2 fuel oil USTs
PCA 28	10. - Commercial autobody shops	298 Richmond Road	Record of motor vehicle repair shop
PCA 29	31. - Ink manufacturing, processing and bulk storage	383 Winona Avenue	Presence of commercial printing facility
PCA 30	31. - Ink manufacturing, processing and bulk storage	311 Richmond Road	Presence of commercial printing facility
PCA 31	10. - Commercial autobody shops	394 Richmond Road	Record of motor vehicle repair shop (Archie Macdonald Ltd. New and Used Cars)
PCA 32	10. - Commercial autobody shops	376 Madison Avenue	Record of motor vehicle repair shop (Lytle Roboring Services Ltd.)
PCA 33	28. - Gasoline and associated products storage in fixed tanks	376 Churchill Avenue North	Record of oil UST
PCA 34	31. - Ink manufacturing, processing and bulk storage	376 Churchill Avenue North	Records of publishing and commercial printing industries
PCA 35	Undefined PCA - Manufacturing	376 Churchill Avenue North	Record of industrial machinery manufacturing
PCA 36	28. - Gasoline and associated products storage in fixed tanks	307 Richmond Road	Record of fuel oil UST in 1963 and fuel oil AST in 1953
PCA 37	10. - Commercial autobody shops	307 Richmond Road	Record of motor vehicle repair shops (unnamed auto body repairs)
PCA 38	34. - Metal manufacturing	377 Churchill Avenue North	Record of jewelry and silverware manufacturing
PCA 39	54. - Textile manufacturing and processing	375 Churchill Avenue North	Presence of cut and sew clothing company
PCA 40	Undefined PCA - Manufacturing	393 Richmond Road	Wood counter manufacturing
PCA 41	10. - Commercial autobody shops	433 Roosevelt Avenue	Record of motor vehicle repair shop (The Registered Trimmer)
PCA 42	39. - Paints manufacturing, processing and bulk storage	397 Richmond Road	Record of paint storage (Stained Glass Stuff)
PCA 43	10. - Commercial autobody shops	277 Richmond Road	Record of motor vehicle repair shops (unnamed auto body repairs)
PCA 44	Undefined PCA - Spill	348 Whitby Avenue	Record of historic furnace oil spill of unknown quantity
PCA 45	31. - Ink manufacturing, processing and bulk storage	363 Churchill Avenue North	Record of combined publishing and printing (Saratime Publishings Inc.)
PCA 46	Undefined PCA - Spill	363 Churchill Avenue North	Record of historic 140 L hydraulic fluid spill
PCA 47	31. - Ink manufacturing, processing and bulk storage	364 Churchill Avenue North	Historic record of plate-making, typesetting and bindery industry operations (Metrotype Graphics Ltd.)
PCA 48	10. - Commercial autobody shops	276 Richmond Road	Unnamed gas and auto repair centre
PCA 49	37. - Operation of dry cleaning equipment (where chemicals are used)	282 Richmond Road	Record of laundries and cleaners (Sparkle Cleaners)
PCA 50	43. - Plastics (including Fibreglass) manufacturing and processing	290 Picton Avenue	Historic plastic product manufacturing
PCA 51	Undefined PCA - Spill	400 Athlone Avenue	Record of historic hydraulic fluid spill of unknown quantity
PCA 52	31. - Ink manufacturing, processing and bulk storage	416 Richmond Road	Historic commercial printing operations
PCA 53	28. - Gasoline and associated products storage in fixed tanks	416 Richmond Road	Historic record of UST

Note

1. This drawing shall be read in conjunction with the associated technical report.
2. Refer to Fig. 2A for PCA locations.

Revision	Date	Issue	Approval
C	05/08/2025	Preliminary	

Client: **Churchill Properties Inc.**

Site: **424 Churchill Avenue North, Ottawa, ON**

Report Title: **2025 Supplemental Environmental Site Investigation**

Drawing Title: **PCA Details**

Designed By: A.G.	Scale:
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No.: **4B**

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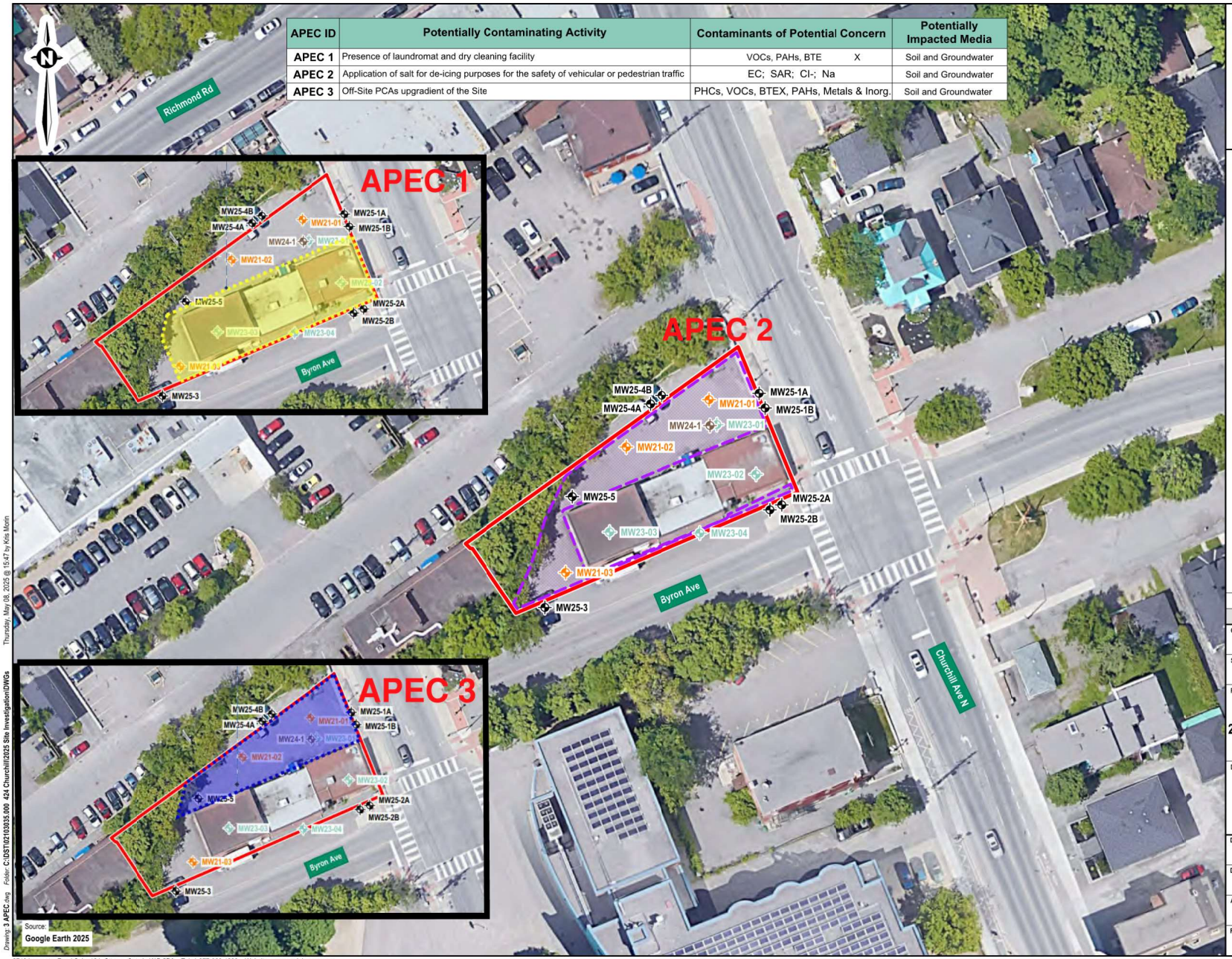
Drawing: 2B tables.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Thursday, May 08, 2025 @ 15:47 by Kris Morin

APEC ID	Potentially Contaminating Activity	Contaminants of Potential Concern	Potentially Impacted Media
APEC 1	Presence of laundromat and dry cleaning facility	VOCs, PAHs, BTE X	Soil and Groundwater
APEC 2	Application of salt for de-icing purposes for the safety of vehicular or pedestrian traffic	EC; SAR; Cl-; Na	Soil and Groundwater
APEC 3	Off-Site PCAs upgradient of the Site	PHCs, VOCs, BTEX, PAHs, Metals & Inorg.	Soil and Groundwater



Source: Google Earth 2025

Note

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

Legend

- Property Boundary
- APEC 1
- APEC 2
- APEC 3
- Location of Monitoring Well (Englobe, 2021)
- Location of Monitoring Well (Englobe, 2023)
- Location of Deep Monitoring Well (Englobe, 2024)
- Location of Monitoring Well (Englobe, 2025)

1:600

0 10 20 30 m

0 1:1 5 cm

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

Revision	Date	Issue	Approval
C	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: Areas of Potential Environmental Concern

Designed By	Scale
A.G.	As shown
Drawn By	**Date**
K.M.	May 2025
Approved By	**Project No.**
	02103035.000

Figure No. 5

Drawing: 3 APEC.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Thursday, May 08, 2025 @ 15:47 by Kris Morin

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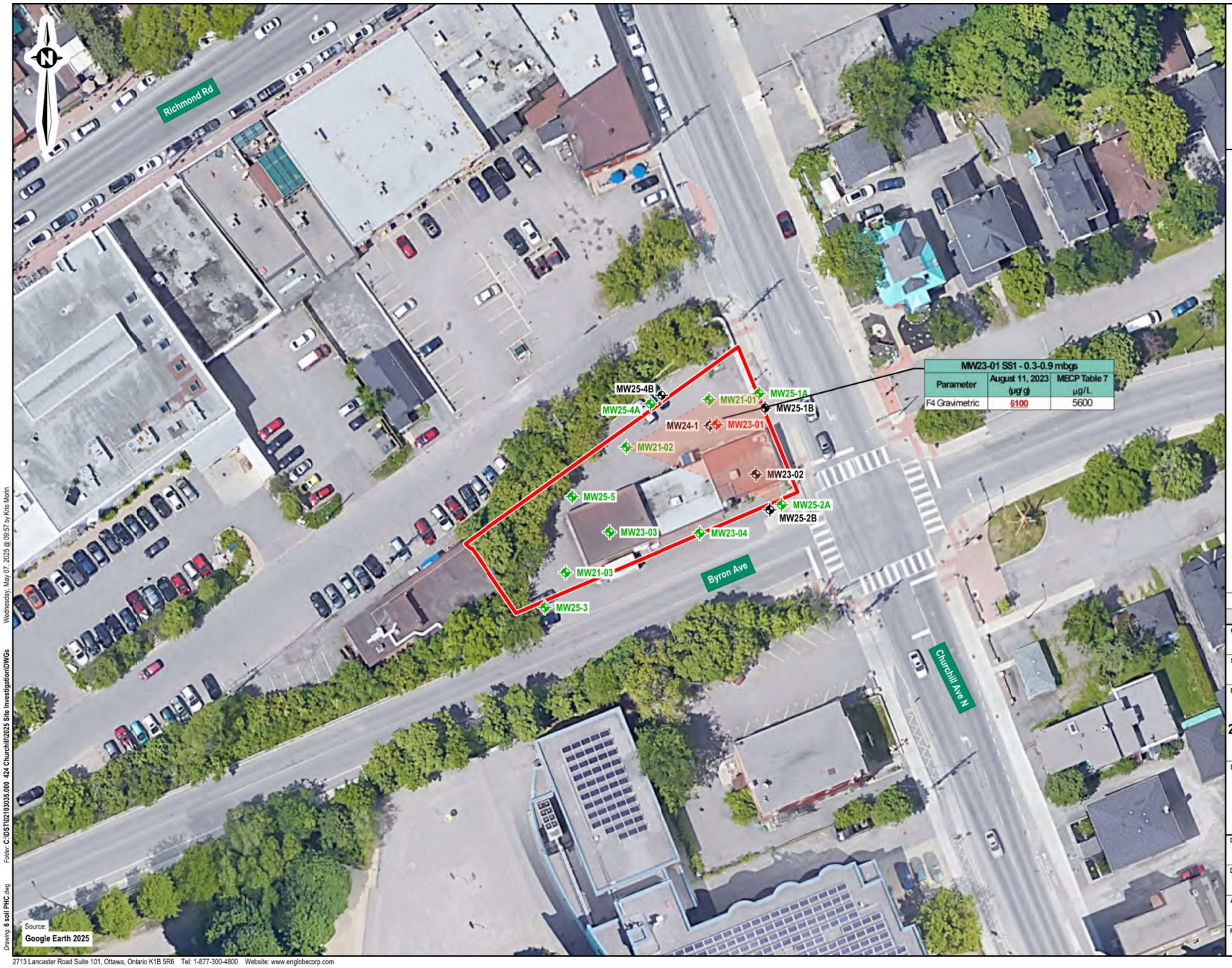

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Soil Sample Meets Applicable Table 7 SCS for PHCs
- Soil Sample Exceeeds Applicable Table 7 SCS for PHCs
- Soil Sample Not Analyzed
- Inferred Extent of PHC Contamination in Soil

1:600

0 10 20 30 m

0 1:1 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: PHCs in Soil

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No. 6

Drawing: 6 soil PHC.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Wednesday, May 07, 2025 @ 09:57 by Kris Morin

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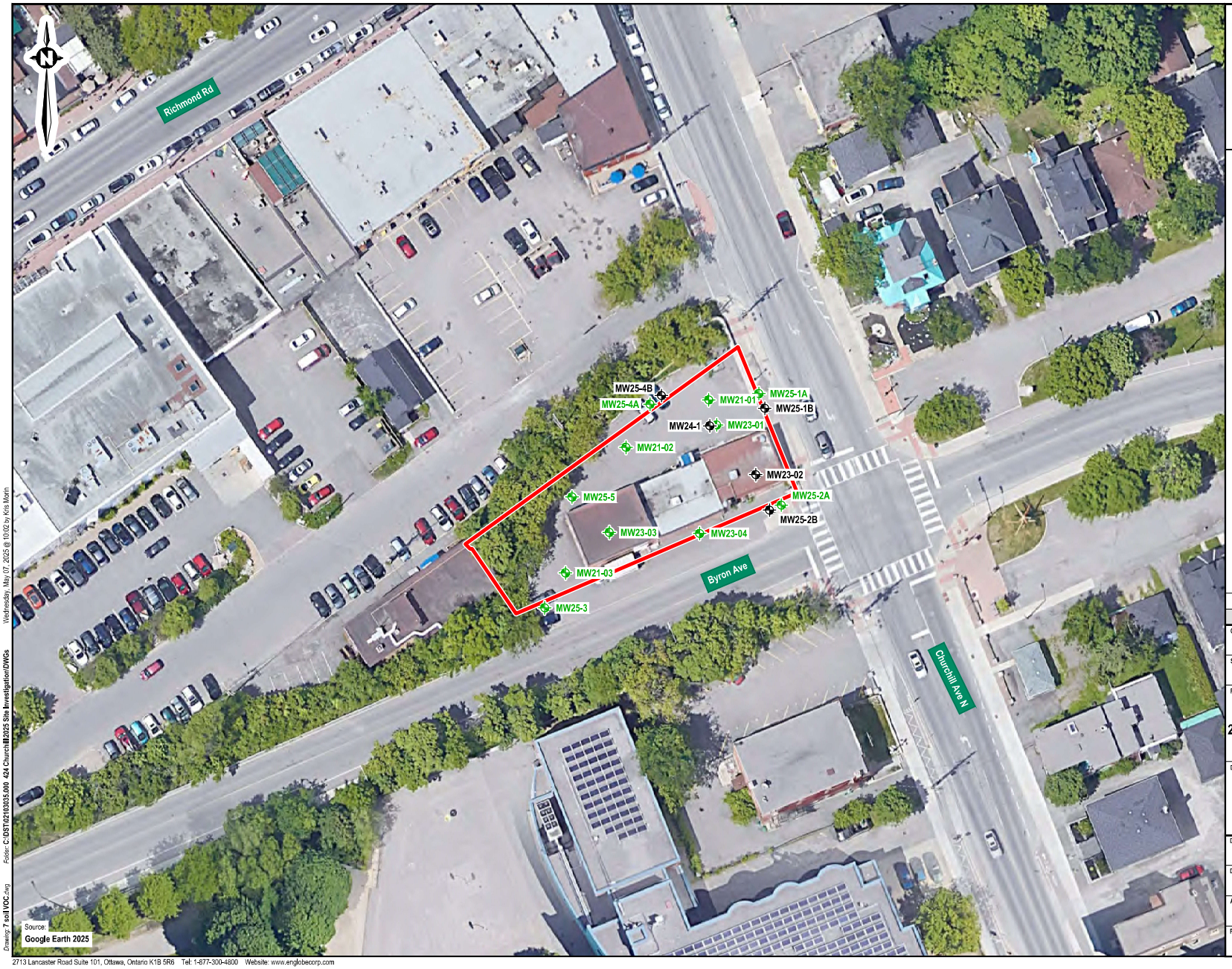

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Soil Sample Meets Applicable Table 7 SCS for VOCs
- Soil Sample Not Analyzed

1:600

0 10 20 30 m

1:1 0 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: VOCs in Soil

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No. 7

Drawing: 7 soil VOC.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Wednesday, May 07, 2025 @ 10:02 by Kris Morin

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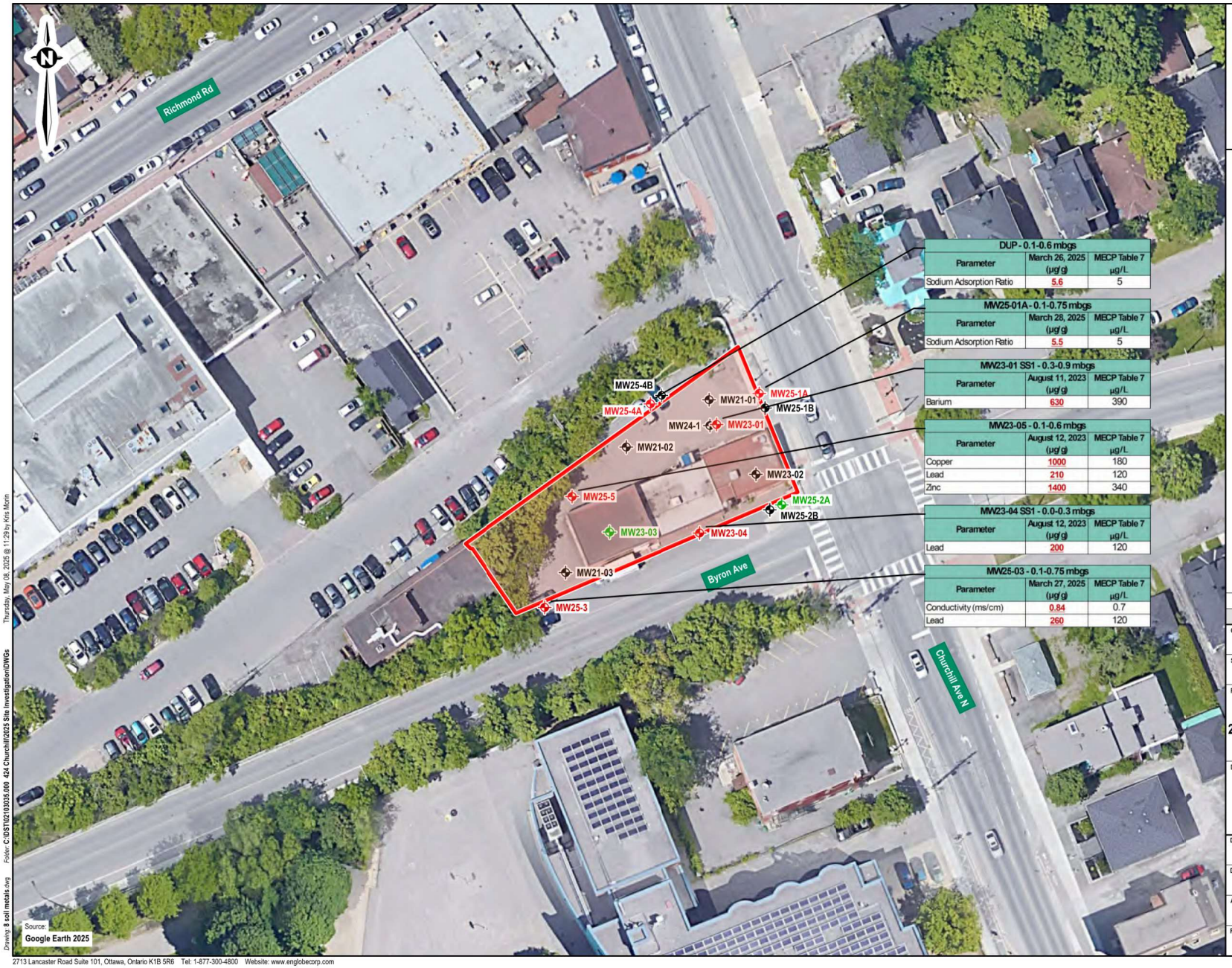

DUP - 0.1-0.6 mbgs		
Parameter	March 26, 2025 (µg/g)	MECP Table 7 µg/L
Sodium Adsorption Ratio	5.6	5

MW25-01A - 0.1-0.75 mbgs		
Parameter	March 28, 2025 (µg/g)	MECP Table 7 µg/L
Sodium Adsorption Ratio	5.5	5

MW23-01 SS1 - 0.3-0.9 mbgs		
Parameter	August 11, 2023 (µg/g)	MECP Table 7 µg/L
Barium	630	390

MW23-05 - 0.1-0.6 mbgs		
Parameter	August 12, 2023 (µg/g)	MECP Table 7 µg/L
Copper	1000	180
Lead	210	120
Zinc	1400	340

MW23-04 SS1 - 0.0-0.3 mbgs		
Parameter	August 12, 2023 (µg/g)	MECP Table 7 µg/L
Lead	200	120

MW25-03 - 0.1-0.75 mbgs		
Parameter	March 27, 2025 (µg/g)	MECP Table 7 µg/L
Conductivity (ms/cm)	0.84	0.7
Lead	260	120

ENGLOBE

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Soil Sample Meets Table 7 SCS for Metals and Inorganics
- Soil Sample Exceeds Table 7 SCS for Metals and Inorganics
- Soil Sample Not Analyzed
- Inferred Extent of Metal Contamination in Soil

1:600

0 10 20 30 m

0 1:1 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: Metals and Inorganics in Soil

Designed By	Scale
A.G.	As shown
Drawn By	Date
K.M.	May 2025
Approved By	Project No.
	02103035.000

Figure No. 8

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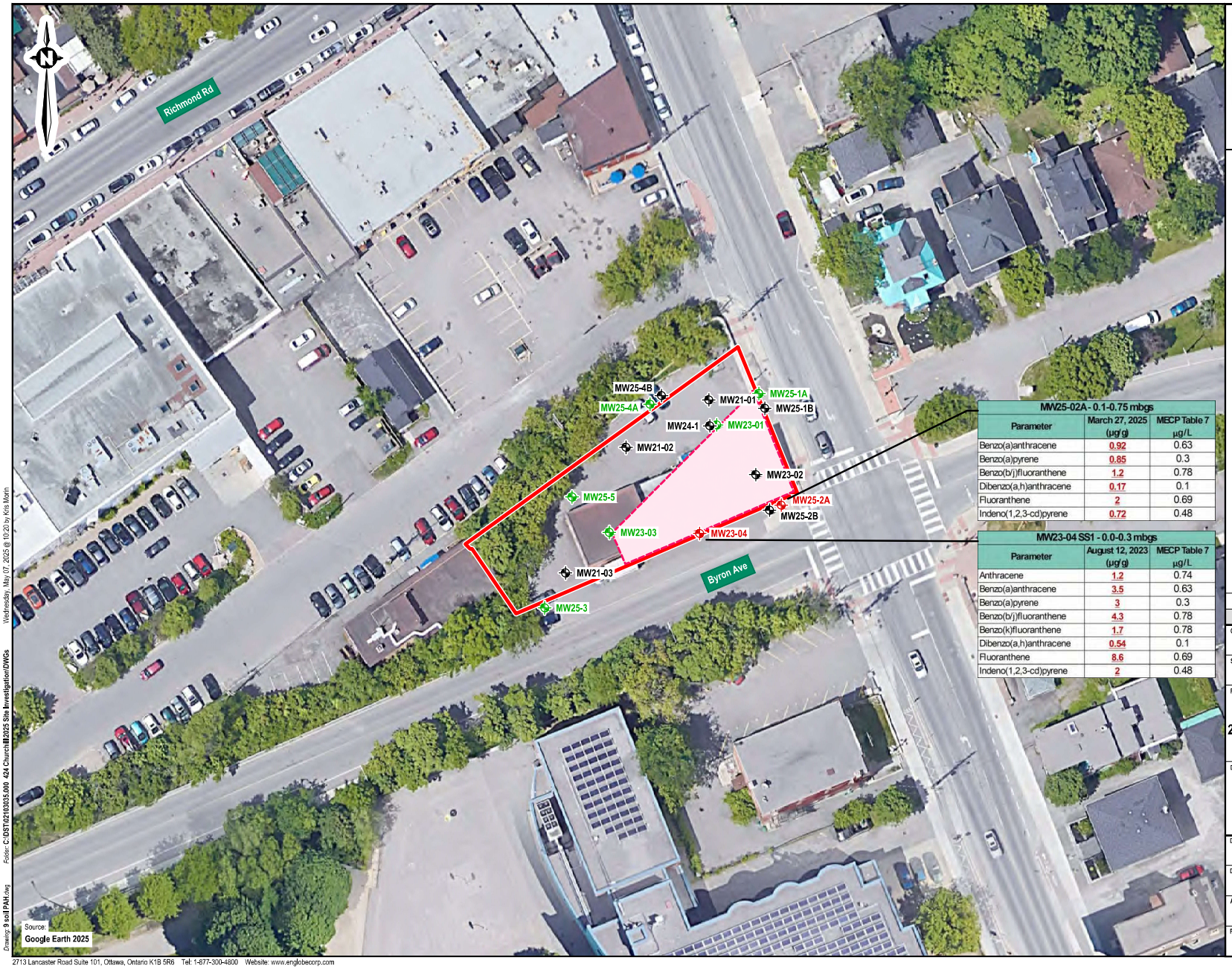
Drawing: 8 soil metals.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Thursday, May 08, 2025 @ 11:29 by Kris Morin



MW25-02A - 0.1-0.75 mbgs		
Parameter	March 27, 2025 (µg/g)	MECP Table 7 µg/L
Benzo(a)anthracene	0.92	0.63
Benzo(a)pyrene	0.85	0.3
Benzo(b/j)fluoranthene	1.2	0.78
Dibenzo(a,h)anthracene	0.17	0.1
Fluoranthene	2	0.69
Indeno(1,2,3-cd)pyrene	0.72	0.48

MW23-04 SS1 - 0.0-0.3 mbgs		
Parameter	August 12, 2023 (µg/g)	MECP Table 7 µg/L
Anthracene	1.2	0.74
Benzo(a)anthracene	3.5	0.63
Benzo(a)pyrene	3	0.3
Benzo(b/j)fluoranthene	4.3	0.78
Benzo(k)fluoranthene	1.7	0.78
Dibenzo(a,h)anthracene	0.54	0.1
Fluoranthene	8.6	0.69
Indeno(1,2,3-cd)pyrene	2	0.48

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Soil Sample Meets Applicable Table 7 SCS for PAHs
- Soil Sample Exceeeds Applicable Table 7 SCS for PAHs
- Soil Sample Not Analyzed
- Inferred Extent of PAH Contamination in Soil

1:600

0 10 20 30 m

1:1

0 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: PAHs in Soil

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No.: 9

Drawing: 9 soil PAH.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Wednesday, May 07, 2025 @ 10:20 by Kris Morin

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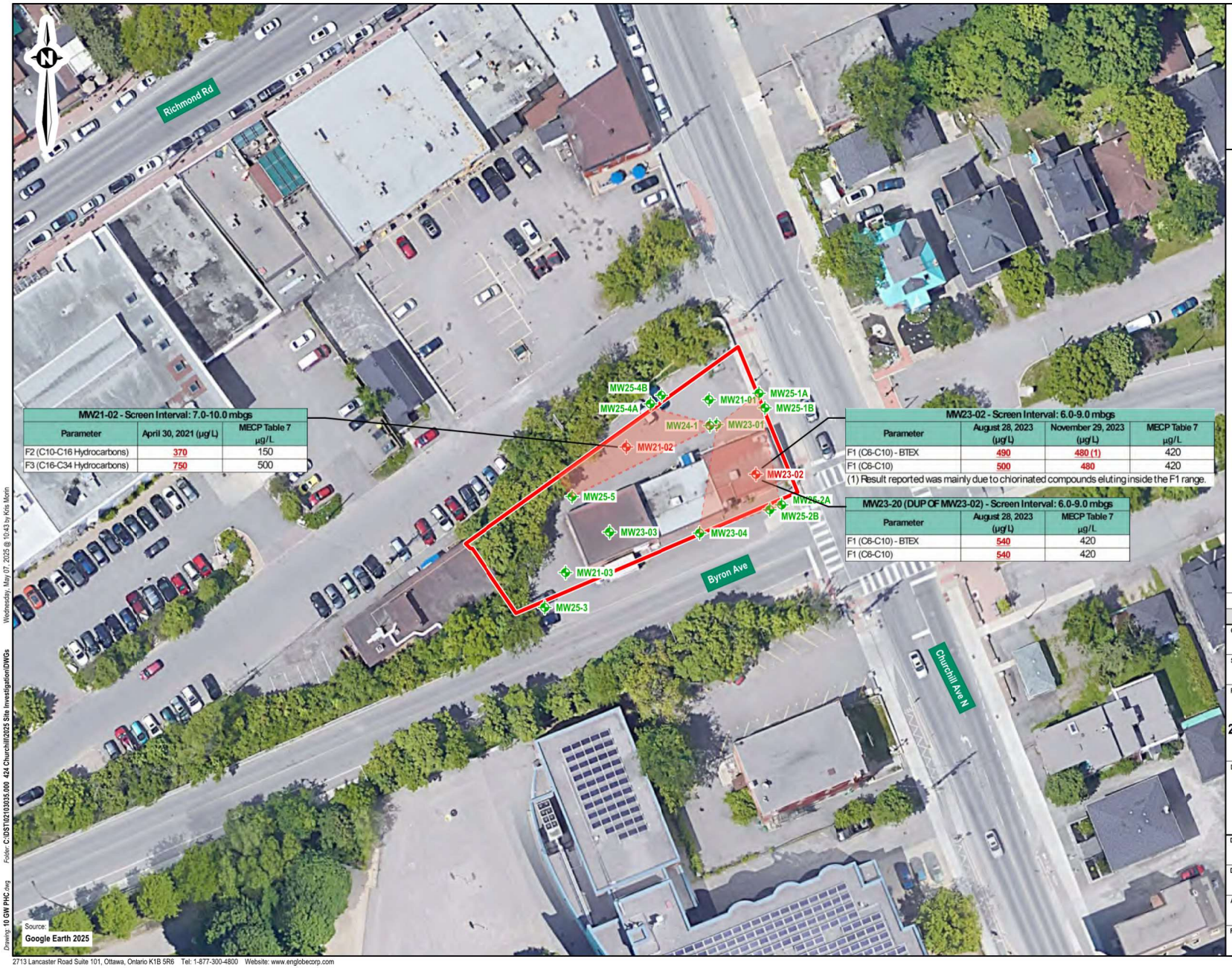

MW21-02 - Screen Interval: 7.0-10.0 mbgs		
Parameter	April 30, 2021 (µg/L)	MECP Table 7 µg/L
F2 (C10-C16 Hydrocarbons)	370	150
F3 (C16-C34 Hydrocarbons)	750	500

MW23-02 - Screen Interval: 6.0-9.0 mbgs			
Parameter	August 28, 2023 (µg/L)	November 29, 2023 (µg/L)	MECP Table 7 µg/L
F1 (C6-C10) - BTEX	490	480 (1)	420
F1 (C6-C10)	500	480	420

(1) Result reported was mainly due to chlorinated compounds eluting inside the F1 range.

MW23-20 (DUP OF MW23-02) - Screen Interval: 6.0-9.0 mbgs		
Parameter	August 28, 2023 (µg/L)	MECP Table 7 µg/L
F1 (C6-C10) - BTEX	540	420
F1 (C6-C10)	540	420

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Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Groundwater Sampie Meets Applicable Table 7 SCS for PHCs
- Groundwater Sampie Exceeds Applicable Table 7 SCS for PHCs
- Inferred Extent of PHC Contamination in Groundwater

1:600

0 10 20 30 m

0 1:1 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: PHCs in Groundwater

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000
Figure No.: 10	

Drawing: 10 GW PHC.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Wednesday, May 07, 2025 @ 10:43 by Kris Morin

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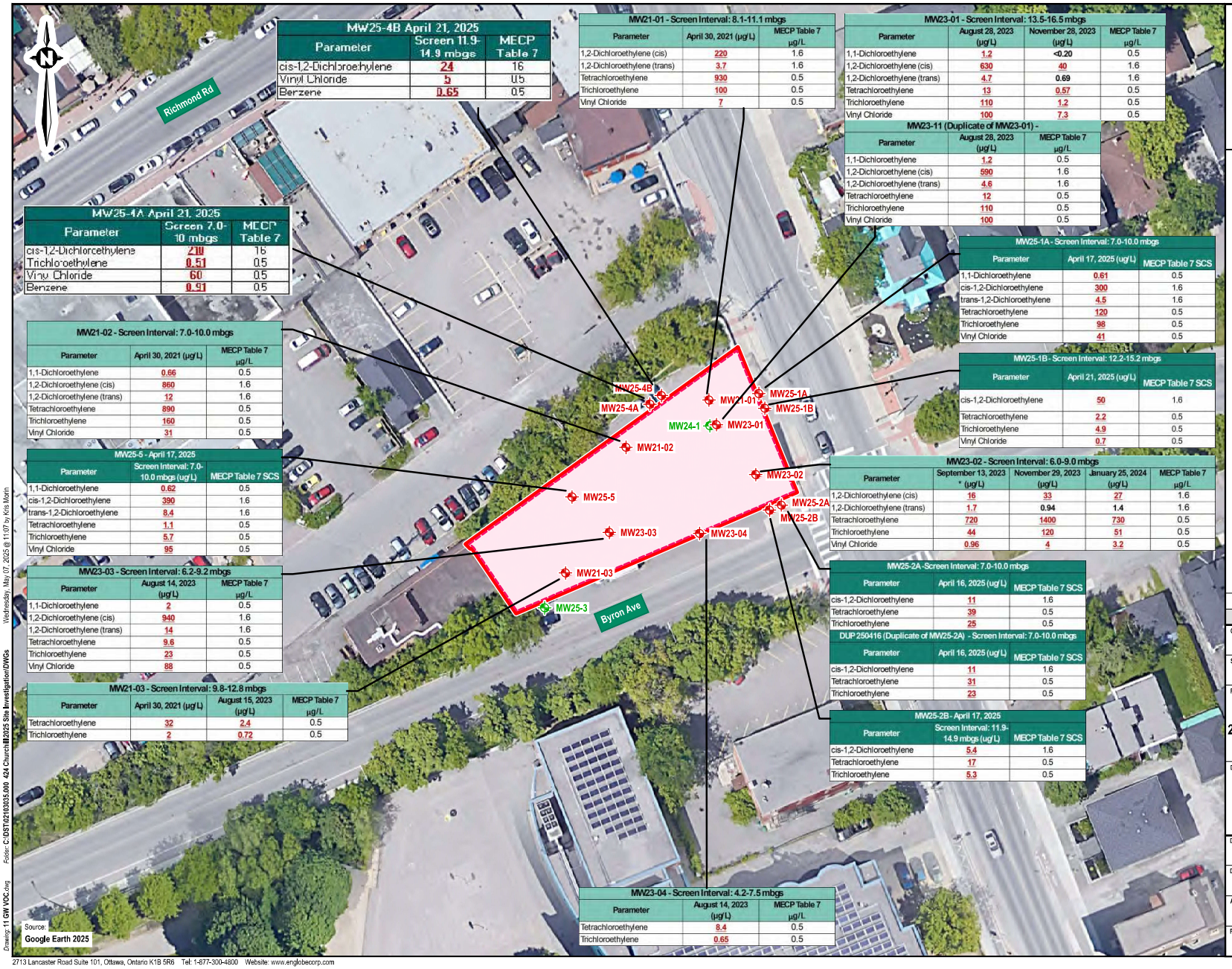

MW25-4B April 21, 2025

Parameter	Screen 11.9-14.9 mbgs	MECP Table 7
cis-1,2-Dichloroethylene	24	16
Vinyl Chloride	5	0.5
Benzene	0.65	0.5

MW25-4A April 21, 2025

Parameter	Screen 7.0-10 mbgs	MECP Table 7
cis-1,2-Dichloroethylene	210	16
Trichloroethylene	0.51	0.5
Vinyl Chloride	60	0.5
Benzene	0.91	0.5

MW21-01 - Screen Interval: 8.1-11.1 mbgs

Parameter	April 30, 2021 (µg/L)	MECP Table 7 µg/L
1,2-Dichloroethylene (cis)	220	1.6
1,2-Dichloroethylene (trans)	3.7	1.6
Tetrachloroethylene	930	0.5
Trichloroethylene	100	0.5
Vinyl Chloride	7	0.5

MW23-01 - Screen Interval: 13.5-16.5 mbgs

Parameter	August 28, 2023 (µg/L)	November 28, 2023 (µg/L)	MECP Table 7 µg/L
1,1-Dichloroethylene	1.2	<0.20	0.5
1,2-Dichloroethylene (cis)	630	40	1.6
1,2-Dichloroethylene (trans)	4.7	0.69	1.6
Tetrachloroethylene	13	0.57	0.5
Trichloroethylene	110	1.2	0.5
Vinyl Chloride	100	7.3	0.5

MW23-11 (Duplicate of MW23-01) -

Parameter	August 28, 2023 (µg/L)	MECP Table 7 µg/L
1,1-Dichloroethylene	1.2	0.5
1,2-Dichloroethylene (cis)	590	1.6
1,2-Dichloroethylene (trans)	4.6	1.6
Tetrachloroethylene	12	0.5
Trichloroethylene	110	0.5
Vinyl Chloride	100	0.5

MW25-1A - Screen Interval: 7.0-10.0 mbgs

Parameter	April 17, 2025 (ug/L)	MECP Table 7 SCS
1,1-Dichloroethylene	0.61	0.5
cis-1,2-Dichloroethylene	300	1.6
trans-1,2-Dichloroethylene	4.5	1.6
Tetrachloroethylene	120	0.5
Trichloroethylene	98	0.5
Vinyl Chloride	41	0.5

MW25-1B - Screen Interval: 12.2-15.2 mbgs

Parameter	April 21, 2025 (ug/L)	MECP Table 7 SCS
cis-1,2-Dichloroethylene	50	1.6
Tetrachloroethylene	2.2	0.5
Trichloroethylene	4.9	0.5
Vinyl Chloride	0.7	0.5

MW21-02 - Screen Interval: 7.0-10.0 mbgs

Parameter	April 30, 2021 (µg/L)	MECP Table 7 µg/L
1,1-Dichloroethylene	0.66	0.5
1,2-Dichloroethylene (cis)	860	1.6
1,2-Dichloroethylene (trans)	12	1.6
Tetrachloroethylene	890	0.5
Trichloroethylene	160	0.5
Vinyl Chloride	31	0.5

MW25-5 - April 17, 2025

Parameter	Screen Interval: 7.0-10.0 mbgs (ug/L)	MECP Table 7 SCS
1,1-Dichloroethylene	0.62	0.5
cis-1,2-Dichloroethylene	390	1.6
trans-1,2-Dichloroethylene	8.4	1.6
Tetrachloroethylene	1.1	0.5
Trichloroethylene	5.7	0.5
Vinyl Chloride	95	0.5

MW23-02 - Screen Interval: 6.0-9.0 mbgs

Parameter	September 13, 2023 * (µg/L)	November 29, 2023 (µg/L)	January 25, 2024 (µg/L)	MECP Table 7 µg/L
1,2-Dichloroethylene (cis)	16	33	27	1.6
1,2-Dichloroethylene (trans)	1.7	0.94	1.4	1.6
Tetrachloroethylene	720	1400	730	0.5
Trichloroethylene	44	120	51	0.5
Vinyl Chloride	0.96	4	3.2	0.5

MW23-03 - Screen Interval: 6.2-9.2 mbgs

Parameter	August 14, 2023 (µg/L)	MECP Table 7 µg/L
1,1-Dichloroethylene	2	0.5
1,2-Dichloroethylene (cis)	940	1.6
1,2-Dichloroethylene (trans)	14	1.6
Tetrachloroethylene	9.6	0.5
Trichloroethylene	23	0.5
Vinyl Chloride	88	0.5

MW25-2A -Screen Interval: 7.0-10.0 mbgs

Parameter	April 16, 2025 (ug/L)	MECP Table 7 SCS
cis-1,2-Dichloroethylene	11	1.6
Tetrachloroethylene	39	0.5
Trichloroethylene	25	0.5

DUP 250416 (Duplicate of MW25-2A) - Screen Interval: 7.0-10.0 mbgs

Parameter	April 16, 2025 (ug/L)	MECP Table 7 SCS
cis-1,2-Dichloroethylene	11	1.6
Tetrachloroethylene	31	0.5
Trichloroethylene	23	0.5

MW25-2B - April 17, 2025

Parameter	Screen Interval: 11.9-14.9 mbgs (ug/L)	MECP Table 7 SCS
cis-1,2-Dichloroethylene	5.4	1.6
Tetrachloroethylene	17	0.5
Trichloroethylene	5.3	0.5

MW21-03 - Screen Interval: 9.8-12.8 mbgs

Parameter	April 30, 2021 (µg/L)	August 15, 2023 (µg/L)	MECP Table 7 µg/L
Tetrachloroethylene	32	2.4	0.5
Trichloroethylene	2	0.72	0.5

MW23-04 - Screen Interval: 4.2-7.5 mbgs

Parameter	August 14, 2023 (µg/L)	MECP Table 7 µg/L
Tetrachloroethylene	8.4	0.5
Trichloroethylene	0.65	0.5

Source: Google Earth 2025

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Groundwater Sample Meets Applicable Table 7 SCS for VOCs
- Groundwater Sample Exceeds Applicable Table 7 SCS for VOCs
- Inferred Extent of VOC Contamination in Groundwater

** Conducted in support of evaluating potential discharge to municipal sewer system for development purposes only

1:600

0 10 20 30 m

0 1:1 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: VOCs in Groundwater

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000
Figure No.: 11	

Drawing: 11 GW VOC.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Wednesday, May 07, 2025 @ 11:07 by Kris Morin

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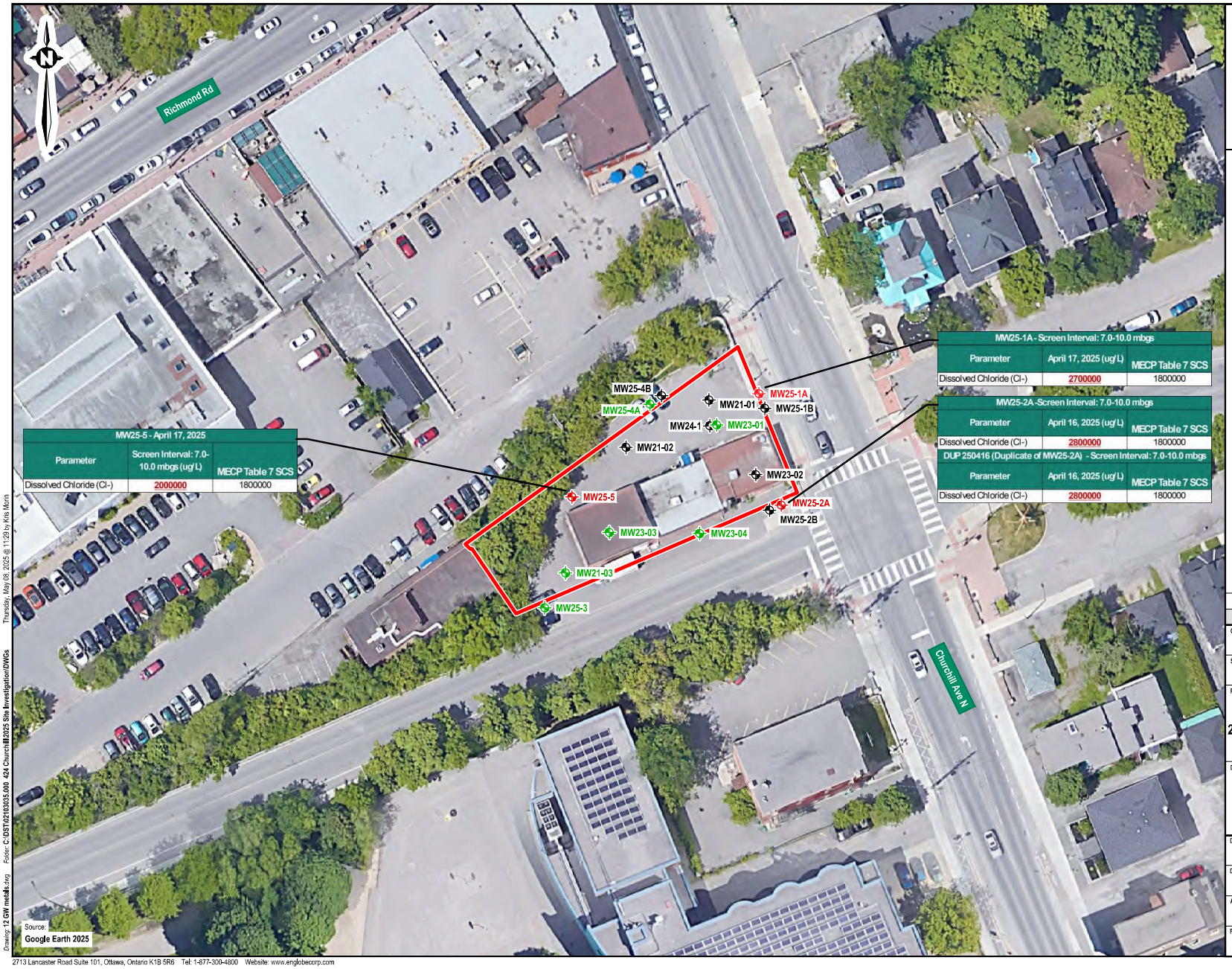

MW25-5 - April 17, 2025		
Parameter	Screen Interval: 7.0-10.0 mbgs (ug/L)	MECP Table 7 SCS
Dissolved Chloride (Cl-)	2000000	1800000

MW25-1A - Screen Interval: 7.0-10.0 mbgs		
Parameter	April 17, 2025 (ug/L)	MECP Table 7 SCS
Dissolved Chloride (Cl-)	2700000	1800000

MW25-2A -Screen Interval: 7.0-10.0 mbgs		
Parameter	April 16, 2025 (ug/L)	MECP Table 7 SCS
Dissolved Chloride (Cl-)	2800000	1800000

DUP 250416 (Duplicate of MW25-2A) - Screen Interval: 7.0-10.0 mbgs		
Parameter	April 16, 2025 (ug/L)	MECP Table 7 SCS
Dissolved Chloride (Cl-)	2800000	1800000

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Groundwater Sample Meets Table 7 SCS for Metals and Inorganics
- Groundwater Sample Exceeds Table 7 SCS for Metals and Inorganics
- Groundwater Sample Not Analyzed

1:600

0 10 20 30 m

0 1:1 5 cm

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

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: Churchill Properties Inc.

Site: 424 Churchill Avenue North, Ottawa, ON

Report Title: 2025 Supplemental Environmental Site Investigation

Drawing Title: Metals and Inorganics in Groundwater

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000
Figure No.: 12	

Drawing: 12 GW metals.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Thursday, May 08, 2025 @ 11:29 by Kris Morin

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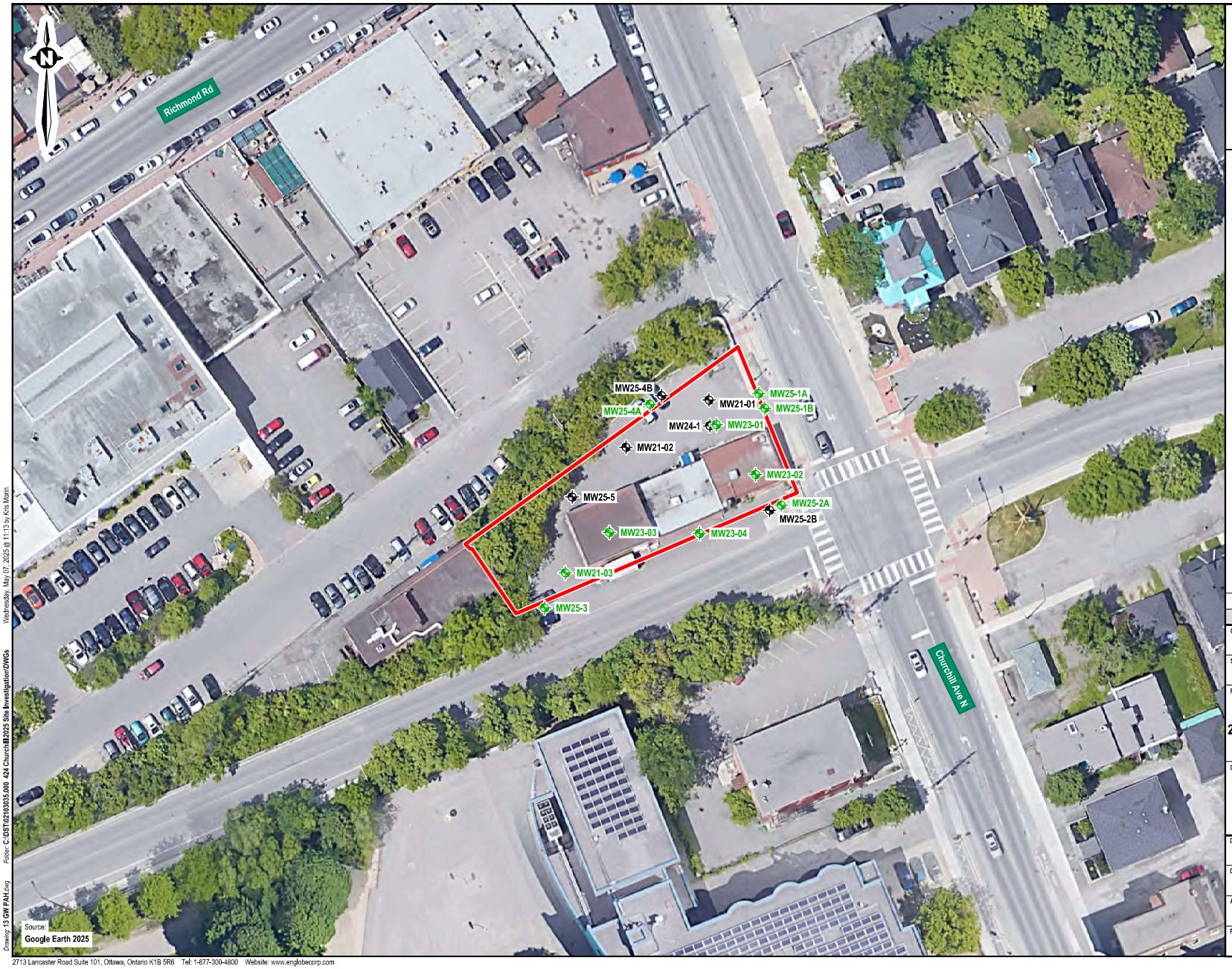

Note

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

Legend

- Phase One, Phase Two and Record of Site Condition (RSC) Property Boundary
- Groundwater Sample Meets Applicable Table 7 SCS for PAHs
- Groundwater Sample Not Analyzed

1:600

0 10 20 30 m

1:1

0 5 cm

Scale accurate when printed at 100% using paper size ANSI full bleed B (11,0 x 17,0 inches)

Revision	Date	Issue	Approval
A	05/08/2025	Preliminary	

Client: **Churchill Properties Inc.**

Site: **424 Churchill Avenue North, Ottawa, ON**

Report Title: **2025 Supplemental Environmental Site Investigation**

Drawing Title: **PAHs in Groundwater**

Designed By: A.G.	Scale: As shown
Drawn By: K.M.	Date: May 2025
Approved By:	Project No.: 02103035.000

Figure No. **13**

Drawing: 13 GW PAH.dwg Folder: C:\DST\02103035.000 424 Churchill\2025 Site Investigation\DWGs Wednesday, May 07, 2025 @ 11:13 by Kris Morin

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Appendix B
Data Tables

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Table D-1. Summary of Soil Analytical Results.

Sample ID	MECP Table 7 SCS	Units	MW21-01 SS2	MW21-02 SS2	MW21-03 SS1	MW23-01 SS1	MW23-03 SS1	MW23-04 SS1	MW25-01A	MW25-02A	MW25-03	MW25-04A	DUP	MW25-05
Sample Depth (mbgs)			0.8 - 1.2	0.8 - 1.0	0.3 - 0.5	0.3 - 0.9	0.15 - 0.45	0 - 0.3	0.1-0.75	0.1-0.75	0.1-0.75	0.1-0.6	0.1-0.6	0.1-0.6
Sample Date (yyyy-mm-dd)			2021-04-21	2021-04-21	2021-04-22	2023-07-11	2023-07-20	2023-07-12	2025-05-26	2025-05-27	2025-05-27	2025-05-28	2025-05-28	2025-05-28
Inorganics														
pH	5 to 9	-	7.86	-	-	-	-	-	8.04	7.84	7.91	7.81	7.8	7.89
Conductivity (ms/cm)	0.7	mS/cm	-	-	-	-	-	-	0.44	0.24	**0.84**	0.24	0.26	-
Sodium Adsorption Ratio	5	N/A	-	-	-	-	-	-	**5.8**	2.5	3.6	4.7	**6.6**	-
Cyanide, Free	0.051	µg/g	-	-	-	-	-	-	<0.01	<0.01	<0.01	<0.01	<0.01	-
Metals and Hydride-Forming Metals														
Antimony	7.5	µg/g	-	-	-	0.25	0.37	0.37	<0.20	2.3	0.67	<0.20	<0.20	1.8
Arsenic	18	µg/g	-	-	-	2	2.2	3	1.1	1.3	3	1.2	1.3	8.3
Barium	390	µg/g	-	-	-	**630**	180	310	130	93	130	260	210	270
Beryllium	5	µg/g	-	-	-	0.32	0.32	0.29	0.39	<0.20	0.28	0.35	0.37	0.49
Boron (Total)	120	µg/g	-	-	-	9.8	12	8.4	11	<5.0	7.6	5.7	10	12
Boron (Hot Water Soluble)	1.5	µg/g	-	-	-	-	-	-	0.44	0.2	0.67	0.16	0.2	-
Cadmium	1.2	µg/g	-	-	-	0.11	0.1	0.18	<0.10	0.15	0.57	<0.10	<0.10	0.89
Chromium	160	µg/g	-	-	-	9	14	13	11	7.8	15	9	9.3	18
Chromium VI	10	µg/g	-	-	-	-	-	-	<0.18	<0.18	<0.18	<0.18	<0.18	-
Cobalt	22	µg/g	-	-	-	5.3	9.4	4.5	4.9	2.9	6.2	4.6	4.9	8.4
Copper	180	µg/g	-	-	-	12	27	44	4.8	24	63	6.7	7	**1000**
Lead	120	µg/g	-	-	-	48	46	**200**	6.3	99	**260**	8.1	8.8	**210**
Mercury	1.8	µg/g	-	-	-	-	-	-	<0.050	<0.050	0.093	<0.050	<0.050	-
Molybdenum	6.9	µg/g	-	-	-	0.69	1.3	1.7	0.64	0.87	1.1	<0.50	<0.50	1.5
Nickel	130	µg/g	-	-	-	11	18	11	12	6.5	18	11	11	29
Selenium	2.4	µg/g	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver	25	µg/g	-	-	-	<0.20	<0.20	1.3	<0.20	<0.20	0.21	<0.20	<0.20	0.31
Thallium	1	µg/g	-	-	-	0.17	0.32	0.15	0.12	0.078	0.2	0.1	0.1	0.27
Uranium	23	µg/g	-	-	-	0.35	0.46	0.36	0.19	0.38	0.32	0.19	0.21	0.4
Vanadium	86	µg/g	-	-	-	16	14	22	10	12	18	8.3	8.8	19
Zinc	340	µg/g	-	-	-	25	57	92	11	36	140	10	11	**1400**
Petroleum Hydrocarbons (PHCs)														
F1 (C6-C10)	65	µg/g	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F1 (C6-C10) - BTEX	65	µg/g	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
F2 (C10-C16)	150	µg/g	<10	<10	<10	<10	<10	<10	13	<7.0	26	<7.0	<7.0	7.8
F3 (C16-C34)	1300	µg/g	<50	100	<50	340	<50	420	140	140	340	<50	<50	170
F4 (C34-C50)	5,600	µg/g	<50	290	95	1300	170	880	190	140	180	<50	<50	680
Reached Baseline at C50	NG	µg/g	YES	NO	YES	NO	NO	NO	YES	YES	NO	YES	YES	NO
F4 Gravimetric	5,600	µg/g	-	1100	-	**6100**	640	3200	-	-	710	-	-	2900
Volatile Organic Compounds (VOCs)														
Acetone	28	µg/g	<0.50	<0.50	<0.50	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Benzene	0.17	µg/g	<0.020	<0.020	<0.020	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Bromodichloromethane	13	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromoform	0.26	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromomethane	0.05	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Carbon Tetrachloride	0.12	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chlorobenzene	2.7	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chloroform	0.18	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dibromochloromethane	9.4	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichlorobenzene	4.3	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,3-Dichlorobenzene	6	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,4-Dichlorobenzene	0.097	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1-Dichloroethane	11	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichloroethane	0.05	µg/g	<0.050	<0.050	<0.050	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
1,1-Dichloroethylene	0.05	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Cis-1,2-Dichloroethylene	30	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	0.058	<0.040	<0.040	<0.040
Trans-1,2-Dichloroethylene	0.75	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,2-Dichloropropane	0.085	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Cis-1,3-Dichloropropylene	NG	µg/g	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Trans-1,3-Dichloropropylene	NG	µg/g	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Ethylbenzene	15	µg/g	<0.020	<0.020	<0.020	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Ethylene Dibromide	0.05	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Methyl Ethyl Ketone	44	µg/g	<0.5	<0.5	<0.5	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methylene Chloride	0.96	µg/g	<0.05	<0.05	<0.05	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
Methyl Isobutyl Ketone	4.3	µg/g	<0.5	<0.5	<0.5	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methyl-tert-Butyl Ether	1.4	µg/g	<0.05	<0.05	<0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Styrene	2.2	µg/g	<0.05	<0.05	<0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,1,2-Tetrachloroethane	0.05	µg/g	<0.05	<0.05	<0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,2,2-Tetrachloroethane	0.05	µg/g	<0.05	<0.05	<0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Toluene	6	µg/g	<0.02	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.022	<0.020
Volatile Organic Compounds (VOCs)														
Tetrachloroethylene	2.3	µg/g	0.72	0.27	0.32	2	0.23	0.16	0.19	0.75	1.7	0.75	1.7	1
1,1,1-Trichloroethane	3.4	µg/g	<0.05	<0.05	<0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,1,2-Trichloroethane	0.05	µg/g	<0.05	<0.05	<0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trichloroethylene	0.52	µg/g	<0.05	<0.05	<0.05	<0.010	<0.010	<0.010	<0.010	<0.010	0.089	<0.010	<0.010	<0.010
Vinyl Chloride	0.022	µg/g	<0.02	<0.02	<0.02	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
m-Xylene & p-Xylene	NG	µg/g	<0.02	<0.02	<0.02	0.035	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
o-Xylene	NG	µg/g	<0.02	<0.02	<0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Xylenes	25	µg/g	<0.02	<0.02	<0.02	0.035	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Dichlorodifluoromethane	25	µg/g	<0.050	<0.050	<0.050	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Hexane(n)	34	µg/g	<0.050	<0.050	<0.050	0.054	0.062	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trichlorofluoromethane	5.8	µg/g	<0.05	<0.05	<0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
1,3-Dichloropropene (cis + trans)	0.083	µg/g	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Polycyclic Aromatic Hydrocarbons (PAHs)														
Acenaphthene	58	µg/g	-	-	-	<0.050	<0.050	0.58	<0.0050	0.096	<0.0050	<0.0050	<0.0050	<0.050
Acenaphthylene	0.17	µg/g	-	-	-	<0.050	<0.050	0.059	<0.0050	0.018	0.022	<0.0050	<0.0050	<0.050
Anthracene	0.74	µg/g	-	-	-	<0.050	0.059	**1.2**	<0.0050	0.24	0.037	<0.0050	<0.0050	0.073
Benzo(a)anthracene	0.63	µg/g	-	-	-	0.072	0.21	**3.8**	<0.0050	**0.82**	0.062	0.0084	0.014	0.2
Benzo(a)pyrene	0.3	µg/g	-	-	-	0.085	0.19	**3**	0.007	**0.85**	0.091	0.0094	0.011	0.18
Benzo(b)fluoranthene	0.78	µg/g	-	-	-	0.11	0.26	**4.3**	0.0074	**1.2**	0.12	0.012	0.019	0.24
Benzo(ghi)perylene	7.8	µg/g	-	-	-	0.079	0.12	1.8	0.016	0.67	0.19	0.0061	0.011	0.086
Benzo(k)fluoranthene	0.78	µg/g	-	-	-	<0.050	0.095	**1.7**	<0.0050	0.49	0.04	<0.0050	0.0069	0.091
Chrysene	7.8	µg/g	-	-	-	0.088	0.16	3.3	0.0073	0.81	0.06	0.0088	0.011	0.17
Dibenzo(a,h)anthracene	0.1	µg/g	-	-	-	<0.050	<0.050	**0.84**	<0.0050	**0.17**	0.023	<0.0050	<0.0050	<0.050
Fluoranthene	0.69	µg/g	-	-	-	0.15	0.41	**8.8**	<0.0050	**2**	0.11	0.023	0.019	0.59
Fluorene	62	µg/g	-	-	-	<0.050	<0.050	0.63	<0.0050	0.087	<0.0050	<0.0050	<0.0050	<0.050
Indeno(1,2,3-cd)pyrene	0.48	µg/g	-	-	-	0.064	0.12	**2**	<0.0050	**0.72**	0.13	0.0063	0.0078	0.078
1-Methylnaphthalene	NG	µg/g	-	-	-	<0.050	<0.050	0.24	<0.0050	0.014	0.0054	<0.0050	<0.0050	<0.050
2-Methylnaphthalene	NG	µg/g	-	-	-	<0.050	<0.050	0.24	<0.0050	0.011	<0.0050	<0.0050	<0.0050	<0.050
Naphthalene	0.75	µg/g	-	-	-	<0.050	<0.050	0.45	<0.0050	0.016	<0.0050	<0.0050	<0.0050	<0.050
Phenanthrene	7.8	µg/g	-	-	-	0.1	0.2	7.5	0.0072	1.1	0.059	0.011	0.0095	0.42
Pyrene	78	µg/g	-	-	-	0.14	0.34	6.6	0.0094	1.5	0.1	0.019	0.017	0.48
Methylnaphthalene, 2(-1-)	3.4	µg/g	-	-	-	<0.071	<0.071	0.48	<0.0071	0.025	<0.0071	<0.0071	<0.0071	<0.071

Notes	
MECP Table 7 SCS	Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for Residential/Parkland/Institutional Property Use, medium-/fine textured soil, Ontario Ministry of the ENGironment "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (MECP July 2011).
NG	No Guideline Available
-	Parameter not Analyzed
<	Less Than Reportable Detection Limit
X	Exceeds MECP Table 7 SCS

Table 2. Summary of Groundwater Analytical Results.

Sample ID	MECP Table 7 SCS	Units	MW21-01	MW21-02	MW21-03	MW21-03	F. BLANK	T. BLANK	MW23-01	MW23-11 (DUP OF MW23-01)
Sample Date (yyyy-mm-dd)			2021-04-30	2021-04-30	2021-04-30	2023-08-15	2023-08-15	2023-08-15	2023-08-28	2023-08-28
Inorganics										
Dissolved Chloride (Cl-)	1800000	µg/L	-	1800	-	-	-	-	-	-
WAD Cyanide (Free)	52	µg/L	-	-	-	-	-	-	-	-
pH	NG	µg/L	-	7.92	-	-	-	-	-	-
Metals and Hydride Forming Metals										
Dissolved Antimony (Sb)	16000	µg/L	-	-	-	<0.50	-	-	<0.50	<0.50
Dissolved Arsenic (As)	1500	µg/L	-	-	-	<1.0	-	-	1.1	<1.0
Dissolved Barium (Ba)	23000	µg/L	-	-	-	64	-	-	100	110
Dissolved Beryllium (Be)	53	µg/L	-	-	-	<0.40	-	-	<0.40	<0.40
Dissolved Boron (B)	36000	µg/L	-	-	-	250	-	-	220	230
Dissolved Cadmium (Cd)	2.1	µg/L	-	-	-	<0.090	-	-	<0.090	<0.090
Dissolved Chromium (Cr)	640	µg/L	-	-	-	<5.0	-	-	<5.0	<5.0
Chromium (VI)	110	µg/L								
Dissolved Cobalt (Co)	52	µg/L	-	-	-	<0.50	-	-	<0.50	<0.50
Dissolved Copper (Cu)	69	µg/L	-	-	-	3.4	-	-	<0.90	<0.90
Dissolved Lead (Pb)	20	µg/L	-	-	-	<0.50	-	-	<0.50	<0.50
Mercury (Hg)	0.1	µg/L								
Dissolved Molybdenum (Mo)	7300	µg/L	-	-	-	8.9	-	-	0.73	<0.50
Dissolved Nickel (Ni)	390	µg/L	-	-	-	5.5	-	-	<1.0	1.2
Dissolved Selenium (Se)	50	µg/L	-	-	-	<2.0	-	-	<2.0	<2.0
Dissolved Silver (Ag)	1.2	µg/L	-	-	-	<0.090	-	-	<0.090	<0.090
Dissolved Sodium (Na)	1800000	µg/L	-	-	-	340000	-	-	550000	540000
Dissolved Thallium (Tl)	400	µg/L	-	-	-	0.38	-	-	<0.050	<0.050
Dissolved Uranium (U)	330	µg/L	-	-	-	1.8	-	-	0.48	0.45
Dissolved Vanadium (V)	200	µg/L	-	-	-	<0.50	-	-	<0.50	<0.50
Dissolved Zinc (Zn)	890	µg/L	-	-	-	6.1	-	-	<5.0	<5.0
Petroleum Hydrocarbons (PHCs)										
F1 (C6-C10) - BTEX	420	µg/L	320	340	<25	<25	-	-	54	61
F1 (C6-C10)	420	µg/L	320	340	<25	<25	-	-	54 (1)	61 (1)
F2 (C10-C16 Hydrocarbons)	150	µg/L	<100	**370**	<100	<100	-	-	<100	<100
F3 (C16-C34 Hydrocarbons)	500	µg/L	240	**750**	<200	<200	-	-	<200	<200
F4 (C34-C50 Hydrocarbons)	500	µg/L	<200	<200	<200	<200	-	-	<200	<200
Polycyclic Aromatic Hydrocarbons (PAHs)										
Acenaphthene	17	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Acenaphthylene	1	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Anthracene	1	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Benzo(a)anthracene	1.8	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Benzo(a)pyrene	0.81	µg/L	-	-	-	<0.0090	-	-	<0.0090	<0.0090
Benzo(b/j)fluoranthene	0.75	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Benzo(g,h,i)perylene	0.2	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Benzo(k)fluoranthene	0.4	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Chrysene	0.7	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Dibenzo(a,h)anthracene	0.4	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Fluoranthene	44	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Fluorene	290	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	0.2	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
1-Methylnaphthalene	1500	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
2-Methylnaphthalene	1500	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Methylnaphthalene, 2-(1-)	1500	µg/L	-	-	-	<0.071	-	-	<0.071	<0.071
Naphthalene	7	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Phenanthrene	380	µg/L	-	-	-	<0.030	-	-	<0.030	<0.030
Pyrene	5.7	µg/L	-	-	-	<0.050	-	-	<0.050	<0.050
Semi-Volatile Organic Compounds (SVOCs)										
Diethyl phthalate	30	µg/L	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	3700	µg/L	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	30	µg/L	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)										
Acetone (2-Propanone)	100000	µg/L	<50	<50	<10	<10	<10	<10	<10	<10
Benzene	0.5	µg/L	<0.20	<0.20	<0.20	<0.17	<0.20	<0.20	0.22	0.25
Bromodichloromethane	67000	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	5	µg/L	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	0.89	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	0.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20
Chlorobenzene	140	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	2	µg/L	<1.0	<1.0	<0.20	0.27	<0.20	<0.20	1	0.96
Dibromochloromethane	65000	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	150	µg/L	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.50	<0.50
1,3-Dichlorobenzene	7600	µg/L	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.50	<0.50
1,4-Dichlorobenzene	0.5	µg/L	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.50	<0.50
Dichlorodifluoromethane (FREON 12)	3500	µg/L	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	11	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	0.5	µg/L	<0.50	<0.50	<0.50	<0.50	<0.49	<0.49	<0.50	<0.50
1,1-Dichloroethylene	0.5	µg/L	<0.20	**0.66**	<0.20	<0.20	<0.20	<0.20	**1.2**	**1.2**
cis-1,2-Dichloroethylene	1.6	µg/L	**220**	**860**	1.5	<0.50	<0.50	<0.50	**630**	**590**
trans-1,2-Dichloroethylene	1.6	µg/L	**3.7**	**12**	<0.50	<0.50	<0.50	<0.50	**4.7**	**4.6**
1,2-Dichloropropane	0.58	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene	NG	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	NG	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,3-Dichloropropene (cis+trans)	0.5	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	54	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide	0.2	µg/L	<0.20	<0.20	<0.20	<0.20	<0.19	<0.19	<0.20	<0.20
Hexane	5	µg/L	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride(Dichloromethane)	26	µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Ethyl Ketone (2-Butanone)	21000	µg/L	<50	<50	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	5200	µg/L	<25	<25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl t-butyl ether (MTBE)	15	µg/L	<2.5	<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	43	µg/L	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.50	<0.50
1,1,1,2-Tetrachloroethane	1.1	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	0.5	µg/L	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.50	<0.50
Tetrachloroethylene	0.5	µg/L	**930**	**890**	**32**	**2.4**	<0.20	<0.20	**13**	**12**
Toluene	320	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.25	0.27
1,1,1-Trichloroethane	23	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	0.5	µg/L	<0.50	<0.50	<0.50	<0.50	<0.40	<0.40	<0.50	<0.50
Trichloroethylene	0.5	µg/L	**100**	**160**	**2**	**0.72**	<0.20	<0.20	**110**	**110**
Trichlorofluoromethane (FREON 11)	2000	µg/L	<2.5	<2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	0.5	µg/L	**7**	**31**	<0.20	<0.20	<0.20	<0.20	**100**	**100**
p+m-Xylene	NG	µg/L	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
o-Xylene	NG	µg/L	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes	72	µg/L	<1.0	<1.0	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Organchlorine Pesticides (OCPs)										
Hexachlorobenzene	3.1	µg/L	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)										
Total PCBs	0.2	µg/L	-	-	-	-	-	-	-	-

Sample ID	MW23-01	MW23-02	MW23-20 (DUP OF MW23-02)	MW23-02 (2)	MW23-02	MW23-02	MW23-03	MW23-03	T.BLANK	F.BLANK	MW23-04	F. BLANK
Sample Date (yyyy-mm-dd)	2023-11-28	2023-08-28	2023-08-28	2023-09-13	2023-11-29	2024-01-25	2023-08-14	2023-08-28	2023-08-28	2023-08-28	2023-08-14	2023-08-14
Inorganics												
Dissolved Chloride (Cl-)	-	-	-	-	-	-	-	-	-	-	-	-
WAD Cyanide (Free)	-	-	-	-	-	-	-	-	-	-	-	-
pH	-	-	-	7.78	-	-	-	-	-	-	-	-
Metals and Hydride Forming Metals												
Dissolved Antimony (Sb)	-	-	-	-	-	-	<0.50	-	-	-	<0.50	-
Dissolved Arsenic (As)	-	-	-	-	-	-	<1.0	-	-	-	<1.0	-
Dissolved Barium (Ba)	-	-	-	-	-	-	65	-	-	-	76	-
Dissolved Beryllium (Be)	-	-	-	-	-	-	<0.40	-	-	-	<0.40	-
Dissolved Boron (B)	-	-	-	-	-	-	230	-	-	-	95	-
Dissolved Cadmium (Cd)	-	-	-	-	-	-	<0.090	-	-	-	<0.090	-
Dissolved Chromium (Cr)	-	-	-	-	-	-	<5.0	-	-	-	<5.0	-
Chromium (VI)												
Dissolved Cobalt (Co)	-	-	-	-	-	-	24	-	-	-	0.62	-
Dissolved Copper (Cu)	-	-	-	-	-	-	1.4	-	-	-	4.7	-
Dissolved Lead (Pb)	-	-	-	-	-	-	<0.50	-	-	-	<0.50	-
Mercury (Hg)												
Dissolved Molybdenum (Mo)	-	-	-	-	-	-	6.9	-	-	-	1.9	-
Dissolved Nickel (Ni)	-	-	-	-	-	-	6.8	-	-	-	2.2	-
Dissolved Selenium (Se)	-	-	-	-	-	-	<2.0	-	-	-	<2.0	-
Dissolved Silver (Ag)	-	-	-	-	-	-	<0.090	-	-	-	<0.090	-
Dissolved Sodium (Na)	-	-	-	-	-	-	410000	-	-	-	490000	-
Dissolved Thallium (Tl)	-	-	-	-	-	-	0.18	-	-	-	0.21	-
Dissolved Uranium (U)	-	-	-	-	-	-	0.74	-	-	-	0.82	-
Dissolved Vanadium (V)	-	-	-	-	-	-	<0.50	-	-	-	<0.50	-
Dissolved Zinc (Zn)	-	-	-	-	-	-	<5.0	-	-	-	<5.0	-
Petroleum Hydrocarbons (PHCs)												
F1 (C6-C10) - BTEX	<25	**490**	**540**	-	**480 (1)**	-	-	100	<25	<25	<25	-
F1 (C6-C10)	<25	**500**	**540**	-	**480**	-	-	100	<25	<25	<25	-
F2 (C10-C16 Hydrocarbons)	<100	-	-	-	<100	-	<100	-	-	-	<100	-
F3 (C16-C34 Hydrocarbons)	<200	-	-	-	<200	-	<200	-	-	-	<200	-
F4 (C34-C50 Hydrocarbons)	<200	-	-	-	<200	-	<200	-	-	-	<200	-
Polycyclic Aromatic Hydrocarbons (PAHs)												
Acenaphthene	-	-	-	-	-	-	<0.050	-	-	-	<0.050	-
Acenaphthylene	-	-	-	-	-	-	<0.050	-	-	-	<0.050	-
Anthracene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Benzo(a)anthracene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Benzo(a)pyrene	-	-	-	<0.2	-	-	<0.0090	-	-	-	<0.0090	-
Benzo(b/j)fluoranthene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Benzo(g,h,i)perylene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Benzo(k)fluoranthene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Chrysene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Dibenzo(a,h)anthracene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Fluoranthene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Fluorene	-	-	-	<0.3	-	-	<0.050	-	-	-	<0.050	-
Indeno(1,2,3-cd)pyrene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
1-Methylnaphthalene	-	-	-	<0.3	-	-	<0.050	-	-	-	0.12	-
2-Methylnaphthalene	-	-	-	<0.3	-	-	<0.050	-	-	-	0.16	-
Methylnaphthalene, 2-(1-)	-	-	-	-	-	-	<0.071	-	-	-	0.28	-
Naphthalene	-	-	-	<0.3	-	-	<0.050	-	-	-	<0.050	-
Phenanthrene	-	-	-	<0.2	-	-	<0.030	-	-	-	0.044	-
Pyrene	-	-	-	<0.2	-	-	<0.050	-	-	-	<0.050	-
Semi-Volatile Organic Compounds (SVOCs)												
Diethyl phthalate	-	-	-	<1.0	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	-	<0.30	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	-	-	-	<2	-	-	-	-	-	-	-	-
Volatile Organic Compounds (VOCs)												
Acetone (2-Propanone)	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10
Benzene	<0.17	0.33	0.38	<0.20	<0.17	<0.20	<0.20	<0.20	<0.20	<0.20	<0.17	<0.20
Bromodichloromethane	<0.50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50
Bromoform	<1.0	-	-	<1.0	<1.0	<1.0	<1.0	-	-	-	<1.0	<1.0
Bromomethane	<0.50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50
Carbon Tetrachloride	<0.20	-	-	<0.19	<0.20	<0.19	<0.19	-	-	-	<0.20	<0.19
Chlorobenzene	<0.20	-	-	<0.20	<0.20	<0.20	<0.20	-	-	-	<0.20	<0.20
Chloroform	0.48	-	-	0.82	0.55	0.56	0.45	-	-	-	<0.20	<0.20
Dibromochloromethane	<0.50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50
1,2-Dichlorobenzene	<0.50	-	-	<0.40	<0.50	<0.40	<0.40	-	-	-	<0.50	<0.40
1,3-Dichlorobenzene	<0.50	-	-	<0.40	<0.50	<0.40	<0.40	-	-	-	<0.50	<0.40
1,4-Dichlorobenzene	<0.50	-	-	<0.40	<0.50	<0.40	<0.40	-	-	-	<0.50	<0.40
Dichlorodifluoromethane (FREON 12)	<1.0	-	-	-	<1.0	<1.0	<1.0	-	-	-	<1.0	<1.0
1,1-Dichloroethane	<0.20	-	-	<0.20	0.26	<0.20	<0.20	-	-	-	<0.20	<0.20
1,2-Dichloroethane	<0.50	-	-	<0.49	<0.50	<0.49	<0.49	-	-	-	<0.50	<0.49
1,1-Dichloroethylene	<0.20	-	-	<0.20	0.25	<0.20	**2**	-	-	-	<0.20	<0.20
cis-1,2-Dichloroethylene	**40**	-	-	**16**	**33**	**27**	**940**	-	-	-	<0.50	<0.50
trans-1,2-Dichloroethylene	0.69	-	-	**1.7**	0.94	1.4	**14**	-	-	-	<0.50	<0.50
1,2-Dichloropropane	<0.20	-	-	<0.20	<0.20	<0.20	<0.20	-	-	-	<0.20	<0.20
cis-1,3-Dichloropropene	<0.30	-	-	<0.30	<0.30	<0.30	<0.30	-	-	-	<0.30	<0.30
trans-1,3-Dichloropropene	<0.40	-	-	<0.40	<0.40	<0.40	<0.40	-	-	-	<0.40	<0.40
1,3-Dichloropropene (cis+trans)	<0.50	-	-	-	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50
Ethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide	<0.20	-	-	<0.19	<0.20	<0.19	<0.19	-	-	-	<0.20	<0.19
Hexane	<1.0	-	-	-	<1.0	<1.0	<1.0	-	-	-	<1.0	<1.0
Methylene Chloride(Dichloromethane)	<2.0	-	-	<2.0	<2.0	<2.0	<2.0	-	-	-	<2.0	<2.0
Methyl Ethyl Ketone (2-Butanone)	<10	-	-	-	<10	<10	<10	-	-	-	<10	<10
Methyl Isobutyl Ketone	<5.0	-	-	-	<5.0	<5.0	<5.0	-	-	-	<5.0	<5.0
Methyl t-butyl ether (MTBE)	<0.50	-	-	-	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50
Styrene	<0.50	-	-	<0.40	<0.50	<0.40	<0.40	-	-	-	<0.50	<0.40
1,1,1,2-Tetrachloroethane	<0.50	-	-	-	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50
1,1,2,2-Tetrachloroethane	<0.50	-	-	<0.40	<0.50	<0.40	<0.40	-	-	-	<0.50	<0.40
Tetrachloroethylene	**0.57**	-	-	**720**	**1400**	**730**	**9.6**	-	-	-	**8.4**	<0.20
Toluene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	<0.20	-	-	<0.20	<0.20	<0.20	<0.20	-	-	-	<0.20	<0.20
1,1,2-Trichloroethane	<0.50	-	-	<0.40	<0.50	<0.40	<0.40	-	-	-	<0.50	<0.40
Trichloroethylene	**1.2**	-	-	**44**	**120**	**51**	**23**	-	-	-	**0.65**	<0.20
Trichlorofluoromethane (FREON 11)	<0.50	-	-	<0.50	<0.50	<0.50	<0.50	-	-	-	<0.50	<0.50
Vinyl Chloride	**7.3**	-	-	**0.96**	**4**	**3.2**	**88**	-	-	-	<0.20	<0.20
p+m-Xylene	<0.20	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.20	<0.20
o-Xylene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes	<0.20	<0.40	<0.40	<0.20	<0.20	<0.20	<0.20	<0.40	<0.40	<0.40	<0.20	<0.20
Organchlorine Pesticides (OCPs)												
Hexachlorobenzene	-	-	-	<0.005	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)												
Total PCBs	-	-	-	<0.05	-	-	-	-	-	-	-	-

Sample ID	T. BLANK	MW24-1	MW25-1A	MW25-1B	MW25-2A	DUP 250416	MW25-2B	MW25-3	MW25-4A	MW25-4B	MW25-5	TRIP BLANK
Sample Date (yyyy-mm-dd)	2023-08-14	2024-01-25	2025-04-17	2025-04-21	2025-04-16	2025-04-16	2025-04-17	2025-04-23	2025-04-17	2025-04-21	2025-04-17	2025-04-17
Inorganics												
Dissolved Chloride (Cl-)	-	-	**2700000**	-	**2800000**	**2800000**	-	1100000	790000	-	**2000000**	-
WAD Cyanide (Free)	-	-	<1	-	<1	<1	-	-	<1	-	<1	-
pH	-	-	-	-	-	-	-	-	-	-	-	-
Metals and Hydride Forming Metals												
Dissolved Antimony (Sb)	-	-	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	-
Dissolved Arsenic (As)	-	-	<1.0	-	<1.0	<1.0	-	<1.0	1.7	-	<1.0	-
Dissolved Barium (Ba)	-	-	350	-	300	290	-	160	250	-	190	-
Dissolved Beryllium (Be)	-	-	<0.40	-	<0.40	<0.40	-	<0.40	<0.40	-	<0.40	-
Dissolved Boron (B)	-	-	150	-	220	220	-	1000	410	-	120	-
Dissolved Cadmium (Cd)	-	-	<0.090	-	<0.090	<0.090	-	<0.090	<0.090	-	<0.090	-
Dissolved Chromium (Cr)	-	-	<5.0	-	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	-
Chromium (VI)			<1.0	-	<1.0	<1.0	-	<0.50	<1.0	-	<1.0	-
Dissolved Cobalt (Co)	-	-	<0.50	-	0.85	0.99	-	1.9	0.52	-	<0.50	-
Dissolved Copper (Cu)	-	-	<0.90	-	1.9	0.97	-	1.1	<0.90	-	<0.90	-
Dissolved Lead (Pb)	-	-	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	-
Mercury (Hg)			<0.10	-	<0.10	<0.10	-	<0.10	<0.10	-	<0.10	-
Dissolved Molybdenum (Mo)	-	-	3.8	-	3.4	3.3	-	6.8	7.8	-	0.76	-
Dissolved Nickel (Ni)	-	-	4.4	-	8.8	8.8	-	11	3.2	-	<1.0	-
Dissolved Selenium (Se)	-	-	<2.0	-	<2.0	<2.0	-	<2.0	<2.0	-	<2.0	-
Dissolved Silver (Ag)	-	-	<0.090	-	<0.090	<0.090	-	<0.090	<0.090	-	<0.090	-
Dissolved Sodium (Na)	-	-	1700000	-	1700000	1700000	-	700000	600000	-	1200000	-
Dissolved Thallium (Tl)	-	-	<0.050	-	0.59	0.54	-	0.56	<0.050	-	<0.050	-
Dissolved Uranium (U)	-	-	1.6	-	1.5	1.5	-	1.8	1.8	-	0.28	-
Dissolved Vanadium (V)	-	-	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	-
Dissolved Zinc (Zn)	-	-	<5.0	-	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	-
Petroleum Hydrocarbons (PHCs)												
F1 (C6-C10) - BTEX	-	<25	58	<25	<25	<25	<25	<25	<25	<25	<25	-
F1 (C6-C10)	-	<25	59	<25	<25	<25	<25	<25	<25	<25	<25	-
F2 (C10-C16 Hydrocarbons)	-	<100	<90	<90	<90	<90	<90	<90	<90	<90	<90	-
F3 (C16-C34 Hydrocarbons)	-	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
F4 (C34-C50 Hydrocarbons)	-	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
Polycyclic Aromatic Hydrocarbons (PAHs)												
Acenaphthene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Acenaphthylene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Anthracene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Benzo(a)anthracene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Benzo(a)pyrene	-	-	<0.0090	<0.0090	<0.0090	<0.0090	-	<0.0090	<0.0090	-	-	-
Benzo(b/j)fluoranthene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Benzo(g,h,i)perylene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Benzo(k)fluoranthene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Chrysene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Dibenzo(a,h)anthracene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Fluoranthene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Fluorene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
1-Methylnaphthalene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
2-Methylnaphthalene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Methylnaphthalene, 2-(1-)	-	-	<0.071	<0.071	<0.071	<0.071	-	<0.071	<0.071	-	-	-
Naphthalene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Phenanthrene	-	-	<0.030	<0.030	<0.030	<0.030	-	<0.030	<0.030	-	-	-
Pyrene	-	-	<0.050	<0.050	<0.050	<0.050	-	<0.050	<0.050	-	-	-
Semi-Volatile Organic Compounds (SVOCs)												
Diethyl phthalate	-	-										
2,4-Dichlorophenol	-	-										
Bis(2-ethylhexyl)phthalate	-	-										
Volatile Organic Compounds (VOCs)												
Acetone (2-Propanone)	<10	<10	<10	<10	<10	<10	<10	<10	12	<10	<10	<10
Benzene	<0.20	0.39	0.57	<0.17	0.33	0.28	<0.17	<0.17	**0.91**	**0.65**	<0.17	<0.20
Bromodichloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	<0.19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.19
Chlorobenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,2-Dichlorobenzene	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40
1,3-Dichlorobenzene	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40
1,4-Dichlorobenzene	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40
Dichlorodifluoromethane (FREON 12)	<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-Dichloroethane	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	<0.49	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.49
1,1-Dichloroethylene	<0.20	<0.20	**0.61**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**0.62**	<0.20
cis-1,2-Dichloroethylene	<0.50	<0.50	**300**	**50**	**11**	**11**	**5.4**	<0.50	**210**	**24**	**390**	<0.50
trans-1,2-Dichloroethylene	<0.50	<0.50	**4.5**	0.93	1.1	0.97	1.1	<0.50	1.5	<0.50	**8.4**	<0.50
1,2-Dichloropropane	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
trans-1,3-Dichloropropene	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
1,3-Dichloropropene (cis+trans)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide	<0.19	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.19
Hexane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methylene Chloride(Dichloromethane)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methyl Ethyl Ketone (2-Butanone)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl Isobutyl Ketone	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl t-butyl ether (MTBE)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40
1,1,1,2-Tetrachloroethane	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,1,2,2-Tetrachloroethane	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40
Tetrachloroethylene	<0.20	<0.20	**120**	**2.2**	**39**	**31**	**17**	0.23	0.25	<0.20	**1.1**	<0.20
Toluene	<0.20	0.21	0.61	<0.20	0.21	<0.20	<0.20	<0.20	0.37	0.25	<0.20	<0.20
1,1,1-Trichloroethane	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane	<0.40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.40
Trichloroethylene	<0.20	<0.20	**98**	**4.9**	**25**	**23**	**5.3**	<0.20	**0.51**	0.47	**5.7**	<0.20
Trichlorofluoromethane (FREON 11)	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	<0.20	<0.20	**41**	**0.7**	0.22	<0.20	<0.20	<0.20	**60**	**5**	**95**	<0.20
p+m-Xylene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
o-Xylene	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Organchlorine Pesticides (OCPs)												
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-
Polychlorinated Biphenyls (PCBs)												
Total PCBs	-	-	-	-	-	-	-	-	-	-	-	-

Notes

MECP Table 7 SCS	Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition for all Types of Property Use, medium-fine textured soil, Ontario Ministry of the Environment "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the ENGironmental Protection Act" (MECP July 2011).
NG	No Guideline Available
-	Parameter Not Analyzed
<	Less Than Reportable Detection Limit
X	Exceeds MECP Table 7 SCS
F. Blank	Field Blank
T. Blank	Trip Blank

(1) Result reported was mainly due to chlorinated compounds eluting inside the F1 range.
(2) Conducted in Support of Evaluating Potential Discharge to Municipal Sewer System for Development Purposes Only.

Appendix C
Borehole Logs

ENGLOBE

Page 1 of 1

MW21-01

Englobe No.	02103035.000	Date	April 21, 2021
Client	Churchill Properties Inc.	Method	Hollow Stem Auger & Air Hammer
Project	Phase Two Environmental Site Assessment	Surface Elevation	75.37 m asl
Address	424 Churchill Avenue North, Ottawa, ON	Coordinates	5026693.517 m N,441011.962 m E

Depth (m)	Elevation (m)	Water level (mREL)	Well construction	Depth (m) / Elevation (m)	Symbol	Material Description	Sample #	Sample Type	'N' Value/RQD %	CCGD / PID Reading: CCGD	CCGD / PID Reading: PID	Analysis (Submitted for laboratory analysis): PAHs	PHCs	Metals	VOCs	pH	Remarks
				0		ASPHALT - (140 mm thickness)	GS1										
				0.1		FILL - Silty sand, trace gravel, loose, brown, damp											
0.5				0.5		SANDY SILT - trace gravel, compact, brown, damp	SS1		6	25 ppm	0 ppm						
1.0							SS2		50+	210 ppm	1 ppm		✓		✓		
1.5				1.2		BEDROCK - Borehole advanced into bedrock using Tri-cone air drilling methods (bedrock type and quality could not be confirmed)											
2.0																	
2.5																	
3.0																	
3.5																	
4.0																	
4.5																	
5.0																	
5.5																	
6.0																	
6.5		▼															Groundwater level at 6.46 mbgs on April 30, 2021.
7.0																	
7.5																	
8.0																	
8.5																	
9.0																	
9.5																	
10.0																	
10.5																	
11.0						End of Borehole at 11.1 m.											
11.5																	
12.0																	
12.5																	

MW21-02

Englobe No.	02103035.000	Date	April 21, 2021
Client	Churchill Properties Inc.	Method	Hollow Stem Auger & Diamond Coring
Project	Phase Two Environmental Site Assessment	Surface Elevation	75.53 m asl
Address	424 Churchill Avenue North, Ottawa, ON	Coordinates	5026686.879 m N, 441001.753 m E

Depth (m)	Elevation (m)	Water level (mREL)	Well construction	Depth (m) Elevation (m)	Symbol	Material Description	Sample #	Sample Type	'N' Value/RQD %	CCGD / PID Reading: CCGD	CCGD / PID Reading: PID	Analysis (Submitted for laboratory analysis): PAHs	PHCs	Metals	VOCs	pH	Remarks
0				0		ASPHALT - (120 mm thickness)	GS1										
				0.1		FILL - Sand, some gravel, compact, brown, damp												
0.5				0.5		SANDY SILT - trace gravel, compact, brown, damp,	SS1		11	360 ppm	1 ppm							
1.0							SS2		50+	710 ppm	3 ppm		✔		✔	✔	
				1		LIMESTONE - highly weathered and fractured, grey												
				1.4		Auger refusal encountered at 1.4 mbgs												
1.5						LIMESTONE - poor quality based on RQD, slightly weathered, strong, medium to thickly bedded	RC1		43									
2.0																	
2.5																	
3.0							RC2		37								
3.5																	
4.0				3.8		- 0.1m thick shale bed												
4.5				4.5		- fair quality based on RQD, fresh	RC3		68									
5.0																	
5.5																	
6.0				6.1		- excellent quality based on RQD												
6.5							RC4		93									Groundwater level at 6.80 mbgs on April 29, 2021.
7.0																		
7.5							RC5		92									
8.0																		
8.5																		
9.0				9		- fair quality based on RQD												
9.5							RC6		50									
10.0						End of Borehole at 10.0 m.												
10.5																		
11.0																		
11.5																		
12.0																		
12.5																		

Page 1 of 1

MW21-03

Englobe No.	02103035.000	Date	April 22, 2021
Client	Churchill Properties Inc.	Method	Hollow Stem Auger & Air Hammer
Project	Phase Two Environmental Site Assessment	Surface Elevation	75.353 m asl
Address	424 Churchill Avenue North, Ottawa, ON	Coordinates	5026664.437 m N, 440991.735 m E

Depth (m)	Elevation (m)	Water level (mREL)	Well construction	Depth (m) Elevation (m)	Symbol	Material Description	Sample #	Sample Type	'N' Value/RQD %	CCGD / PID Reading: CCGD	CCGD / PID Reading: PID	Analysis (Submitted for laboratory analysis): PAHs	PHCs	Metals	VOCs	pH	Remarks
0				0		ASPHALT - (140 mm thickness)	GS1										
0.5				0.1 0.3		FILL - Silty sand, trace gravel, brown, compact, damp SANDY SILT - trace gravel, brown, compact, damp	SS1		50+	5 ppm	0 ppm		✓		✓		
1.0				0.8		BEDROCK - Borehole advanced into bedrock using Tri-cone air drilling methods (bedrock type and quality could not be confirmed)											
1.5																	
2.0																	
2.5																	
3.0																	
3.5																	
4.0																	
4.5																	
5.0																	
5.5																	
6.0																	
6.5																	
7.0		▼															Groundwater level at 6.92 mbgs on April 30, 2021.
7.5																	
8.0																	
8.5																	
9.0																	
9.5																	
10.0																	
10.5																	
11.0																	
11.5																	
12.0																	
12.5						End of Borehole at 12.8 m.												

LOG OF BOREHOLE MW23-01

ENGLOBE REF. No.: **02103035.000**
CLIENT: **Churchill Properties Inc.**
PROJECT: **Phase Two Environmental Site Assessment**
LOCATION: **424 Churchill Ave. N, Ottawa**
SURFACE ELEV.: **75.27 metres**
**Elevations are not geodetic, for reference within this report only.*

Drilling Data
METHOD: **Hollow Stem Auger & Diamond Coring**
START DATE: **07/11/2023**
COMPLETION DATE: **7/11/2023**
COORDINATES: **5026692.732** m N, **441016.497** m E

DEPTH (m)	ELEV. (m)	Water Data	% MOISTURE (Wp, W, Wl; 20 40 60 80)	Symbol	MATERIAL DESCRIPTION	SAMPLE #	SAMPLE TYPE	'N' VALUE / RECOVERY %	Su (kPa) VANE ✖ PP ✳ (40 80 120 160); SPT (N) □ Blows/0.3m DCPT ◆ (20 40 60 80)	CHVC 1 (ppm)	CHVC 2 (ppm)	REMARKS & GRAINSIZE DISTRIBUTION (%) GR SA SI CL
0.0	75				**APPROX. 100mm THICK ASPHALT**	GS1		43 %				
					FILL- silty sand, some gravel, loose, brown, damp	SS1		73 83%				
1.0	74				**TILL-** silty sand, some gravel, loose, brown, damp Auger refusal at 0.8 mbgs, continue with rock coring	RC1		50%				RQD= 53%, SCR= 72%, TCR= 100%
2.0	73				**LIMESTONE-** fair quality, grey, weathered Becoming good quality	RC2		100%				RQD= 78%, SCR= 98%, TCR= 100%
3.0	72											
4.0	71					RC3		96%				RQD= 48%, SCR= 94%, TCR= 96%
5.0	70											
6.0	69	▽				RC4		100%				RQD= 86%, SCR= 93%, TCR= 100%
7.0	68					RC5		93%				RQD= 82%, SCR= 92%, TCR= 93%
8.0	67											
9.0	66					RC6		87%				RQD= 69%, SCR= 87%, TCR= 87%
10.0	65				Becoming fair quality							RQD= 71%, SCR= 88%, TCR= 98%
11.0	64					RC7		98%				
12.0	63					RC8		100%				RQD= 89%, SCR= 94%, TCR= 100%
												RQD= 72%,

BOREHOLE (THUNDER BAY) 02103035.000-424 CHURCHILL AVE N.GPJ DATA TEMPLATE.GDT 8/28/23

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PH: 1-877-300-4800
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Web: www.englobecorp.com

SAMPLE TYPE LEGEND
- Auger Sample
- Split Spoon Sample
- Bulk Sample
- Rock Core
- Core Sample
- Shelby Tube

WELL LEGEND
- Bentonite
- Sand
- Screen

✖[3] Numbers refers to Sensitivity
PP: Pocket Penetrometer
CHVC: Combustable Headspace Vapor Concentration
NFP: No Further Penetration

LOG OF BOREHOLE MW23-01

ENGLOBE REF. No.: **02103035.000**
CLIENT: **Churchill Properties Inc.**
PROJECT: **Phase Two Environmental Site Assessment**
LOCATION: **424 Churchill Ave. N, Ottawa**
SURFACE ELEV.: **75.27 metres**
**Elevations are not geodetic, for reference within this report only.*

Drilling Data
METHOD: **Hollow Stem Auger & Diamond Coring**
START DATE: **07/11/2023**
COMPLETION DATE: **7/11/2023**
COORDINATES: **5026692.732** m N, **441016.497** m E

DEPTH (m)	ELEV. (m)	Water Data	% MOISTURE W_p W W_l (20 40 60 80)	Symbol	MATERIAL DESCRIPTION	SAMPLE #	SAMPLE TYPE	'N' VALUE / RECOVERY %	Su (kPa) VANE ✖ PP ✳ (40 80 120 160) SPT (N) □ Blows/0.3m DCPT ◆ (20 40 60 80)	CHVC 1 (ppm)	CHVC 2 (ppm)	REMARKS & GRAINSIZE DISTRIBUTION (%) GR SA SI CL
	62											SCR= 85%, TCR= 100%
14.0	61				Becoming excellent quality	RC9		100%				RQD= 100%, SCR= 100%, TCR= 100%
15.0	60					RC10		100%				
16.0	59					RC11		100%				RQD= 72%, SCR= 81%, TCR= 100%
17.0	58				End of borehole at approximately 16.8 mbgs (~Elev. 58.7 masl) in limestone.							
18.0	57				Water level measured in monitoring well was approximatley 5.9 mbgs (~Elev. 69.4 masl) on August 14, 2023.							
19.0	56											
20.0	55											
21.0	54											
22.0	53											
23.0	52											
24.0	51											
25.0	50											

BOREHOLE (THUNDER BAY) 02103035.000-424 CHURCHILL AVE N.GPJ DATA TEMPLATE.GDT 8/28/23

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NFP: No Further Penetration

LOG OF BOREHOLE MW23-02

ENGLOBE REF. No.: **02103035.000**
CLIENT: **Churchill Properties Inc.**
PROJECT: **Phase Two Environmental Site Assessment**
LOCATION: **424 Churchill Ave. N, Ottawa**
SURFACE ELEV.: **73.57 metres**
**Elevations are not geodetic, for reference within this report only.*

Drilling Data
METHOD: **Hollow Stem Auger & Diamond Coring**
START DATE: **07/19/2023**
COMPLETION DATE: **7/19/2023**
COORDINATES: **5026684.758** m N, **441023.163** m E

DEPTH (m)	ELEV. (m)	Water Data	% MOISTURE (W_p — W — W_l)	Symbol	MATERIAL DESCRIPTION	SAMPLE #	SAMPLE TYPE	'N' VALUE / RECOVERY %	Su (kPa) VANE ✖ PP ✳ / SPT (N) □ Blows/0.3m DCPT ◆	CHVC 1 (ppm)	CHVC 2 (ppm)	REMARKS & GRAINSIZE DISTRIBUTION (%) GR SA SI CL
0.0	73.57				**APPROX. 25mm THICK CONCRETE SLAB**							
0.1	73.47				**FILL-** sand and gravel, loose, brown, damp Auger refusal at 0.1 mbgs, continue with rock coring							
1.0	72.57				**BEDROCK**							
2.0	71.57											
3.0	70.57											
4.0	69.57	▽										
5.0	68.57											
6.0	67.57											
7.0	66.57											
8.0	65.57											
9.0	64.57											
9.2	64.37				End of borehole at approximately 9.2mbgs (~Elev. 64.4 masl) in bedrock. Water level measured in monitoring well was approximatley 3.9mbgs (~Elev. 69.8masl) on August 14, 2023.							
10.0	63.57											
11.0	62.57											
12.0	61.57											

BOREHOLE (THUNDER BAY) 02103035.000-424 CHURCHILL AVE N.GPJ DATA TEMPLATE.GDT 8/28/23

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NFP: No Further Penetration

LOG OF BOREHOLE MW23-03

ENGLOBE REF. No.: **02103035.000**
CLIENT: **Churchill Properties Inc.**
PROJECT: **Phase Two Environmental Site Assessment**
LOCATION: **424 Churchill Ave. N, Ottawa**
SURFACE ELEV.: **75.92 metres**
**Elevations are not geodetic, for reference within this report only.*

Drilling Data
METHOD: **Hollow Stem Auger & Diamond Coring**
START DATE: **07/20/2023**
COMPLETION DATE: **7/20/2023**
COORDINATES: **5026673.617** m N, **440996.601** m E

DEPTH (m)	ELEV. (m)	Water Data	% MOISTURE W_p W W_l (20 40 60 80)	Symbol	MATERIAL DESCRIPTION	SAMPLE #	SAMPLE TYPE	'N' VALUE / RECOVERY %	Su (kPa) VANE ✖ PP ✳ (40 80 120 160) SPT (N) □ DCPT ◆ Blows/0.3m (20 40 60 80)	CHVC 1 (ppm)	CHVC 2 (ppm)	REMARKS & GRAINSIZE DISTRIBUTION (%) GR SA SI CL
0.0	75.92				**APPROX. 152 mm THICK CONCRETE SLAB**	SS1		100%				
					FILL- gravel base layer followed by SAND, brown, damp	SS2		100%				
1.0	75				Auger refusal at 0.8mbgs, continue with rock coring **BEDROCK**							
2.0	74											
3.0	73											
4.0	72											
5.0	71											
6.0	70											
7.0	69											
8.0	68											
9.0	67				End of borehole at approximately 9.2mbgs (~Elev. 66.7 masl) in Bedrock. Water level measured in monitoring well was approximatley 6.2mbgs (~Elev. 69.7masl) on August 14, 2023.							
10.0	66											
11.0	65											
12.0	64											
	63											

BOREHOLE (THUNDER BAY) 02103035.000-424 CHURCHILL AVE N.GPJ DATA TEMPLATE.GDT 8/28/23

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CHVC: Combustable Headspace Vapor Concentration
NFP: No Further Penetration

LOG OF BOREHOLE MW23-04

ENGLOBE REF. No.: **02103035.000**
CLIENT: **Churchill Properties Inc.**
PROJECT: **Phase Two Environmental Site Assessment**
LOCATION: **424 Churchill Ave. N, Ottawa**
SURFACE ELEV.: **75.77 metres**
**Elevations are not geodetic, for reference within this report only.*

Drilling Data
METHOD: **Direct Push & Air Hammer**
START DATE: **07/12/2023**
COMPLETION DATE: **7/12/2023**
COORDINATES: **5026672.722** m N, **441014.891** m E

DEPTH (m)	ELEV. (m)	Water Data	% MOISTURE W_p W W_l (20 40 60 80)	Symbol	MATERIAL DESCRIPTION	SAMPLE #	SAMPLE TYPE	'N' VALUE / RECOVERY %	Su (kPa) VANE ✖ PP ✳ (40 80 120 160) SPT (N) □ Blows/0.3m DCPT ◆ (20 40 60 80)	CHVC 1 (ppm)	CHVC 2 (ppm)	REMARKS & GRAINSIZE DISTRIBUTION (%) GR SA SI CL
0	75.77				**FILL-** sand, trace gravel, brown, damp Auger refusal at 0.2mbgs, continue with air hammering	SS1		50%				
1.0	75				**BEDROCK**							
2.0	74											
3.0	73											
4.0	72											
5.0	71											
6.0	70											
7.0	69											
8.0	68				End of borehole at approximately 8.2mbgs (~Elev. 67.6 masl) in Bedrock. Water level measured in monitoring well was approximatley 5.9mbgs (~Elev. 69.8masl) on August 14, 2023.							
9.0	67											
10.0	66											
11.0	65											
12.0	64											
	63											

BOREHOLE (THUNDER BAY) 02103035.000-424 CHURCHILL AVE N.GPJ DATA TEMPLATE.GDT 8/28/23

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PP: Pocket Penetrometer
CHVC: Combustable Headspace Vapor Concentration
NFP: No Further Penetration

MW24-1

Project No.	02103035.000	Date	January 8, 2024
Client	Churchill Properties Inc.	Method	Direct Push / Air Hammer
Project	Phase Two Environmental Site Assessment	Surface Elevation	75.268
Address	424 Churchill Ave North, Ottawa, ON	Coordinates	441012.47 m N, 5026689.78 m E

Depth (m)	Elevation (m rab)	Water level (m)	Well construction	Depth (m) Elevation (m rab)	Symbol	Material Description	Sample #	Sample Type	% Sample Recov.	CHVC / PID HEX	CHVC / PID ISO	Analysis PAHs	Analysis PHCs	Analysis Metals	Analysis VOCs	Analysis Others	Remarks
				0		ASPHALT	1		100								
				0.1		SILTY SAND - some gravel, yellowish brown, damp											Air Hammer due to refusal
				0.45		BEDROCK											
																	Groundwater level at 11.44 mbgs on January 24, 2024.
						End of Borehole at 30.50 m.											

Surface Elevation

Analysis: Submitted for laboratory analysis

Template: DST - ENVIRONMENTAL LOG SHEET A1 Date: February 12, 2024
File: Y:\SHARED\CA\OTTAWA\DEPARTMENT\TS\CAD\PROJECTS\VANTAGE POINT\02103035.000 424 CHURCHILL\GINT FILES\02103035 CHURCHILL AVE N 2024.GPJ Library: Y:\SHARED\CA\OTTAWA\DEPARTMENT\TS\CAD\PROJECTS\VANTAGE POINT\02103035.000 424 CHURCHILL\GINT FILES\02103035 CHURCHILL AVE N 2024 LIB.GLB

LOG OF BHMW25-1A and BHMW25-1B

Project No.	: 02103035	Client	: Churchill Properties Inc.	Originated by	: AQ
Date started	: March 26, 2025	Project	: 424 Churchill Ave North	Compiled by	: AG
Sheet No.	: 1 of 1	Location	: 424 Churchill Ave North	Checked by	: AG

Position : E: 441022, N: 5026696 (UTM 17T) Elevation Datum : Geodetic

Rig type : LAR drill rig w/ 70lb hammer Drilling Method :

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value
0	74.9	**GROUND SURFACE**				
		100mm **ASPHALTIC CONCRETE**		1	SS	
	74.2	Sandy, trace gravel, black / grey				
	0.7	...sandy silt, boulder & gravel, beige				
		BEDROCK				
16	58.7					
	16.2	**END OF BOREHOLE**				

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

Undrained Shear Strength (kPa): ○ Unconfined ✚ Field Vane ● Pocket Penetrometer ■ Lab Vane 40 80 120 160

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

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

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

SS1 Analysis: Metals, PAH, VOC, PHC

Air Hammer due to refusal

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

W1 WATER LEVELS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	4.8	70.2

W2 WATER LEVELS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	11.5	63.4

file: 02103035 churchill ave n 2025 2025-05-07 kc.gpj

LOG OF BHMW25-2A and BHMW25-2B

Project No.	: 02103035	Client	: Churchill Properties Inc.	Originated by	: AQ
Date started	: March 27, 2025	Project	: 424 Churchill Ave North	Compiled by	: AG
Sheet No.	: 1 of 1	Location	: 424 Churchill Ave North	Checked by	: AG

Position : E: 441024, N: 5026675 (UTM 17T) Elevation Datum : Geodetic

Rig type : LAR drill rig w/ 70lb hammer Drilling Method :

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value
0	75.9	**GROUND SURFACE**				
		100mm **ASPHALTIC CONCRETE**		1	SS	
	75.2	Sandy, trace gravel, brown / dark brown				
1	0.7	...silty sand, trace gravel, light brown				
		BEDROCK				
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14	61.0					

Elevation Scale (m): 75, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61

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

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

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

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

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

SS1 Analysis: Metals, PAH, VOC, PHC

END OF BOREHOLE

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

W1 WATER LEVELS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	5.6	70.3

W2 WATER LEVELS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	6.9	69.1

file: 02103035 churchill ave n 2025 2025-05-07 kc.gpj

LOG OF BHMW25-3

Project No.	: 02103035	Client	: Churchill Properties Inc.	Originated by	: AQ
Date started	: March 27, 2025	Project	: 424 Churchill Ave North	Compiled by	: AG
Sheet No.	: 1 of 1	Location	: 424 Churchill Ave North	Checked by	: AG

Position : E: 440991, N: 5026660 (UTM 17T) Elevation Datum : Geodetic

Rig type : LAR drill rig w/ 70lb hammer Drilling Method :

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value
0	75.2	**GROUND SURFACE**				
		100mm **ASPHALTIC CONCRETE**		1	SS	
	74.5	Sandy, trace gravel, trace silt, trace organics, brown / black				
1	0.7	...silty sand, orange bricks, big stones, trace gravel, brown				
		BEDROCK				
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14	60.4					
	14.8	**END OF BOREHOLE**				

Elevation Scale (m): 75, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61

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

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

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

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

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

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	8.6	66.6

file: 02103035 churchill ave n 2025 2025-05-07 kc.gpj

LOG OF BHMW25-4A and BHMW25-4B

Project No.	: 02103035	Client	: Churchill Properties Inc.	Originated by	: AQ
Date started	: March 27, 2025	Project	: 424 Churchill Ave North	Compiled by	: AG
Sheet No.	: 1 of 1	Location	: 424 Churchill Ave North	Checked by	: AG

Position : E: 441010, N: 5026695 (UTM 17T) Elevation Datum : Geodetic

Rig type : LAR drill rig w/ 70lb hammer Drilling Method :

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Number	Type	SPT 'N' Value
0	75.4	**GROUND SURFACE**				
		100mm **ASPHALTIC CONCRETE**		1	SS	
		Silty sand, trace gravel, black / brown				
1	74.6	Silt, trace clay, trace gravel, brownish orange, moist				
	0.8	**BEDROCK**				
14	60.5					

Elevation Scale (m): 75, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61

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

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

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

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

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

SS1 Analysis: Metals, PAH, VOC, PHC

END OF BOREHOLE

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

W1 WATER LEVELS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	5.5	69.9

W2 WATER LEVELS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	13.6	61.7

file: 02103035 churchill ave n 2025 2025-05-07 kc.gpj

LOG OF BHMW25-5

Project No.	: 02103035	Client	: Churchill Properties Inc.	Originated by	: AQ
Date started	: March 26, 2025	Project	: 424 Churchill Ave North	Compiled by	: AG
Sheet No.	: 1 of 1	Location	: 424 Churchill Ave North	Checked by	: AG

Position : E: 440994, N: 5026679 (UTM 17T) Elevation Datum : Geodetic

Rig type : LAR drill rig w/ 70lb hammer Drilling Method :

Depth Scale (m)	Elev Depth (m)	Description	Graphic Log	Sample Number	Sample Type	SPT 'N' Value
0	75.5	**GROUND SURFACE**				
	75.1	100mm **ASPHALTIC CONCRETE**		1	SS	
	0.4	Silty, trace sand, trace gravel, trace stone, brown				
	74.9					
1	0.6	Silty sand, trace clay, brown/orange, moist				
	74.8					
	0.7	Boulders, trace sand, white ashy				
2		**BEDROCK**				
3						
4						
5						
6						
7						
8						
9						
10	65.4					
	10.1	**END OF BOREHOLE**				

Elevation Scale (m): 75, 74, 73, 72, 71, 70, 69, 68, 67, 66

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

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

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

Headspace Vapour (ppm)

Instrument Details

Unstabilized Water Level

Lab Data and Comments

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

SS1 Analysis: Metals, PAH, VOC, PHC

Borehole was dry and open upon completion of drilling.

50 mm dia. monitoring well installed.

WATER LEVEL READINGS

Date	Water Depth (m)	Elevation (m)
Apr 1, 2025	5.6	70.0

file: 02103035 churchill ave n 2025 2025-05-07 kc.gpj

Appendix D
Laboratory Certificates of Analysis

ENGLOBE

Your Project #: 2103035
Your C.O.C. #: 157066

Attention: Salim Eid

DST Consulting Engineers Inc
Ottawa - Standing Offer
2150 Thurston Dr
Unit 203
Ottawa, ON
CANADA K1G 5T9

Report Date: 2021/05/03
Report #: R6618976
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1B1260
Received: 2021/04/26, 15:05

Sample Matrix: Soil
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum (1)	3	N/A	2021/05/03		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Soil (1, 2)	3	2021/04/28	2021/04/29	CAM SOP-00316	CCME CWS m
F4G (CCME Hydrocarbons Gravimetric) (1)	1	2021/04/30	2021/04/30	CAM SOP-00316	CCME PHC-CWS m
Moisture (1)	3	N/A	2021/04/27	CAM SOP-00445	Carter 2nd ed 51.2 m
pH CaCl2 EXTRACT (1)	1	2021/04/29	2021/04/29	CAM SOP-00413	EPA 9045 D m
Volatile Organic Compounds and F1 PHCs (1)	3	N/A	2021/05/01	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Laboratories Mississauga
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1

Your Project #: 2103035
Your C.O.C. #: 157066

Attention: Salim Eid

DST Consulting Engineers Inc
Ottawa - Standing Offer
2150 Thurston Dr
Unit 203
Ottawa, ON
CANADA K1G 5T9

Report Date: 2021/05/03
Report #: R6618976
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1B1260
Received: 2021/04/26, 15:05

Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Bureau Veritas
03 May 2021 12:45:11

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
==========
This report has been generated and distributed using a secure automated process.
BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

BV Labs ID		PKN585	PKN586	PKN587		
Sampling Date		2021/04/21	2021/04/21	2021/04/22		
COC Number		157066	157066	157066		
	UNITS	MW21-1,SS2	MW21-2,SS2	MW21-3,SS1	RDL	QC Batch
Inorganics						
Moisture	%	14	8.8	3.5	1.0	7321314
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	<0.050	0.050	7320252
Volatile Organics						
Acetone (2-Propanone)	ug/g	<0.50	<0.50	<0.50	0.50	7324273
Benzene	ug/g	<0.020	<0.020	<0.020	0.020	7324273
Bromodichloromethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Bromoform	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Bromomethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Carbon Tetrachloride	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Chlorobenzene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Chloroform	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Dibromochloromethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,2-Dichlorobenzene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,3-Dichlorobenzene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,4-Dichlorobenzene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Dichlorodifluoromethane (FREON 12)	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,1-Dichloroethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,2-Dichloroethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,1-Dichloroethylene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
cis-1,2-Dichloroethylene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
trans-1,2-Dichloroethylene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,2-Dichloropropane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	<0.030	0.030	7324273
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	<0.040	0.040	7324273
Ethylbenzene	ug/g	<0.020	<0.020	<0.020	0.020	7324273
Ethylene Dibromide	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Hexane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Methylene Chloride(Dichloromethane)	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.50	<0.50	<0.50	0.50	7324273
Methyl Isobutyl Ketone	ug/g	<0.50	<0.50	<0.50	0.50	7324273
Methyl t-butyl ether (MTBE)	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Styrene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,1,1,2-Tetrachloroethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,1,2,2-Tetrachloroethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Tetrachloroethylene	ug/g	0.72	0.27	0.32	0.050	7324273

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

BV Labs ID		PKN585	PKN586	PKN587		
Sampling Date		2021/04/21	2021/04/21	2021/04/22		
COC Number		157066	157066	157066		
	UNITS	MW21-1,SS2	MW21-2,SS2	MW21-3,SS1	RDL	QC Batch
Toluene	ug/g	<0.020	<0.020	<0.020	0.020	7324273
1,1,1-Trichloroethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
1,1,2-Trichloroethane	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Trichloroethylene	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Trichlorofluoromethane (FREON 11)	ug/g	<0.050	<0.050	<0.050	0.050	7324273
Vinyl Chloride	ug/g	<0.020	<0.020	<0.020	0.020	7324273
p+m-Xylene	ug/g	<0.020	<0.020	<0.020	0.020	7324273
o-Xylene	ug/g	<0.020	<0.020	<0.020	0.020	7324273
Total Xylenes	ug/g	<0.020	<0.020	<0.020	0.020	7324273
F1 (C6-C10)	ug/g	<10	<10	<10	10	7324273
F1 (C6-C10) - BTEX	ug/g	<10	<10	<10	10	7324273
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	<10	10	7322590
F3 (C16-C34 Hydrocarbons)	ug/g	<50	100	<50	50	7322590
F4 (C34-C50 Hydrocarbons)	ug/g	<50	290	95	50	7322590
Reached Baseline at C50	ug/g	Yes	No	Yes		7322590
Surrogate Recovery (%)						
o-Terphenyl	%	84	91	93		7322590
4-Bromofluorobenzene	%	90	91	91		7324273
D10-o-Xylene	%	81	82	84		7324273
D4-1,2-Dichloroethane	%	115	115	115		7324273
D8-Toluene	%	98	98	98		7324273

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

RESULTS OF ANALYSES OF SOIL

BV Labs ID		PKN586	
Sampling Date		2021/04/21	
COC Number		157066	
	UNITS	MW21-2,SS2	QC Batch
Inorganics			
Available (CaCl2) pH	pH	7.86	7325030
QC Batch = Quality Control Batch			

Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

PETROLEUM HYDROCARBONS (CCME)

BV Labs ID		PKN586		
Sampling Date		2021/04/21		
COC Number		157066		
	UNITS	MW21-2,SS2	RDL	QC Batch
F2-F4 Hydrocarbons				
F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	1100	100	7327230

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

TEST SUMMARY

BV Labs ID: PKN585
Sample ID: MW21-1,SS2
Matrix: Soil

Collected: 2021/04/21
Shipped:
Received: 2021/04/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7320252	N/A	2021/05/03	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7322590	2021/04/28	2021/04/29	Anna Stuglik Rolland
Moisture	BAL	7321314	N/A	2021/04/27	Manpreet Kaur
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7324273	N/A	2021/05/01	Rebecca McClean

BV Labs ID: PKN586
Sample ID: MW21-2,SS2
Matrix: Soil

Collected: 2021/04/21
Shipped:
Received: 2021/04/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7320252	N/A	2021/05/03	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7322590	2021/04/28	2021/04/29	Anna Stuglik Rolland
F4G (CCME Hydrocarbons Gravimetric)	BAL	7327230	2021/04/30	2021/04/30	Rashmi Dubey
Moisture	BAL	7321314	N/A	2021/04/27	Manpreet Kaur
pH CaCl2 EXTRACT	AT	7325030	2021/04/29	2021/04/29	Surinder Rai
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7324273	N/A	2021/05/01	Rebecca McClean

BV Labs ID: PKN587
Sample ID: MW21-3,SS1
Matrix: Soil

Collected: 2021/04/22
Shipped:
Received: 2021/04/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7320252	N/A	2021/05/03	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7322590	2021/04/28	2021/04/29	Anna Stuglik Rolland
Moisture	BAL	7321314	N/A	2021/04/27	Manpreet Kaur
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7324273	N/A	2021/05/01	Rebecca McClean

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.7°C

Results relate only to the items tested.

Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

BV Labs Job #: C1B1260
Report Date: 2021/05/03

QUALITY ASSURANCE REPORT

DST Consulting Engineers Inc
Client Project #: 2103035
Sampler Initials: CF

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7322590	o-Terphenyl	2021/04/28	98	60 - 130	98	60 - 130	96	%		
7324273	4-Bromofluorobenzene	2021/05/01	98	60 - 140	98	60 - 140	95	%		
7324273	D10-o-Xylene	2021/05/01	87	60 - 130	95	60 - 130	72	%		
7324273	D4-1,2-Dichloroethane	2021/05/01	114	60 - 140	110	60 - 140	116	%		
7324273	D8-Toluene	2021/05/01	104	60 - 140	103	60 - 140	95	%		
7321314	Moisture	2021/04/27							4.3	20
7322590	F2 (C10-C16 Hydrocarbons)	2021/04/28	101	50 - 130	101	80 - 120	<10	ug/g	NC	30
7322590	F3 (C16-C34 Hydrocarbons)	2021/04/28	100	50 - 130	100	80 - 120	<50	ug/g	NC	30
7322590	F4 (C34-C50 Hydrocarbons)	2021/04/28	101	50 - 130	101	80 - 120	<50	ug/g	NC	30
7324273	1,1,1,2-Tetrachloroethane	2021/05/01	105	60 - 140	97	60 - 130	<0.050	ug/g	NC	50
7324273	1,1,1-Trichloroethane	2021/05/01	102	60 - 140	101	60 - 130	<0.050	ug/g	NC	50
7324273	1,1,2,2-Tetrachloroethane	2021/05/01	109	60 - 140	97	60 - 130	<0.050	ug/g	NC	50
7324273	1,1,2-Trichloroethane	2021/05/01	118	60 - 140	105	60 - 130	<0.050	ug/g	NC	50
7324273	1,1-Dichloroethane	2021/05/01	109	60 - 140	103	60 - 130	<0.050	ug/g	NC	50
7324273	1,1-Dichloroethylene	2021/05/01	110	60 - 140	106	60 - 130	<0.050	ug/g	NC	50
7324273	1,2-Dichlorobenzene	2021/05/01	97	60 - 140	89	60 - 130	<0.050	ug/g	NC	50
7324273	1,2-Dichloroethane	2021/05/01	111	60 - 140	102	60 - 130	<0.050	ug/g	NC	50
7324273	1,2-Dichloropropane	2021/05/01	111	60 - 140	104	60 - 130	<0.050	ug/g	NC	50
7324273	1,3-Dichlorobenzene	2021/05/01	98	60 - 140	90	60 - 130	<0.050	ug/g	NC	50
7324273	1,4-Dichlorobenzene	2021/05/01	112	60 - 140	103	60 - 130	<0.050	ug/g	NC	50
7324273	Acetone (2-Propanone)	2021/05/01	120	60 - 140	110	60 - 140	<0.50	ug/g	NC	50
7324273	Benzene	2021/05/01	102	60 - 140	97	60 - 130	<0.020	ug/g	NC	50
7324273	Bromodichloromethane	2021/05/01	110	60 - 140	102	60 - 130	<0.050	ug/g	NC	50
7324273	Bromoform	2021/05/01	106	60 - 140	94	60 - 130	<0.050	ug/g	NC	50
7324273	Bromomethane	2021/05/01	103	60 - 140	96	60 - 140	<0.050	ug/g	NC	50
7324273	Carbon Tetrachloride	2021/05/01	99	60 - 140	99	60 - 130	<0.050	ug/g	NC	50
7324273	Chlorobenzene	2021/05/01	98	60 - 140	90	60 - 130	<0.050	ug/g	NC	50
7324273	Chloroform	2021/05/01	107	60 - 140	102	60 - 130	<0.050	ug/g	NC	50
7324273	cis-1,2-Dichloroethylene	2021/05/01	104	60 - 140	98	60 - 130	<0.050	ug/g	NC	50
7324273	cis-1,3-Dichloropropene	2021/05/01	102	60 - 140	93	60 - 130	<0.030	ug/g	NC	50
7324273	Dibromochloromethane	2021/05/01	105	60 - 140	94	60 - 130	<0.050	ug/g	NC	50
7324273	Dichlorodifluoromethane (FREON 12)	2021/05/01	92	60 - 140	87	60 - 140	<0.050	ug/g	NC	50

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7324273	Ethylbenzene	2021/05/01	92	60 - 140	87	60 - 130	<0.020	ug/g	NC	50
7324273	Ethylene Dibromide	2021/05/01	104	60 - 140	92	60 - 130	<0.050	ug/g	NC	50
7324273	F1 (C6-C10) - BTEX	2021/05/01					<10	ug/g	NC	30
7324273	F1 (C6-C10)	2021/05/01	74	60 - 140	92	80 - 120	<10	ug/g	NC	30
7324273	Hexane	2021/05/01	114	60 - 140	110	60 - 130	<0.050	ug/g	NC	50
7324273	Methyl Ethyl Ketone (2-Butanone)	2021/05/01	130	60 - 140	116	60 - 140	<0.50	ug/g	NC	50
7324273	Methyl Isobutyl Ketone	2021/05/01	129	60 - 140	113	60 - 130	<0.50	ug/g	NC	50
7324273	Methyl t-butyl ether (MTBE)	2021/05/01	99	60 - 140	92	60 - 130	<0.050	ug/g	NC	50
7324273	Methylene Chloride(Dichloromethane)	2021/05/01	115	60 - 140	107	60 - 130	<0.050	ug/g	NC	50
7324273	o-Xylene	2021/05/01	94	60 - 140	89	60 - 130	<0.020	ug/g	NC	50
7324273	p+m-Xylene	2021/05/01	96	60 - 140	91	60 - 130	<0.020	ug/g	NC	50
7324273	Styrene	2021/05/01	107	60 - 140	99	60 - 130	<0.050	ug/g	NC	50
7324273	Tetrachloroethylene	2021/05/01	91	60 - 140	87	60 - 130	<0.050	ug/g	NC	50
7324273	Toluene	2021/05/01	97	60 - 140	91	60 - 130	<0.020	ug/g	NC	50
7324273	Total Xylenes	2021/05/01					<0.020	ug/g	NC	50
7324273	trans-1,2-Dichloroethylene	2021/05/01	104	60 - 140	99	60 - 130	<0.050	ug/g	NC	50
7324273	trans-1,3-Dichloropropene	2021/05/01	112	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
7324273	Trichloroethylene	2021/05/01	102	60 - 140	98	60 - 130	<0.050	ug/g	NC	50
7324273	Trichlorofluoromethane (FREON 11)	2021/05/01	101	60 - 140	99	60 - 130	<0.050	ug/g	NC	50
7324273	Vinyl Chloride	2021/05/01	115	60 - 140	110	60 - 130	<0.020	ug/g	NC	50
7325030	Available (CaCl2) pH	2021/04/29			100	97 - 103			0.38	N/A
7327230	F4G-sg (Grav. Heavy Hydrocarbons)	2021/04/30	94	65 - 135	102	65 - 135	<100	ug/g	8.7	50

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

BV Labs Job #: C1B1260
Report Date: 2021/05/03

DST Consulting Engineers Inc
Client Project #: 2103035
Sampler Initials: CF

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

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Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD 157066

Page 1 of 1

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required
Company Name:	DST Group	Company Name:		Quotation #:		[X] Regular TAT (5-7 days) Most analyses
Contact Name:	Salim Eid	Contact Name:		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	2150 Thurston Dr.	Address:		Project #:	2103035	Rush TAT (Surcharges will be applied)
				Site Location:	[illegible]	[ ] 1 Day [ ] 2 Days [ ] 3-4 Days
Phone:	613-402-0393	Phone:	Fax:	Site #:		
Email:	seid@dstgroup.com	Email:	ntilbert@dstgroup.com	Site Location Province:	ON	Date Required:
				Sampled By:	CF	Rush Confirmation #:

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY

Regulation 153: [X] Table 1 [ ] Res/Park [ ] Med/Fine [ ] Table 2 [ ] Ind/Comm [ ] Coarse [ ] Table 3 [ ] Agri/Other [ ] Table ___

FOR RSC (PLEASE CIRCLE) Y / N

Other Regulations: [ ] CCME [ ] Sanitary Sewer Bylaw [ ] MISA [ ] Storm Sewer Bylaw [ ] PWQO Region ___ [ ] Other (Specify) [ ] REG 558 (MIN. 3 DAY TAT REQUIRED) [ ] REG 406 Table ___

Include Criteria on Certificate of Analysis: Y / N

SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

Analysis Requested

#	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	pH	HOLD- DO NOT ANALYZE
1	MW21-1, 552	2021/04/21		GW	3		X	X	X					
2	MW21-2, 552	↓		↓	3		X	X	X				X	
3	MW21-3, 551	2021/04/22		↓	3		X	X	X					
4														
5														
6														
7														
8														
9														
10														

RECEIVED IN OTTAWA

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
✓	✓	5, 4, 5
		7, 6, 6

COOLING MEDIA PRESENT: (Y) / N — on ice

COMMENTS

ON Ice

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)
[signature]	2021/05/26	[illegible]	[signature]	2021/04/26	15:05
		1500	[signature]	2021/04/27	08:00

26-Apr-21 15:05
Katherine Szozda
C1B1260
GK1 ENV-584

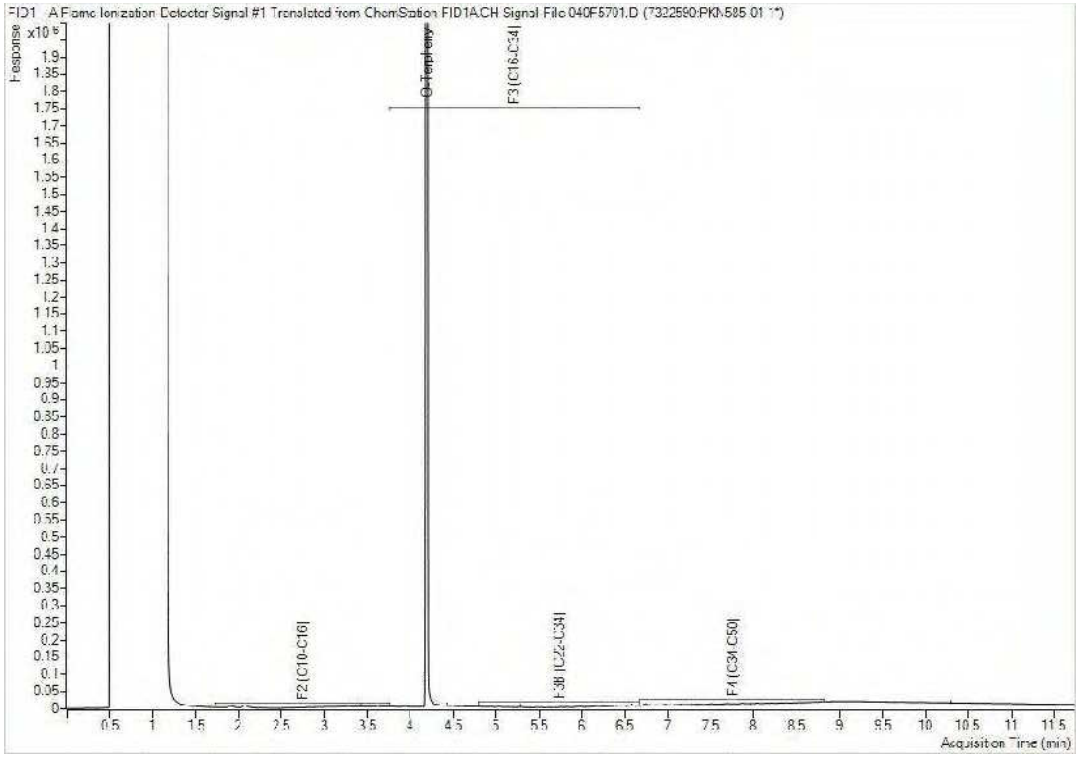
Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance ... and-conditions

COC-1004 (06/19)

BV Labs Job #: C1B1260
Report Date: 2021/05/03
BV Labs Sample: PKN585

DST Consulting Engineers Inc
Client Project #: 2103035
Client ID: MW21-1,SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

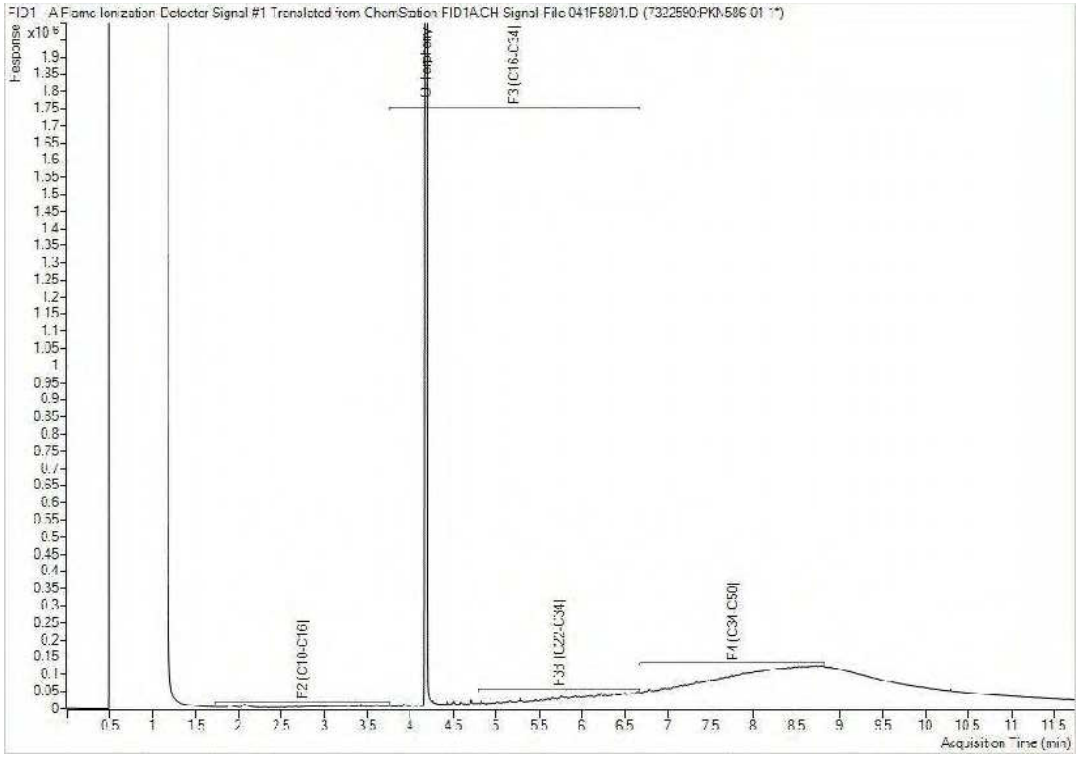


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

BV Labs Job #: C1B1260
Report Date: 2021/05/03
BV Labs Sample: PKN586

DST Consulting Engineers Inc
Client Project #: 2103035
Client ID: MW21-2,SS2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

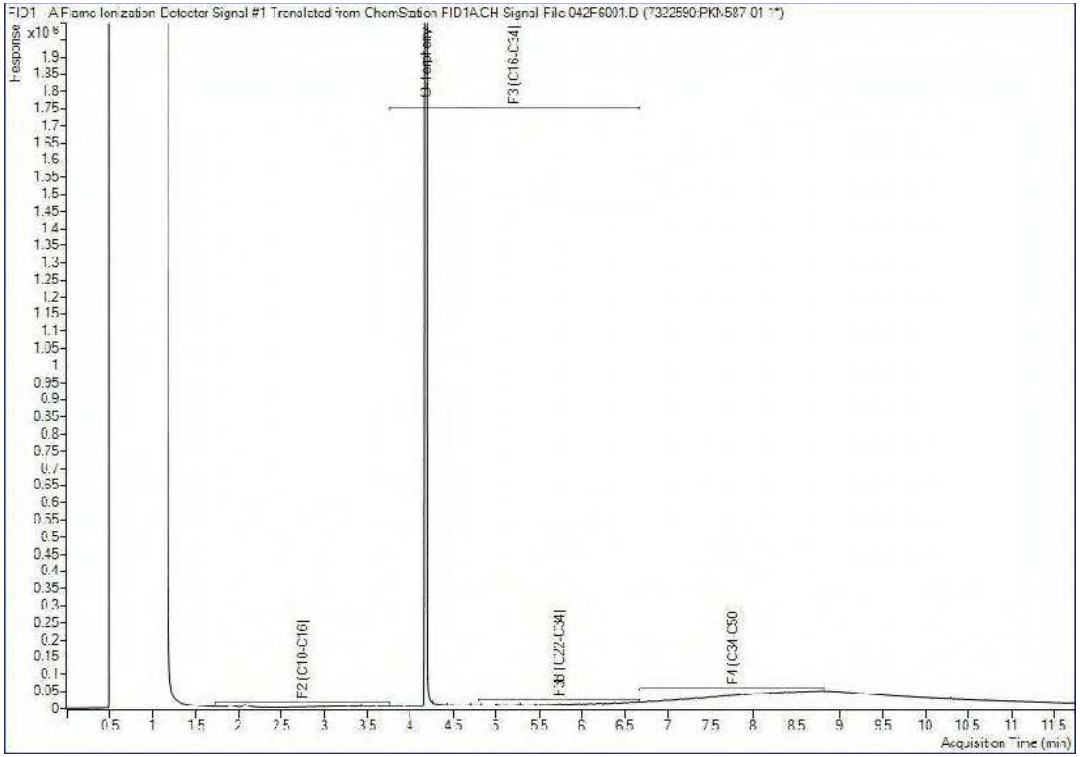


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

BV Labs Job #: C1B1260
Report Date: 2021/05/03
BV Labs Sample: PKN587

DST Consulting Engineers Inc
Client Project #: 2103035
Client ID: MW21-3,SS1

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Your Project #: 02103035
Your C.O.C. #: 157055

Attention: Ryan Vanden Tillaart

DST Consulting Engineers Inc
Ottawa - Standing Offer
2150 Thurston Dr
Unit 203
Ottawa, ON
CANADA K1G 5T9

Report Date: 2021/05/10
Report #: R6627723
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1C2596
Received: 2021/05/07, 08:54

Sample Matrix: Soil
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Sieve, 75um (1)	2	N/A	2021/05/08	CAM SOP-00467	ASTM D1140 -17 m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga

Your Project #: 02103035
Your C.O.C. #: 157055

Attention: Ryan Vanden Tillaart

DST Consulting Engineers Inc
Ottawa - Standing Offer
2150 Thurston Dr
Unit 203
Ottawa, ON
CANADA K1G 5T9

Report Date: 2021/05/10
Report #: R6627723
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1C2596
Received: 2021/05/07, 08:54

Encryption Key

Bureau Veritas
10 May 2021 09:03:02

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
==========
This report has been generated and distributed using a secure automated process.
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BV Labs Job #: C1C2596
Report Date: 2021/05/10

DST Consulting Engineers Inc
Client Project #: 02103035
Sampler Initials: RVT

RESULTS OF ANALYSES OF SOIL

BV Labs ID		PMV874	PMV875		
Sampling Date		2021/05/06 17:30	2021/05/06 17:30		
COC Number		157055	157055		
	UNITS	MW21-1 SS2	MW21-3 SS1	RDL	QC Batch
Miscellaneous Parameters					
Grain Size	%	FINE	FINE	N/A	7339480
Sieve - #200 (<0.075mm)	%	78	80	1	7339480
Sieve - #200 (>0.075mm)	%	22	20	1	7339480

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
N/A = Not Applicable

BV Labs Job #: C1C2596
Report Date: 2021/05/10

DST Consulting Engineers Inc
Client Project #: 02103035
Sampler Initials: RVT

TEST SUMMARY

BV Labs ID: PMV874
Sample ID: MW21-1 SS2
Matrix: Soil

Collected: 2021/05/06
Shipped:
Received: 2021/05/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Sieve, 75um	SIEV	7339480	N/A	2021/05/08	Prgya Panchal

BV Labs ID: PMV875
Sample ID: MW21-3 SS1
Matrix: Soil

Collected: 2021/05/06
Shipped:
Received: 2021/05/07

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Sieve, 75um	SIEV	7339480	N/A	2021/05/08	Prgya Panchal

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	3.7°C

Results relate only to the items tested.

Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

BV Labs Job #: C1C2596
Report Date: 2021/05/10

QUALITY ASSURANCE REPORT

DST Consulting Engineers Inc
Client Project #: 02103035
Sampler Initials: RVT

			RPD		QC Standard	
QC Batch	Parameter	Date	Value (%)	QC Limits	% Recovery	QC Limits
7339480	Sieve - #200 (<0.075mm)	2021/05/08	1.0	20	56	53 - 58
7339480	Sieve - #200 (>0.075mm)	2021/05/08	1.7	20	44	42 - 47

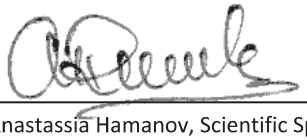
Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Anastassia Hamanov, Scientific Specialist

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RUSH!

6740 Campobello Road, Mississauga, Ontario L5N 2L8
Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266
CAM FCD-01191/6

CHAIN OF CUSTODY RECORD 157055

Page ___ of ___

Invoice Information		Report Information (if differs from invoice)		Project Information (where applicable)		Turnaround Time (TAT) Required
Company Name:	DST	Company Name:		Quotation #:		Regular TAT (5-7 days) Most analyses
Contact Name:	Ryan Vadeltllhat	Contact Name:		P.O. #/ AFE#:		PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	2150 Thurston Dre	Address:		Project #:	~~[illegible]~~ 02103035	Rush TAT (Surcharges will be applied)
				Site Location:		[X] 1 Day [ ] 2 Days [ ] 3-4 Days
Phone:	613-402-2786 Fax:	Phone:	Fax:	Site #:		
Email:	rhllcart@dstgroup.com	Email:		Site Location Province:		Date Required:
				Sampled By:	~~[illegible]~~ RL	Rush Confirmation #:

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY

Regulation 153: [ ] Table 1 [ ] Res/Park [ ] Med/ Fine; [ ] Table 2 [ ] Ind/Comm [ ] Coarse; [ ] Table 3 [ ] Agri/ Other; [ ] Table ___
FOR RSC (PLEASE CIRCLE) Y / N

Other Regulations: [ ] CCME [ ] Sanitary Sewer Bylaw; [ ] MISA [ ] Storm Sewer Bylaw; [ ] PWQO Region ___; [ ] Other (Specify); [ ] REG 558 (MIN. 3 DAY TAT REQUIRED); [ ] REG 406 Table ___

Include Criteria on Certificate of Analysis: Y / N

SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

Analysis Requested: # OF CONTAINERS SUBMITTED; FIELD FILTERED (CIRCLE) Metals / Hg / CrVI; BTEX/ PHC F1; PHCs F2 - F4; VOCs; REG 153 METALS & INORGANICS; REG 153 ICPMS METALS; REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B); Sieve 75um; HOLD- DO NOT ANALYZE

#	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	Sieve 75um
1	MW21-1 SS2	2021/05/06	17:30	S	X
2	MW21-3 SS1	2021/05/06	17:30	S	X
3					
4					
5					
6					
7					
8					
9					
10					

07-May-21 08:54
Katherine Szozda
C1C2596
KJY OTT-001

LABORATORY USE ONLY

CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	
✓	✓	4, 4, 3

COOLING MEDIA PRESENT: (Y) / N

COMMENTS: ON Ice

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
Ryan Vadeltllhat	2021/05/06	18:30	[signature]	2021/05/07	8:54	
			[signature]	2021/05/08	08:21	

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COC-1004 (06/19)

12/13/11- ON ICE

White: BV Labs - Yellow: Client

Your P.O. #: 2103035
Your Project #: 2103035
Your C.O.C. #: 824243-01-01

Attention: Ryan Vanden Tillaart

DST Consulting Engineers Inc
Ottawa - Standing Offer
2150 Thurston Dr
Unit 203
Ottawa, ON
CANADA K1G 5T9

Report Date: 2021/05/07
Report #: R6625541
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1B9704
Received: 2021/05/04, 09:00

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum (1)	3	N/A	2021/05/07		EPA 8260C m
Chloride by Automated Colourimetry (1)	1	N/A	2021/05/06	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity (1)	1	N/A	2021/05/06	CAM SOP-00414	SM 23 2510 m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	3	2021/05/06	2021/05/07	CAM SOP-00316	CCME PHC-CWS m
pH (1)	1	2021/05/05	2021/05/06	CAM SOP-00413	SM 4500H+ B m
Resistivity of Water (1)	1	2021/05/05	2021/05/06	CAM SOP-00414	SM 23 2510 m
Sulphate by Automated Colourimetry (1)	1	N/A	2021/05/06	CAM SOP-00464	EPA 375.4 m
Sulphide (1)	1	N/A	2021/05/06	CAM SOP-00455	SM 23 4500-S G m
Volatile Organic Compounds and F1 PHCs (1)	3	N/A	2021/05/07	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga

Your P.O. #: 2103035
Your Project #: 2103035
Your C.O.C. #: 824243-01-01

Attention: Ryan Vanden Tillaart

DST Consulting Engineers Inc
Ottawa - Standing Offer
2150 Thurston Dr
Unit 203
Ottawa, ON
CANADA K1G 5T9

Report Date: 2021/05/07
Report #: R6625541
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1B9704
Received: 2021/05/04, 09:00

(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Bureau Veritas
07 May 2021 17:08:08

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

This report has been generated and distributed using a secure automated process.
BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

BV Labs Job #: C1B9704
Report Date: 2021/05/07

DST Consulting Engineers Inc
Client Project #: 2103035
Your P.O. #: 2103035
Sampler Initials: CF

RESULTS OF ANALYSES OF WATER

BV Labs ID		PMH109		
Sampling Date		2021/04/30		
COC Number		824243-01-01		
	UNITS	MW21-2	RDL	QC Batch
Calculated Parameters				
Resistivity	ohm-cm	160		7334889
Inorganics				
Conductivity	umho/cm	6100	1.0	7336307
pH	pH	7.92		7336338
Dissolved Sulphate (SO4)	mg/L	210	1.0	7335906
Sulphide	mg/L	<0.020	0.020	7338319
Dissolved Chloride (Cl-)	mg/L	1800	15	7335902

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

DST Consulting Engineers Inc
Client Project #: 2103035
Your P.O. #: 2103035
Sampler Initials: CF

O.REG 153 VOCS BY HS & F1-F4 (WATER)

BV Labs ID		PMH108	PMH109		PMH110		
Sampling Date		2021/04/30	2021/04/30		2021/04/30		
COC Number		824243-01-01	824243-01-01		824243-01-01		
	UNITS	MW21-1	MW21-2	RDL	MW21-3	RDL	QC Batch
Calculated Parameters							
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7334890
Volatile Organics							
Acetone (2-Propanone)	ug/L	<50	<50	50	<10	10	7329955
Benzene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
Bromodichloromethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
Bromoform	ug/L	<5.0	<5.0	5.0	<1.0	1.0	7329955
Bromomethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
Carbon Tetrachloride	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
Chlorobenzene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
Chloroform	ug/L	<1.0	<1.0	1.0	<0.20	0.20	7329955
Dibromochloromethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
Dichlorodifluoromethane (FREON 12)	ug/L	<5.0	<5.0	5.0	<1.0	1.0	7329955
1,1-Dichloroethane	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
1,2-Dichloroethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
1,1-Dichloroethylene	ug/L	<0.20	0.66	0.20	<0.20	0.20	7329955
cis-1,2-Dichloroethylene	ug/L	220	860	2.5	1.5	0.50	7329955
trans-1,2-Dichloroethylene	ug/L	3.7	12	2.5	<0.50	0.50	7329955
1,2-Dichloropropane	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	0.30	<0.30	0.30	7329955
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	0.40	<0.40	0.40	7329955
Ethylbenzene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
Ethylene Dibromide	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
Hexane	ug/L	<5.0	<5.0	5.0	<1.0	1.0	7329955
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	2.0	<2.0	2.0	7329955
Methyl Ethyl Ketone (2-Butanone)	ug/L	<50	<50	50	<10	10	7329955
Methyl Isobutyl Ketone	ug/L	<25	<25	25	<5.0	5.0	7329955
Methyl t-butyl ether (MTBE)	ug/L	<2.5	<2.5	2.5	<0.50	0.50	7329955
Styrene	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
Tetrachloroethylene	ug/L	930	890	1.0	32	0.20	7329955
Toluene	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (WATER)

BV Labs ID		PMH108	PMH109		PMH110		
Sampling Date		2021/04/30	2021/04/30		2021/04/30		
COC Number		824243-01-01	824243-01-01		824243-01-01		
	UNITS	MW21-1	MW21-2	RDL	MW21-3	RDL	QC Batch
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	0.20	<0.20	0.20	7329955
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	0.50	<0.50	0.50	7329955
Trichloroethylene	ug/L	100	160	1.0	2.0	0.20	7329955
Trichlorofluoromethane (FREON 11)	ug/L	<2.5	<2.5	2.5	<0.50	0.50	7329955
Vinyl Chloride	ug/L	7.0	31	1.0	<0.20	0.20	7329955
p+m-Xylene	ug/L	<1.0	<1.0	1.0	<0.20	0.20	7329955
o-Xylene	ug/L	<1.0	<1.0	1.0	<0.20	0.20	7329955
Total Xylenes	ug/L	<1.0	<1.0	1.0	<0.20	0.20	7329955
F1 (C6-C10)	ug/L	320	340	130	<25	25	7329955
F1 (C6-C10) - BTEX	ug/L	320	340	130	<25	25	7329955
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/L	<100	370	100	<100	100	7338154
F3 (C16-C34 Hydrocarbons)	ug/L	240	750	200	<200	200	7338154
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	<200	200	7338154
Reached Baseline at C50	ug/L	Yes	Yes		Yes		7338154
Surrogate Recovery (%)							
o-Terphenyl	%	98	99		100		7338154
4-Bromofluorobenzene	%	86	86		84		7329955
D4-1,2-Dichloroethane	%	108	108		109		7329955
D8-Toluene	%	97	99		97		7329955

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

BV Labs Job #: C1B9704
Report Date: 2021/05/07

DST Consulting Engineers Inc
Client Project #: 2103035
Your P.O. #: 2103035
Sampler Initials: CF

TEST SUMMARY

BV Labs ID: PMH108
Sample ID: MW21-1
Matrix: Water

Collected: 2021/04/30
Shipped:
Received: 2021/05/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7334890	N/A	2021/05/07	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7338154	2021/05/06	2021/05/07	Ksenia Trofimova
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7329955	N/A	2021/05/07	Anna Gabrielyan

BV Labs ID: PMH109
Sample ID: MW21-2
Matrix: Water

Collected: 2021/04/30
Shipped:
Received: 2021/05/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7334890	N/A	2021/05/07	Automated Statchk
Chloride by Automated Colourimetry	KONE	7335902	N/A	2021/05/06	Deonarine Ramnarine
Conductivity	AT	7336307	N/A	2021/05/06	Yogesh Patel
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7338154	2021/05/06	2021/05/07	Ksenia Trofimova
pH	AT	7336338	2021/05/05	2021/05/06	Yogesh Patel
Resistivity of Water		7334889	2021/05/06	2021/05/06	Automated Statchk
Sulphate by Automated Colourimetry	KONE	7335906	N/A	2021/05/06	Deonarine Ramnarine
Sulphide	ISE/S	7338319	N/A	2021/05/06	Neil Dassanayake
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7329955	N/A	2021/05/07	Anna Gabrielyan

BV Labs ID: PMH110
Sample ID: MW21-3
Matrix: Water

Collected: 2021/04/30
Shipped:
Received: 2021/05/04

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	7334890	N/A	2021/05/07	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7338154	2021/05/06	2021/05/07	Ksenia Trofimova
Volatile Organic Compounds and F1 PHCs	GC/MSFD	7329955	N/A	2021/05/07	Anna Gabrielyan

BV Labs Job #: C1B9704
Report Date: 2021/05/07

DST Consulting Engineers Inc
Client Project #: 2103035
Your P.O. #: 2103035
Sampler Initials: CF

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	9.0°C

Sample PMH108 [MW21-1] : VOCF1 Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to meet required regulatory criteria, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Sample PMH109 [MW21-2] : VOCF1 Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to meet required regulatory criteria, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Results relate only to the items tested.

BV Labs Job #: C1B9704
Report Date: 2021/05/07

QUALITY ASSURANCE REPORT

DST Consulting Engineers Inc
Client Project #: 2103035
Your P.O. #: 2103035
Sampler Initials: CF

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7329955	4-Bromofluorobenzene	2021/05/06	103	70 - 130	103	70 - 130	89	%		
7329955	D4-1,2-Dichloroethane	2021/05/06	101	70 - 130	105	70 - 130	106	%		
7329955	D8-Toluene	2021/05/06	103	70 - 130	102	70 - 130	98	%		
7338154	o-Terphenyl	2021/05/07	105	60 - 130	103	60 - 130	97	%		
7329955	1,1,1,2-Tetrachloroethane	2021/05/07	99	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
7329955	1,1,1-Trichloroethane	2021/05/07	97	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
7329955	1,1,2,2-Tetrachloroethane	2021/05/07	98	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
7329955	1,1,2-Trichloroethane	2021/05/07	98	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
7329955	1,1-Dichloroethane	2021/05/07	91	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
7329955	1,1-Dichloroethylene	2021/05/07	95	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
7329955	1,2-Dichlorobenzene	2021/05/07	97	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
7329955	1,2-Dichloroethane	2021/05/07	91	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
7329955	1,2-Dichloropropane	2021/05/07	94	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
7329955	1,3-Dichlorobenzene	2021/05/07	101	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
7329955	1,4-Dichlorobenzene	2021/05/07	108	70 - 130	113	70 - 130	<0.50	ug/L	NC	30
7329955	Acetone (2-Propanone)	2021/05/07	98	60 - 140	102	60 - 140	<10	ug/L	NC	30
7329955	Benzene	2021/05/07	87	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
7329955	Bromodichloromethane	2021/05/07	97	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
7329955	Bromoform	2021/05/07	97	70 - 130	102	70 - 130	<1.0	ug/L	NC	30
7329955	Bromomethane	2021/05/07	86	60 - 140	90	60 - 140	<0.50	ug/L	NC	30
7329955	Carbon Tetrachloride	2021/05/07	94	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
7329955	Chlorobenzene	2021/05/07	95	70 - 130	96	70 - 130	<0.20	ug/L	NC	30
7329955	Chloroform	2021/05/07	95	70 - 130	96	70 - 130	<0.20	ug/L	NC	30
7329955	cis-1,2-Dichloroethylene	2021/05/07	95	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
7329955	cis-1,3-Dichloropropene	2021/05/07	82	70 - 130	86	70 - 130	<0.30	ug/L	NC	30
7329955	Dibromochloromethane	2021/05/07	95	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
7329955	Dichlorodifluoromethane (FREON 12)	2021/05/07	97	60 - 140	100	60 - 140	<1.0	ug/L	NC	30
7329955	Ethylbenzene	2021/05/07	88	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
7329955	Ethylene Dibromide	2021/05/07	91	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
7329955	F1 (C6-C10) - BTEX	2021/05/07					<25	ug/L	NC	30
7329955	F1 (C6-C10)	2021/05/07	90	60 - 140	88	60 - 140	<25	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7329955	Hexane	2021/05/07	95	70 - 130	95	70 - 130	<1.0	ug/L	NC	30
7329955	Methyl Ethyl Ketone (2-Butanone)	2021/05/07	101	60 - 140	108	60 - 140	<10	ug/L	NC	30
7329955	Methyl Isobutyl Ketone	2021/05/07	93	70 - 130	101	70 - 130	<5.0	ug/L	NC	30
7329955	Methyl t-butyl ether (MTBE)	2021/05/07	85	70 - 130	88	70 - 130	<0.50	ug/L	NC	30
7329955	Methylene Chloride(Dichloromethane)	2021/05/07	97	70 - 130	100	70 - 130	<2.0	ug/L	NC	30
7329955	o-Xylene	2021/05/07	90	70 - 130	91	70 - 130	<0.20	ug/L	NC	30
7329955	p+m-Xylene	2021/05/07	93	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
7329955	Styrene	2021/05/07	102	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
7329955	Tetrachloroethylene	2021/05/07	91	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
7329955	Toluene	2021/05/07	88	70 - 130	88	70 - 130	<0.20	ug/L	NC	30
7329955	Total Xylenes	2021/05/07					<0.20	ug/L	NC	30
7329955	trans-1,2-Dichloroethylene	2021/05/07	95	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
7329955	trans-1,3-Dichloropropene	2021/05/07	85	70 - 130	89	70 - 130	<0.40	ug/L	NC	30
7329955	Trichloroethylene	2021/05/07	99	70 - 130	100	70 - 130	<0.20	ug/L	NC	30
7329955	Trichlorofluoromethane (FREON 11)	2021/05/07	94	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
7329955	Vinyl Chloride	2021/05/07	93	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
7335902	Dissolved Chloride (Cl-)	2021/05/06	NC	80 - 120	104	80 - 120	<1.0	mg/L	1.2	20
7335906	Dissolved Sulphate (SO4)	2021/05/06	119	75 - 125	103	80 - 120	<1.0	mg/L	NC	20
7336307	Conductivity	2021/05/05			102	85 - 115	<1.0	umho/cm	0.25	25
7336338	pH	2021/05/05			102	98 - 103			0.72	N/A
7338154	F2 (C10-C16 Hydrocarbons)	2021/05/07	123	60 - 130	104	60 - 130	<100	ug/L	2.0	30
7338154	F3 (C16-C34 Hydrocarbons)	2021/05/07	128	60 - 130	117	60 - 130	<200	ug/L	30	30
7338154	F4 (C34-C50 Hydrocarbons)	2021/05/07	129	60 - 130	119	60 - 130	<200	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7338319	Sulphide	2021/05/06	90	80 - 120	100	80 - 120	<0.020	mg/L	NC	20

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

BV Labs Job #: C1B9704
Report Date: 2021/05/07

DST Consulting Engineers Inc
Client Project #: 2103035
Your P.O. #: 2103035
Sampler Initials: CF

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

BV Labs has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Laboratories 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvlabs.com

04-May-21 09:00

Katherine Szozda

C1B9704

J_L ENV-1258

Presence of Visible Particulate/Sediment

Maxxam Analytics
CAM FCD-01013/5
Page 1 of 1

When there is >1cm of visible particulate/sediment, the amount will be recorded in the field below

Bottle Types

	Sample ID	All	Inorganics					Organics											Hydrocarbons							Volatiles				Other
			CrVI	CN	General	Hg	Metals (Diss.)	Organic 1 of 2	Organic 2 of 2	PCB 1 of 2	PCB 2 of 2	Pest/ Herb 1 of 2	Pest/ Herb 2 of 2	SVOC/ ABN 1 of 2	SVOC/ ABN 2 of 2	PAH 1 of 2	PAH 2 of 2	Dioxin /Furan	F1 - Vial 1	F1 Vial 2	F1 Vial 3	F1 Vial 4	F2-F4 1 of 2	F2-F4 2 of 2	F4G	VOC Vial 1	VOC Vial 2	VOC Vial 3	VOC Vial 4	
1	MW21-1	TS																												
2	2	↓																												
3	3	↓																												
4																														
5																														
6																														
7																														
8																														
9																														
10																														

Comments:

Legend:	
P	Suspended Particulate
TS	Trace Settled Sediment (just covers bottom of container or less)
S	Sediment greater than (>) Trace, but less than (<) 1 cm

Recorded By: (signature/print) J-L

Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel:(905) 817-5700 Toll-free 800-563-6266 Fax (905) 817-5777 www.bvlabs.com

04-May-21 09:00
Katherine Szozda
C1B9704
ENV-1258
J L

Page 1 of 1

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name	#3824 DST Consulting Engineers Inc	Company Name		Quotation #	B82715
Attention	Accounts Payable	Attention	Ryan Vanden Tillaart	P.O. #	2103035
Address	2150 Thurston Dr Unit 203	Address		Project	2103035
	Ottawa ON K1G 5T9			Project Name	
Tel	(613) 748-1415 Fax (613) 748-1356	Tel	Fax	Site #	
Email	ap@dstgroup.com	Email	rtillaart@dstgroup.com; seid@dstgroup.com	Sampled By	CF

Bottle Order #: 824243
COC #: C#824243-01-01
Project Manager: Katherine Szozda

MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BV LABS DRINKING WATER CHAIN OF CUSTODY

Regulation 153 (2011): [X] Table 1 [ ] Res/Park [ ] Medium/Fine [ ] Table 2 [ ] Ind/Comm [ ] Coarse [ ] Table 3 [ ] Agri/Other [ ] For RSC [ ] Table ___

Other Regulations: [ ] CCME [ ] Sanitary Sewer Bylaw [ ] Reg 558 [ ] Storm Sewer Bylaw [ ] MISA Municipality ___ [ ] PWQO [ ] Reg 406 Table ___ [ ] Other ___

Special Instructions

Include Criteria on Certificate of Analysis (Y/N)? ___

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O.Reg 153 VOCs by HS & F1-F4 (PHCs)	[struck out]	pH	Chloride	Sulphate	Sulphide	Resistivity	Redox Potential			# of Bottles	Comments
1		MW21-1	2021/04/30		GW		X											
2		MW21-2	↓		↓		X		X	X	X	X	X	X				
3		MW21-3	↓		↓		X											
4																		
5																		
6																		
7		RUSH																
8																		
9																		ON Ice
10																		

Turnaround Time (TAT) Required: Please provide advance notice for rush projects

Regular (Standard) TAT: [X]
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___ [ ]
Rush Confirmation Number: ___ (call lab for #)

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Time Sensitive	Laboratory Use Only: Temperature (°C) on Receipt	Custody Seal	Yes	No
Cameron Field / Cameron Field	21/05/03	1600	[signature]	2021/05/04	9:00			10, 9, 8	Present		
			[signature]	21/05/05	[illegible] 08:30				Intact		

White: BV Labs Yellow: Client

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.

* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

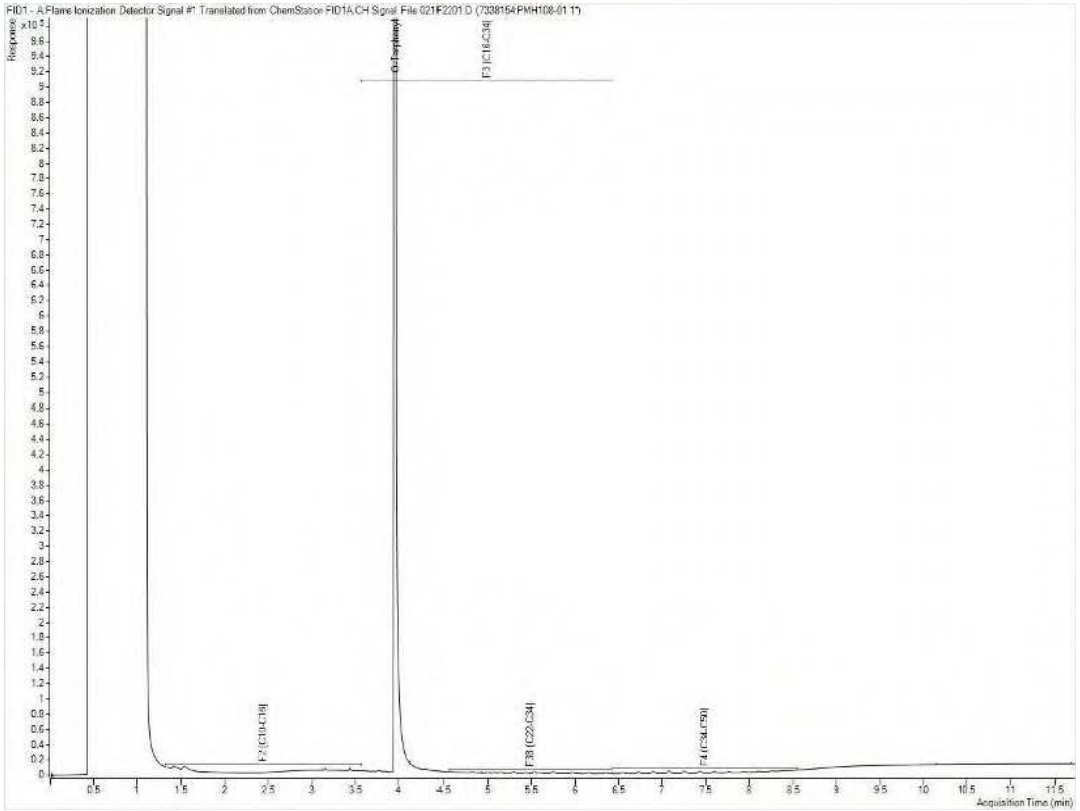
SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BV LABS

Bureau Veritas Canada (2019) Inc.

BV Labs Job #: C1B9704
Report Date: 2021/05/07
BV Labs Sample: PMH108

DST Consulting Engineers Inc
Client Project #: 2103035
Client ID: MW21-1

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

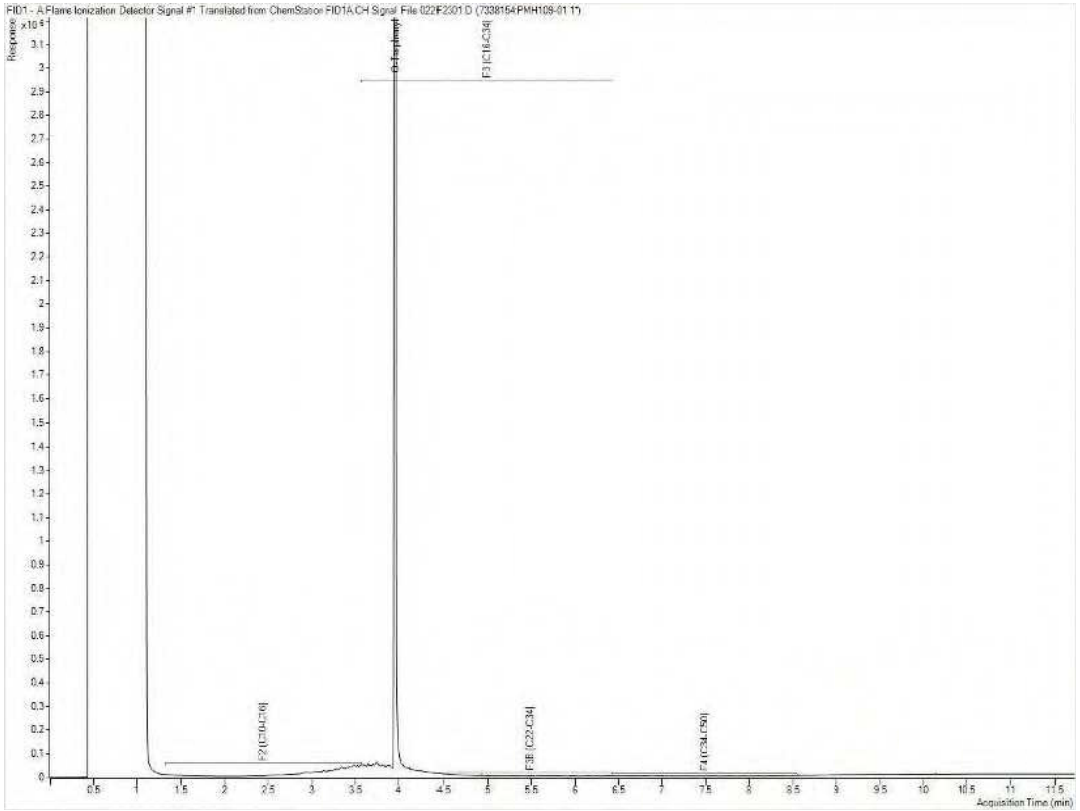


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

BV Labs Job #: C1B9704
Report Date: 2021/05/07
BV Labs Sample: PMH109

DST Consulting Engineers Inc
Client Project #: 2103035
Client ID: MW21-2

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

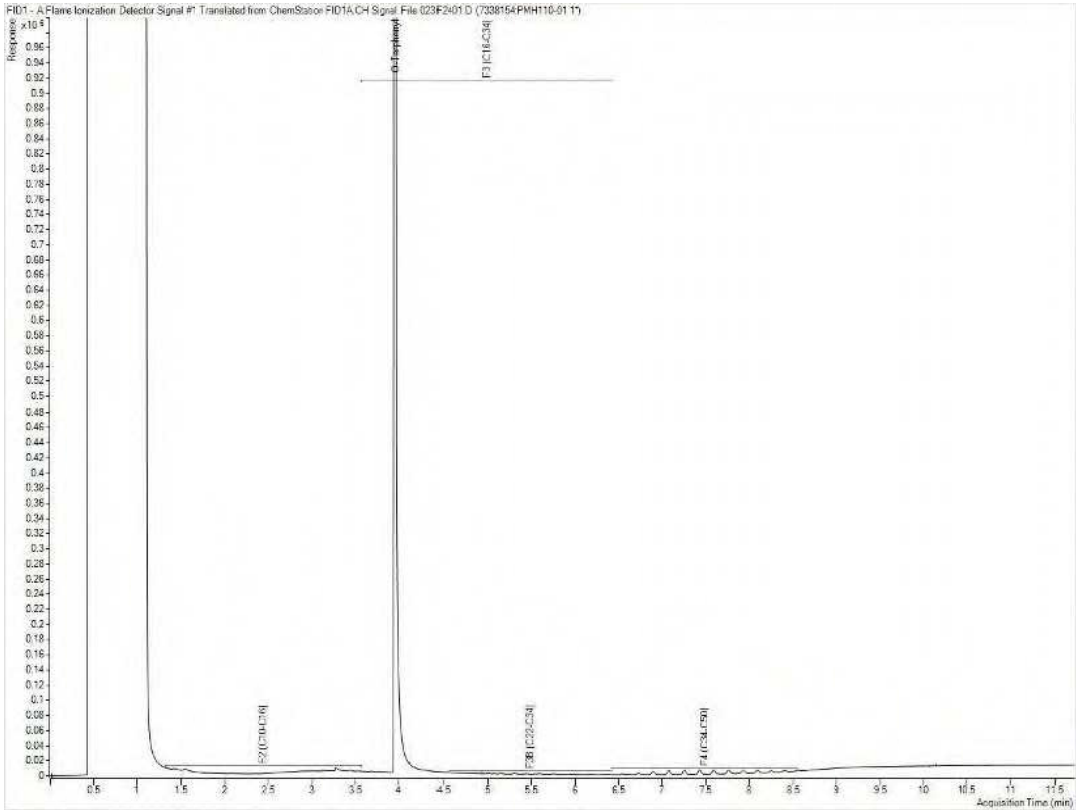


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

BV Labs Job #: C1B9704
Report Date: 2021/05/07
BV Labs Sample: PMH110

DST Consulting Engineers Inc
Client Project #: 2103035
Client ID: MW21-3

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: n/a

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/07/21
Report #: R7727572
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3K9046
Received: 2023/07/13, 09:11

Sample Matrix: Soil
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	2	N/A	2023/07/20	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum (1)	2	N/A	2023/07/19		EPA 8260C m
Petroleum Hydro. CCME F1 & BTEX in Soil (1, 2)	2	N/A	2023/07/17	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (1, 3)	2	2023/07/18	2023/07/18	CAM SOP-00316	CCME CWS m
F4G (CCME Hydrocarbons Gravimetric) (1)	2	2023/07/20	2023/07/20	CAM SOP-00316	CCME PHC-CWS m
Acid Extractable Metals by ICPMS (1)	2	2023/07/18	2023/07/18	CAM SOP-00447	EPA 6020B m
Moisture (1)	2	N/A	2023/07/17	CAM SOP-00445	Carter 2nd ed 51.2 m
PAH Compounds in Soil by GC/MS (SIM) (1)	1	2023/07/18	2023/07/18	CAM SOP-00318	EPA 8270E
PAH Compounds in Soil by GC/MS (SIM) (1)	1	2023/07/19	2023/07/20	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds in Soil (1)	2	N/A	2023/07/18	CAM SOP-00228	EPA 8260D

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: n/a

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/07/21
Report #: R7727572
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3K9046
Received: 2023/07/13, 09:11

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C3K9046
Report Date: 2023/07/21

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 ICPMS METALS (SOIL)

Bureau Veritas ID		WJT428	WJT430		
Sampling Date		2023/07/11 09:00	2023/07/12 10:00		
COC Number		n/a	n/a		
	UNITS	MW23-1 SS1	MW23-4 SS1	RDL	QC Batch
Metals					
Acid Extractable Antimony (Sb)	ug/g	0.25	0.37	0.20	8795348
Acid Extractable Arsenic (As)	ug/g	2.0	3.0	1.0	8795348
Acid Extractable Barium (Ba)	ug/g	630	310	0.50	8795348
Acid Extractable Beryllium (Be)	ug/g	0.32	0.29	0.20	8795348
Acid Extractable Boron (B)	ug/g	9.8	8.4	5.0	8795348
Acid Extractable Cadmium (Cd)	ug/g	0.11	0.18	0.10	8795348
Acid Extractable Chromium (Cr)	ug/g	9.0	13	1.0	8795348
Acid Extractable Cobalt (Co)	ug/g	5.3	4.5	0.10	8795348
Acid Extractable Copper (Cu)	ug/g	12	44	0.50	8795348
Acid Extractable Lead (Pb)	ug/g	48	200	1.0	8795348
Acid Extractable Molybdenum (Mo)	ug/g	0.69	1.7	0.50	8795348
Acid Extractable Nickel (Ni)	ug/g	11	11	0.50	8795348
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	0.50	8795348
Acid Extractable Silver (Ag)	ug/g	<0.20	1.3	0.20	8795348
Acid Extractable Thallium (Tl)	ug/g	0.17	0.15	0.050	8795348
Acid Extractable Uranium (U)	ug/g	0.35	0.36	0.050	8795348
Acid Extractable Vanadium (V)	ug/g	16	22	5.0	8795348
Acid Extractable Zinc (Zn)	ug/g	25	92	5.0	8795348

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		WJT428		WJT430		
Sampling Date		2023/07/11 09:00		2023/07/12 10:00		
COC Number		n/a		n/a		
	UNITS	MW23-1 SS1	QC Batch	MW23-4 SS1	RDL	QC Batch
Calculated Parameters						
Methylnaphthalene, 2-(1-)	ug/g	<0.071	8790977	0.48	0.071	8790977
Polyaromatic Hydrocarbons						
Acenaphthene	ug/g	<0.050	8800292	0.58	0.050	8795165
Acenaphthylene	ug/g	<0.050	8800292	0.059	0.050	8795165
Anthracene	ug/g	<0.050	8800292	1.2	0.050	8795165
Benzo(a)anthracene	ug/g	0.072	8800292	3.5	0.050	8795165
Benzo(a)pyrene	ug/g	0.085	8800292	3.0	0.050	8795165
Benzo(b/j)fluoranthene	ug/g	0.11	8800292	4.3	0.050	8795165
Benzo(g,h,i)perylene	ug/g	0.079	8800292	1.8	0.050	8795165
Benzo(k)fluoranthene	ug/g	<0.050	8800292	1.7	0.050	8795165
Chrysene	ug/g	0.088	8800292	3.3	0.050	8795165
Dibenzo(a,h)anthracene	ug/g	<0.050	8800292	0.54	0.050	8795165
Fluoranthene	ug/g	0.15	8800292	8.6	0.050	8795165
Fluorene	ug/g	<0.050	8800292	0.63	0.050	8795165
Indeno(1,2,3-cd)pyrene	ug/g	0.064	8800292	2.0	0.050	8795165
1-Methylnaphthalene	ug/g	<0.050	8800292	0.24	0.050	8795165
2-Methylnaphthalene	ug/g	<0.050	8800292	0.24	0.050	8795165
Naphthalene	ug/g	<0.050	8800292	0.45	0.050	8795165
Phenanthrene	ug/g	0.10	8800292	7.5	0.050	8795165
Pyrene	ug/g	0.14	8800292	6.6	0.050	8795165
Surrogate Recovery (%)						
D10-Anthracene	%	95	8800292	82		8795165
D14-Terphenyl (FS)	%	88	8800292	82		8795165
D8-Acenaphthylene	%	83	8800292	76		8795165

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C3K9046
Report Date: 2023/07/21

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 PHCS, BTEX/F1-F4 (SOIL)

Bureau Veritas ID		WJT428	WJT430		
Sampling Date		2023/07/11 09:00	2023/07/12 10:00		
COC Number		n/a	n/a		
	UNITS	MW23-1 SS1	MW23-4 SS1	RDL	QC Batch
BTEX & F1 Hydrocarbons					
F1 (C6-C10)	ug/g	<10	<10	10	8792822
F1 (C6-C10) - BTEX	ug/g	<10	<10	10	8792822
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	<10	<10	10	8795173
F3 (C16-C34 Hydrocarbons)	ug/g	340	420	50	8795173
F4 (C34-C50 Hydrocarbons)	ug/g	1300	880	50	8795173
Reached Baseline at C50	ug/g	No	No		8795173
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	97	98		8792822
4-Bromofluorobenzene	%	98	98		8792822
D10-o-Xylene	%	103	103		8792822
D4-1,2-Dichloroethane	%	95	95		8792822
o-Terphenyl	%	82	77		8795173

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID		WJT428	WJT430		
Sampling Date		2023/07/11 09:00	2023/07/12 10:00		
COC Number		n/a	n/a		
	UNITS	MW23-1 SS1	MW23-4 SS1	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	<0.050	0.050	8788991
Volatile Organics					
Acetone (2-Propanone)	ug/g	<0.49	<0.49	0.49	8795479
Benzene	ug/g	<0.0060	<0.0060	0.0060	8795479
Bromodichloromethane	ug/g	<0.040	<0.040	0.040	8795479
Bromoform	ug/g	<0.040	<0.040	0.040	8795479
Bromomethane	ug/g	<0.040	<0.040	0.040	8795479
Carbon Tetrachloride	ug/g	<0.040	<0.040	0.040	8795479
Chlorobenzene	ug/g	<0.040	<0.040	0.040	8795479
Chloroform	ug/g	<0.040	<0.040	0.040	8795479
Dibromochloromethane	ug/g	<0.040	<0.040	0.040	8795479
1,2-Dichlorobenzene	ug/g	<0.040	<0.040	0.040	8795479
1,3-Dichlorobenzene	ug/g	<0.040	<0.040	0.040	8795479
1,4-Dichlorobenzene	ug/g	<0.040	<0.040	0.040	8795479
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	<0.040	0.040	8795479
1,1-Dichloroethane	ug/g	<0.040	<0.040	0.040	8795479
1,2-Dichloroethane	ug/g	<0.049	<0.049	0.049	8795479
1,1-Dichloroethylene	ug/g	<0.040	<0.040	0.040	8795479
cis-1,2-Dichloroethylene	ug/g	<0.040	<0.040	0.040	8795479
trans-1,2-Dichloroethylene	ug/g	<0.040	<0.040	0.040	8795479
1,2-Dichloropropane	ug/g	<0.040	<0.040	0.040	8795479
cis-1,3-Dichloropropene	ug/g	<0.030	<0.030	0.030	8795479
trans-1,3-Dichloropropene	ug/g	<0.040	<0.040	0.040	8795479
Ethylbenzene	ug/g	<0.010	<0.010	0.010	8795479
Ethylene Dibromide	ug/g	<0.040	<0.040	0.040	8795479
Hexane	ug/g	0.054	<0.040	0.040	8795479
Methylene Chloride(Dichloromethane)	ug/g	<0.049	<0.049	0.049	8795479
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	<0.40	0.40	8795479
Methyl Isobutyl Ketone	ug/g	<0.40	<0.40	0.40	8795479
Methyl t-butyl ether (MTBE)	ug/g	<0.040	<0.040	0.040	8795479
Styrene	ug/g	<0.040	<0.040	0.040	8795479
1,1,1,2-Tetrachloroethane	ug/g	<0.040	<0.040	0.040	8795479
1,1,2,2-Tetrachloroethane	ug/g	<0.040	<0.040	0.040	8795479

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID		WJT428	WJT430		
Sampling Date		2023/07/11 09:00	2023/07/12 10:00		
COC Number		n/a	n/a		
	UNITS	MW23-1 SS1	MW23-4 SS1	RDL	QC Batch
Tetrachloroethylene	ug/g	2.0	0.16	0.040	8795479
Toluene	ug/g	<0.020	<0.020	0.020	8795479
1,1,1-Trichloroethane	ug/g	<0.040	<0.040	0.040	8795479
1,1,2-Trichloroethane	ug/g	<0.040	<0.040	0.040	8795479
Trichloroethylene	ug/g	<0.010	<0.010	0.010	8795479
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	<0.040	0.040	8795479
Vinyl Chloride	ug/g	<0.019	<0.019	0.019	8795479
p+m-Xylene	ug/g	0.035	<0.020	0.020	8795479
o-Xylene	ug/g	<0.020	<0.020	0.020	8795479
Total Xylenes	ug/g	0.035	<0.020	0.020	8795479
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	96	97		8795479
D10-o-Xylene	%	100	92		8795479
D4-1,2-Dichloroethane	%	105	105		8795479
D8-Toluene	%	101	100		8795479

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C3K9046
Report Date: 2023/07/21

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		WJT428	WJT430		
Sampling Date		2023/07/11 09:00	2023/07/12 10:00		
COC Number		n/a	n/a		
	UNITS	MW23-1 SS1	MW23-4 SS1	RDL	QC Batch
Inorganics					
Moisture	%	19	14	1.0	8794208

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C3K9046
Report Date: 2023/07/21

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		WJT428	WJT430		
Sampling Date		2023/07/11 09:00	2023/07/12 10:00		
COC Number		n/a	n/a		
	UNITS	MW23-1 SS1	MW23-4 SS1	RDL	QC Batch
F2-F4 Hydrocarbons					
F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	6100	3200	100	8800541

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C3K9046
Report Date: 2023/07/21

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WJT428
Sample ID: MW23-1 SS1
Matrix: Soil

Collected: 2023/07/11
Shipped:
Received: 2023/07/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8790977	N/A	2023/07/20	Automated Statchk
1,3-Dichloropropene Sum	CALC	8788991	N/A	2023/07/19	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8792822	N/A	2023/07/17	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8795173	2023/07/18	2023/07/18	Jeevaraj Jeevaratrnam
F4G (CCME Hydrocarbons Gravimetric)	BAL	8800541	2023/07/20	2023/07/20	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	8795348	2023/07/18	2023/07/18	Daniel Teclu
Moisture	BAL	8794208	N/A	2023/07/17	Simrat Bhathal
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8800292	2023/07/19	2023/07/20	Jonghan Yoon
Volatile Organic Compounds in Soil	GC/MS	8795479	N/A	2023/07/18	Skylar Canning

Bureau Veritas ID: WJT430
Sample ID: MW23-4 SS1
Matrix: Soil

Collected: 2023/07/12
Shipped:
Received: 2023/07/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8790977	N/A	2023/07/20	Automated Statchk
1,3-Dichloropropene Sum	CALC	8788991	N/A	2023/07/19	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8792822	N/A	2023/07/17	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8795173	2023/07/18	2023/07/18	Jeevaraj Jeevaratrnam
F4G (CCME Hydrocarbons Gravimetric)	BAL	8800541	2023/07/20	2023/07/20	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	8795348	2023/07/18	2023/07/18	Daniel Teclu
Moisture	BAL	8794208	N/A	2023/07/17	Simrat Bhathal
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8795165	2023/07/18	2023/07/18	Jiaxuan (Simon) Xi
Volatile Organic Compounds in Soil	GC/MS	8795479	N/A	2023/07/18	Skylar Canning

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	7.3°C

Sample WJT428 [MW23-1 SS1] : F1 BTEX analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

PAH ANALYSIS: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Sample WJT430 [MW23-4 SS1] : PAH Anaylsis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8792822	1,4-Difluorobenzene	2023/07/17	98	60 - 140	98	60 - 140	98	%		
8792822	4-Bromofluorobenzene	2023/07/17	99	60 - 140	98	60 - 140	98	%		
8792822	D10-o-Xylene	2023/07/17	106	60 - 140	93	60 - 140	92	%		
8792822	D4-1,2-Dichloroethane	2023/07/17	95	60 - 140	93	60 - 140	94	%		
8795165	D10-Anthracene	2023/07/18	72	50 - 130	102	50 - 130	98	%		
8795165	D14-Terphenyl (FS)	2023/07/18	69	50 - 130	97	50 - 130	90	%		
8795165	D8-Acenaphthylene	2023/07/18	63	50 - 130	94	50 - 130	86	%		
8795173	o-Terphenyl	2023/07/18	83	60 - 130	81	60 - 130	82	%		
8795479	4-Bromofluorobenzene	2023/07/18	99	60 - 140	101	60 - 140	97	%		
8795479	D10-o-Xylene	2023/07/18	100	60 - 130	90	60 - 130	89	%		
8795479	D4-1,2-Dichloroethane	2023/07/18	103	60 - 140	104	60 - 140	105	%		
8795479	D8-Toluene	2023/07/18	107	60 - 140	105	60 - 140	100	%		
8800292	D10-Anthracene	2023/07/20	93	50 - 130	82	50 - 130	115	%		
8800292	D14-Terphenyl (FS)	2023/07/20	94	50 - 130	82	50 - 130	113	%		
8800292	D8-Acenaphthylene	2023/07/20	87	50 - 130	77	50 - 130	102	%		
8792822	F1 (C6-C10) - BTEX	2023/07/17					<10	ug/g	NC	30
8792822	F1 (C6-C10)	2023/07/17	107	60 - 140	98	80 - 120	<10	ug/g	NC	30
8794208	Moisture	2023/07/17							3.5	20
8795165	1-Methylnaphthalene	2023/07/18	81	50 - 130	103	50 - 130	<0.0050	ug/g	NC	40
8795165	2-Methylnaphthalene	2023/07/18	73	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
8795165	Acenaphthene	2023/07/18	81	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
8795165	Acenaphthylene	2023/07/18	78	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
8795165	Anthracene	2023/07/18	86	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40
8795165	Benzo(a)anthracene	2023/07/18	83	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
8795165	Benzo(a)pyrene	2023/07/18	78	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
8795165	Benzo(b/j)fluoranthene	2023/07/18	81	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
8795165	Benzo(g,h,i)perylene	2023/07/18	83	50 - 130	102	50 - 130	<0.0050	ug/g	NC	40
8795165	Benzo(k)fluoranthene	2023/07/18	79	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
8795165	Chrysene	2023/07/18	83	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
8795165	Dibenzo(a,h)anthracene	2023/07/18	79	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
8795165	Fluoranthene	2023/07/18	84	50 - 130	101	50 - 130	<0.0050	ug/g	NC	40
8795165	Fluorene	2023/07/18	81	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8795165	Indeno(1,2,3-cd)pyrene	2023/07/18	80	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
8795165	Naphthalene	2023/07/18	69	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
8795165	Phenanthrene	2023/07/18	82	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
8795165	Pyrene	2023/07/18	85	50 - 130	102	50 - 130	<0.0050	ug/g	NC	40
8795173	F2 (C10-C16 Hydrocarbons)	2023/07/18	94	60 - 130	92	80 - 120	<10	ug/g	NC	30
8795173	F3 (C16-C34 Hydrocarbons)	2023/07/18	95	60 - 130	90	80 - 120	<50	ug/g	12	30
8795173	F4 (C34-C50 Hydrocarbons)	2023/07/18	97	60 - 130	85	80 - 120	<50	ug/g	17	30
8795348	Acid Extractable Antimony (Sb)	2023/07/18	90	75 - 125	96	80 - 120	<0.20	ug/g	14	30
8795348	Acid Extractable Arsenic (As)	2023/07/18	98	75 - 125	99	80 - 120	<1.0	ug/g	4.6	30
8795348	Acid Extractable Barium (Ba)	2023/07/18	NC	75 - 125	97	80 - 120	<0.50	ug/g	8.6	30
8795348	Acid Extractable Beryllium (Be)	2023/07/18	96	75 - 125	95	80 - 120	<0.20	ug/g	0.27	30
8795348	Acid Extractable Boron (B)	2023/07/18	89	75 - 125	94	80 - 120	<5.0	ug/g	NC	30
8795348	Acid Extractable Cadmium (Cd)	2023/07/18	95	75 - 125	94	80 - 120	<0.10	ug/g	12	30
8795348	Acid Extractable Chromium (Cr)	2023/07/18	94	75 - 125	96	80 - 120	<1.0	ug/g	2.7	30
8795348	Acid Extractable Cobalt (Co)	2023/07/18	95	75 - 125	96	80 - 120	<0.10	ug/g	10	30
8795348	Acid Extractable Copper (Cu)	2023/07/18	94	75 - 125	97	80 - 120	<0.50	ug/g	0.70	30
8795348	Acid Extractable Lead (Pb)	2023/07/18	NC	75 - 125	98	80 - 120	<1.0	ug/g	27	30
8795348	Acid Extractable Molybdenum (Mo)	2023/07/18	95	75 - 125	94	80 - 120	<0.50	ug/g	4.3	30
8795348	Acid Extractable Nickel (Ni)	2023/07/18	90	75 - 125	95	80 - 120	<0.50	ug/g	5.4	30
8795348	Acid Extractable Selenium (Se)	2023/07/18	97	75 - 125	102	80 - 120	<0.50	ug/g	NC	30
8795348	Acid Extractable Silver (Ag)	2023/07/18	97	75 - 125	98	80 - 120	<0.20	ug/g	NC	30
8795348	Acid Extractable Thallium (Tl)	2023/07/18	96	75 - 125	101	80 - 120	<0.050	ug/g	4.0	30
8795348	Acid Extractable Uranium (U)	2023/07/18	98	75 - 125	100	80 - 120	<0.050	ug/g	1.8	30
8795348	Acid Extractable Vanadium (V)	2023/07/18	NC	75 - 125	94	80 - 120	<5.0	ug/g	0.23	30
8795348	Acid Extractable Zinc (Zn)	2023/07/18	NC	75 - 125	96	80 - 120	<5.0	ug/g	1.7	30
8795479	1,1,1,2-Tetrachloroethane	2023/07/18	109	60 - 140	107	60 - 130	<0.040	ug/g	NC	50
8795479	1,1,1-Trichloroethane	2023/07/18	104	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
8795479	1,1,2,2-Tetrachloroethane	2023/07/18	102	60 - 140	108	60 - 130	<0.040	ug/g	NC	50
8795479	1,1,2-Trichloroethane	2023/07/18	111	60 - 140	112	60 - 130	<0.040	ug/g	NC	50
8795479	1,1-Dichloroethane	2023/07/18	100	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8795479	1,1-Dichloroethylene	2023/07/18	107	60 - 140	103	60 - 130	<0.040	ug/g	NC	50
8795479	1,2-Dichlorobenzene	2023/07/18	95	60 - 140	95	60 - 130	<0.040	ug/g	NC	50

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8795479	1,2-Dichloroethane	2023/07/18	95	60 - 140	97	60 - 130	<0.049	ug/g	NC	50
8795479	1,2-Dichloropropane	2023/07/18	98	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8795479	1,3-Dichlorobenzene	2023/07/18	100	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8795479	1,4-Dichlorobenzene	2023/07/18	115	60 - 140	113	60 - 130	<0.040	ug/g	NC	50
8795479	Acetone (2-Propanone)	2023/07/18	99	60 - 140	102	60 - 140	<0.49	ug/g	NC	50
8795479	Benzene	2023/07/18	94	60 - 140	94	60 - 130	<0.0060	ug/g	NC	50
8795479	Bromodichloromethane	2023/07/18	106	60 - 140	106	60 - 130	<0.040	ug/g	NC	50
8795479	Bromoform	2023/07/18	106	60 - 140	111	60 - 130	<0.040	ug/g	NC	50
8795479	Bromomethane	2023/07/18	111	60 - 140	106	60 - 140	<0.040	ug/g	NC	50
8795479	Carbon Tetrachloride	2023/07/18	107	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
8795479	Chlorobenzene	2023/07/18	99	60 - 140	99	60 - 130	<0.040	ug/g	NC	50
8795479	Chloroform	2023/07/18	104	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
8795479	cis-1,2-Dichloroethylene	2023/07/18	105	60 - 140	104	60 - 130	<0.040	ug/g	NC	50
8795479	cis-1,3-Dichloropropene	2023/07/18	92	60 - 140	95	60 - 130	<0.030	ug/g	NC	50
8795479	Dibromochloromethane	2023/07/18	106	60 - 140	107	60 - 130	<0.040	ug/g	NC	50
8795479	Dichlorodifluoromethane (FREON 12)	2023/07/18	109	60 - 140	104	60 - 140	<0.040	ug/g	NC	50
8795479	Ethylbenzene	2023/07/18	90	60 - 140	89	60 - 130	<0.010	ug/g	NC	50
8795479	Ethylene Dibromide	2023/07/18	98	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
8795479	Hexane	2023/07/18	109	60 - 140	105	60 - 130	<0.040	ug/g	NC	50
8795479	Methyl Ethyl Ketone (2-Butanone)	2023/07/18	101	60 - 140	110	60 - 140	<0.40	ug/g	NC	50
8795479	Methyl Isobutyl Ketone	2023/07/18	95	60 - 140	107	60 - 130	<0.40	ug/g	NC	50
8795479	Methyl t-butyl ether (MTBE)	2023/07/18	88	60 - 140	90	60 - 130	<0.040	ug/g	NC	50
8795479	Methylene Chloride(Dichloromethane)	2023/07/18	108	60 - 140	107	60 - 130	<0.049	ug/g	NC	50
8795479	o-Xylene	2023/07/18	89	60 - 140	90	60 - 130	<0.020	ug/g	NC	50
8795479	p+m-Xylene	2023/07/18	92	60 - 140	91	60 - 130	<0.020	ug/g	NC	50
8795479	Styrene	2023/07/18	104	60 - 140	105	60 - 130	<0.040	ug/g	NC	50
8795479	Tetrachloroethylene	2023/07/18	97	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8795479	Toluene	2023/07/18	99	60 - 140	97	60 - 130	<0.020	ug/g	NC	50
8795479	Total Xylenes	2023/07/18					<0.020	ug/g	NC	50
8795479	trans-1,2-Dichloroethylene	2023/07/18	104	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
8795479	trans-1,3-Dichloropropene	2023/07/18	103	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
8795479	Trichloroethylene	2023/07/18	104	60 - 140	102	60 - 130	<0.010	ug/g	NC	50

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8795479	Trichlorofluoromethane (FREON 11)	2023/07/18	106	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
8795479	Vinyl Chloride	2023/07/18	114	60 - 140	109	60 - 130	<0.019	ug/g	NC	50
8800292	1-Methylnaphthalene	2023/07/20	104	50 - 130	112	50 - 130	<0.0050	ug/g	NC	40
8800292	2-Methylnaphthalene	2023/07/20	97	50 - 130	105	50 - 130	<0.0050	ug/g	NC	40
8800292	Acenaphthene	2023/07/20	98	50 - 130	106	50 - 130	<0.0050	ug/g	NC	40
8800292	Acenaphthylene	2023/07/20	90	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
8800292	Anthracene	2023/07/20	99	50 - 130	101	50 - 130	<0.0050	ug/g	NC	40
8800292	Benzo(a)anthracene	2023/07/20	96	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
8800292	Benzo(a)pyrene	2023/07/20	89	50 - 130	93	50 - 130	<0.0050	ug/g	NC	40
8800292	Benzo(b/j)fluoranthene	2023/07/20	91	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
8800292	Benzo(g,h,i)perylene	2023/07/20	91	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
8800292	Benzo(k)fluoranthene	2023/07/20	95	50 - 130	101	50 - 130	<0.0050	ug/g	NC	40
8800292	Chrysene	2023/07/20	97	50 - 130	102	50 - 130	<0.0050	ug/g	NC	40
8800292	Dibenzo(a,h)anthracene	2023/07/20	85	50 - 130	90	50 - 130	<0.0050	ug/g	NC	40
8800292	Fluoranthene	2023/07/20	99	50 - 130	103	50 - 130	<0.0050	ug/g	NC	40
8800292	Fluorene	2023/07/20	105	50 - 130	108	50 - 130	<0.0050	ug/g	NC	40
8800292	Indeno(1,2,3-cd)pyrene	2023/07/20	87	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
8800292	Naphthalene	2023/07/20	99	50 - 130	109	50 - 130	<0.0050	ug/g	NC	40
8800292	Phenanthrene	2023/07/20	95	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
8800292	Pyrene	2023/07/20	99	50 - 130	103	50 - 130	<0.0050	ug/g	NC	40
8800541	F4G-sg (Grav. Heavy Hydrocarbons)	2023/07/20	88	65 - 135	102	65 - 135	<100	ug/g	9.7	50

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 2103035
Site Location: 424 CHURCHILL AVENUE
Your C.O.C. #: n/a

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/07/31
Report #: R7742659
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3L8902
Received: 2023/07/21, 10:52

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	1	N/A	2023/07/27	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum (1)	1	N/A	2023/07/28		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Soil (1, 2)	1	2023/07/26	2023/07/28	CAM SOP-00316	CCME CWS m
F4G (CCME Hydrocarbons Gravimetric) (1)	1	2023/07/29	2023/07/29	CAM SOP-00316	CCME PHC-CWS m
Acid Extractable Metals by ICPMS (1)	1	2023/07/26	2023/07/27	CAM SOP-00447	EPA 6020B m
Moisture (1)	1	N/A	2023/07/26	CAM SOP-00445	Carter 2nd ed 51.2 m
PAH Compounds in Soil by GC/MS (SIM) (1)	1	2023/07/26	2023/07/27	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs (1)	1	N/A	2023/07/28	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the

Your Project #: 2103035
Site Location: 424 CHURCHILL AVENUE
Your C.O.C. #: n/a

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/07/31
Report #: R7742659
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3L8902
Received: 2023/07/21, 10:52

reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
==========
This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C3L8902
Report Date: 2023/07/31

Englobe Corp.
Client Project #: 2103035
Site Location: 424 CHURCHILL AVENUE
Sampler Initials: JB

O.REG 153 ICPMS METALS (SOIL)

Bureau Veritas ID		WLV921		
Sampling Date		2023/07/20 09:00		
COC Number		n/a		
	UNITS	MW23-3 SS1	RDL	QC Batch
Metals				
Acid Extractable Antimony (Sb)	ug/g	0.37	0.20	8814117
Acid Extractable Arsenic (As)	ug/g	2.2	1.0	8814117
Acid Extractable Barium (Ba)	ug/g	180	0.50	8814117
Acid Extractable Beryllium (Be)	ug/g	0.32	0.20	8814117
Acid Extractable Boron (B)	ug/g	12	5.0	8814117
Acid Extractable Cadmium (Cd)	ug/g	0.10	0.10	8814117
Acid Extractable Chromium (Cr)	ug/g	14	1.0	8814117
Acid Extractable Cobalt (Co)	ug/g	9.4	0.10	8814117
Acid Extractable Copper (Cu)	ug/g	27	0.50	8814117
Acid Extractable Lead (Pb)	ug/g	46	1.0	8814117
Acid Extractable Molybdenum (Mo)	ug/g	1.3	0.50	8814117
Acid Extractable Nickel (Ni)	ug/g	18	0.50	8814117
Acid Extractable Selenium (Se)	ug/g	<0.50	0.50	8814117
Acid Extractable Silver (Ag)	ug/g	<0.20	0.20	8814117
Acid Extractable Thallium (Tl)	ug/g	0.32	0.050	8814117
Acid Extractable Uranium (U)	ug/g	0.46	0.050	8814117
Acid Extractable Vanadium (V)	ug/g	14	5.0	8814117
Acid Extractable Zinc (Zn)	ug/g	57	5.0	8814117

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PAHS (SOIL)

Bureau Veritas ID		WLV921		
Sampling Date		2023/07/20 09:00		
COC Number		n/a		
	UNITS	MW23-3 SS1	RDL	QC Batch
Calculated Parameters				
Methylnaphthalene, 2-(1-)	ug/g	<0.071	0.071	8807809
Polyaromatic Hydrocarbons				
Acenaphthene	ug/g	<0.050	0.050	8815235
Acenaphthylene	ug/g	<0.050	0.050	8815235
Anthracene	ug/g	0.059	0.050	8815235
Benzo(a)anthracene	ug/g	0.21	0.050	8815235
Benzo(a)pyrene	ug/g	0.19	0.050	8815235
Benzo(b/j)fluoranthene	ug/g	0.26	0.050	8815235
Benzo(g,h,i)perylene	ug/g	0.12	0.050	8815235
Benzo(k)fluoranthene	ug/g	0.095	0.050	8815235
Chrysene	ug/g	0.16	0.050	8815235
Dibenzo(a,h)anthracene	ug/g	<0.050	0.050	8815235
Fluoranthene	ug/g	0.41	0.050	8815235
Fluorene	ug/g	<0.050	0.050	8815235
Indeno(1,2,3-cd)pyrene	ug/g	0.12	0.050	8815235
1-Methylnaphthalene	ug/g	<0.050	0.050	8815235
2-Methylnaphthalene	ug/g	<0.050	0.050	8815235
Naphthalene	ug/g	<0.050	0.050	8815235
Phenanthrene	ug/g	0.20	0.050	8815235
Pyrene	ug/g	0.34	0.050	8815235
Surrogate Recovery (%)				
D10-Anthracene	%	101		8815235
D14-Terphenyl (FS)	%	96		8815235
D8-Acenaphthylene	%	89		8815235

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		WLV921		
Sampling Date		2023/07/20 09:00		
COC Number		n/a		
	UNITS	MW23-3 SS1	RDL	QC Batch
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/g	<0.050	0.050	8807810
Volatile Organics				
Acetone (2-Propanone)	ug/g	<0.49	0.49	8811519
Benzene	ug/g	<0.0060	0.0060	8811519
Bromodichloromethane	ug/g	<0.040	0.040	8811519
Bromoform	ug/g	<0.040	0.040	8811519
Bromomethane	ug/g	<0.040	0.040	8811519
Carbon Tetrachloride	ug/g	<0.040	0.040	8811519
Chlorobenzene	ug/g	<0.040	0.040	8811519
Chloroform	ug/g	<0.040	0.040	8811519
Dibromochloromethane	ug/g	<0.040	0.040	8811519
1,2-Dichlorobenzene	ug/g	<0.040	0.040	8811519
1,3-Dichlorobenzene	ug/g	<0.040	0.040	8811519
1,4-Dichlorobenzene	ug/g	<0.040	0.040	8811519
Dichlorodifluoromethane (FREON 12)	ug/g	<0.040	0.040	8811519
1,1-Dichloroethane	ug/g	<0.040	0.040	8811519
1,2-Dichloroethane	ug/g	<0.049	0.049	8811519
1,1-Dichloroethylene	ug/g	<0.040	0.040	8811519
cis-1,2-Dichloroethylene	ug/g	<0.040	0.040	8811519
trans-1,2-Dichloroethylene	ug/g	<0.040	0.040	8811519
1,2-Dichloropropane	ug/g	<0.040	0.040	8811519
cis-1,3-Dichloropropene	ug/g	<0.030	0.030	8811519
trans-1,3-Dichloropropene	ug/g	<0.040	0.040	8811519
Ethylbenzene	ug/g	<0.010	0.010	8811519
Ethylene Dibromide	ug/g	<0.040	0.040	8811519
Hexane	ug/g	0.062	0.040	8811519
Methylene Chloride(Dichloromethane)	ug/g	<0.049	0.049	8811519
Methyl Ethyl Ketone (2-Butanone)	ug/g	<0.40	0.40	8811519
Methyl Isobutyl Ketone	ug/g	<0.40	0.40	8811519
Methyl t-butyl ether (MTBE)	ug/g	<0.040	0.040	8811519
Styrene	ug/g	<0.040	0.040	8811519
1,1,1,2-Tetrachloroethane	ug/g	<0.040	0.040	8811519
1,1,2,2-Tetrachloroethane	ug/g	<0.040	0.040	8811519

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID		WLV921		
Sampling Date		2023/07/20 09:00		
COC Number		n/a		
	UNITS	MW23-3 SS1	RDL	QC Batch
Tetrachloroethylene	ug/g	0.23	0.040	8811519
Toluene	ug/g	<0.020	0.020	8811519
1,1,1-Trichloroethane	ug/g	<0.040	0.040	8811519
1,1,2-Trichloroethane	ug/g	<0.040	0.040	8811519
Trichloroethylene	ug/g	<0.010	0.010	8811519
Trichlorofluoromethane (FREON 11)	ug/g	<0.040	0.040	8811519
Vinyl Chloride	ug/g	<0.019	0.019	8811519
p+m-Xylene	ug/g	<0.020	0.020	8811519
o-Xylene	ug/g	<0.020	0.020	8811519
Total Xylenes	ug/g	<0.020	0.020	8811519
F1 (C6-C10)	ug/g	<10	10	8811519
F1 (C6-C10) - BTEX	ug/g	<10	10	8811519
F2-F4 Hydrocarbons				
F2 (C10-C16 Hydrocarbons)	ug/g	<10	10	8814600
F3 (C16-C34 Hydrocarbons)	ug/g	<50	50	8814600
F4 (C34-C50 Hydrocarbons)	ug/g	170	50	8814600
Reached Baseline at C50	ug/g	No		8814600
Surrogate Recovery (%)				
o-Terphenyl	%	105		8814600
4-Bromofluorobenzene	%	94		8811519
D10-o-Xylene	%	100		8811519
D4-1,2-Dichloroethane	%	102		8811519
D8-Toluene	%	95		8811519

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C3L8902
Report Date: 2023/07/31

Englobe Corp.
Client Project #: 2103035
Site Location: 424 CHURCHILL AVENUE
Sampler Initials: JB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		WLV921		
Sampling Date		2023/07/20 09:00		
COC Number		n/a		
	UNITS	MW23-3 SS1	RDL	QC Batch
Inorganics				
Moisture	%	8.6	1.0	8813903

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C3L8902
Report Date: 2023/07/31

Englobe Corp.
Client Project #: 2103035
Site Location: 424 CHURCHILL AVENUE
Sampler Initials: JB

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		WLV921	WLV921		
Sampling Date		2023/07/20 09:00	2023/07/20 09:00		
COC Number		n/a	n/a		
	UNITS	MW23-3 SS1	MW23-3 SS1 Lab-Dup	RDL	QC Batch
F2-F4 Hydrocarbons					
F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	640	640	100	8820890

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C3L8902
Report Date: 2023/07/31

Englobe Corp.
Client Project #: 2103035
Site Location: 424 CHURCHILL AVENUE
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WLV921
Sample ID: MW23-3 SS1
Matrix: Soil

Collected: 2023/07/20
Shipped:
Received: 2023/07/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8807809	N/A	2023/07/27	Automated Statchk
1,3-Dichloropropene Sum	CALC	8807810	N/A	2023/07/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8814600	2023/07/26	2023/07/28	Agnieszka Brzuzy-Snopko
F4G (CCME Hydrocarbons Gravimetric)	BAL	8820890	2023/07/29	2023/07/29	Alketa Vrapi
Acid Extractable Metals by ICPMS	ICP/MS	8814117	2023/07/26	2023/07/27	Daniel Teclu
Moisture	BAL	8813903	N/A	2023/07/26	Simrat Bhathal
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8815235	2023/07/26	2023/07/27	Mitesh Raj
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8811519	N/A	2023/07/28	Juan Pangilinan

Bureau Veritas ID: WLV921 Dup
Sample ID: MW23-3 SS1
Matrix: Soil

Collected: 2023/07/20
Shipped:
Received: 2023/07/21

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
F4G (CCME Hydrocarbons Gravimetric)	BAL	8820890	2023/07/29	2023/07/29	Alketa Vrapi

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	5.7°C

Sample WLV921 [MW23-3 SS1] : PAH ANALYSIS: Due to the sample matrix, sample required dilution. Detection limit was adjusted accordingly.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8811519	4-Bromofluorobenzene	2023/07/27	100	60 - 140	99	60 - 140	94	%		
8811519	D10-o-Xylene	2023/07/27	119	60 - 130	99	60 - 130	102	%		
8811519	D4-1,2-Dichloroethane	2023/07/27	98	60 - 140	100	60 - 140	101	%		
8811519	D8-Toluene	2023/07/27	102	60 - 140	101	60 - 140	96	%		
8814600	o-Terphenyl	2023/07/28	105	60 - 130	107	60 - 130	101	%		
8815235	D10-Anthracene	2023/07/27	102	50 - 130	105	50 - 130	106	%		
8815235	D14-Terphenyl (FS)	2023/07/27	98	50 - 130	102	50 - 130	101	%		
8815235	D8-Acenaphthylene	2023/07/27	94	50 - 130	98	50 - 130	97	%		
8811519	1,1,1,2-Tetrachloroethane	2023/07/27	89	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
8811519	1,1,1-Trichloroethane	2023/07/27	91	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
8811519	1,1,2,2-Tetrachloroethane	2023/07/27	86	60 - 140	89	60 - 130	<0.040	ug/g	NC	50
8811519	1,1,2-Trichloroethane	2023/07/27	91	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
8811519	1,1-Dichloroethane	2023/07/27	88	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8811519	1,1-Dichloroethylene	2023/07/27	93	60 - 140	99	60 - 130	<0.040	ug/g	NC	50
8811519	1,2-Dichlorobenzene	2023/07/27	87	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
8811519	1,2-Dichloroethane	2023/07/27	84	60 - 140	89	60 - 130	<0.049	ug/g	NC	50
8811519	1,2-Dichloropropane	2023/07/27	86	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
8811519	1,3-Dichlorobenzene	2023/07/27	85	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
8811519	1,4-Dichlorobenzene	2023/07/27	97	60 - 140	109	60 - 130	<0.040	ug/g	NC	50
8811519	Acetone (2-Propanone)	2023/07/27	91	60 - 140	98	60 - 140	<0.49	ug/g	NC	50
8811519	Benzene	2023/07/27	84	60 - 140	89	60 - 130	<0.0060	ug/g	NC	50
8811519	Bromodichloromethane	2023/07/27	89	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
8811519	Bromoform	2023/07/27	87	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8811519	Bromomethane	2023/07/27	81	60 - 140	96	60 - 140	<0.040	ug/g	NC	50
8811519	Carbon Tetrachloride	2023/07/27	88	60 - 140	96	60 - 130	<0.040	ug/g	NC	50
8811519	Chlorobenzene	2023/07/27	89	60 - 140	96	60 - 130	<0.040	ug/g	NC	50
8811519	Chloroform	2023/07/27	88	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8811519	cis-1,2-Dichloroethylene	2023/07/27	88	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
8811519	cis-1,3-Dichloropropene	2023/07/27	62	60 - 140	92	60 - 130	<0.030	ug/g	NC	50
8811519	Dibromochloromethane	2023/07/27	86	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
8811519	Dichlorodifluoromethane (FREON 12)	2023/07/27	96	60 - 140	97	60 - 140	<0.040	ug/g	NC	50
8811519	Ethylbenzene	2023/07/27	81	60 - 140	87	60 - 130	<0.010	ug/g	NC	50

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8811519	Ethylene Dibromide	2023/07/27	86	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
8811519	F1 (C6-C10) - BTEX	2023/07/27					<10	ug/g	NC	30
8811519	F1 (C6-C10)	2023/07/27	87	60 - 140	87	80 - 120	<10	ug/g	NC	30
8811519	Hexane	2023/07/27	95	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
8811519	Methyl Ethyl Ketone (2-Butanone)	2023/07/27	96	60 - 140	102	60 - 140	<0.40	ug/g	NC	50
8811519	Methyl Isobutyl Ketone	2023/07/27	92	60 - 140	100	60 - 130	<0.40	ug/g	NC	50
8811519	Methyl t-butyl ether (MTBE)	2023/07/27	85	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
8811519	Methylene Chloride(Dichloromethane)	2023/07/27	90	60 - 140	96	60 - 130	<0.049	ug/g	NC	50
8811519	o-Xylene	2023/07/27	83	60 - 140	89	60 - 130	<0.020	ug/g	NC	50
8811519	p+m-Xylene	2023/07/27	83	60 - 140	91	60 - 130	<0.020	ug/g	NC	50
8811519	Styrene	2023/07/27	92	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8811519	Tetrachloroethylene	2023/07/27	79	60 - 140	85	60 - 130	<0.040	ug/g	NC	50
8811519	Toluene	2023/07/27	89	60 - 140	95	60 - 130	<0.020	ug/g	NC	50
8811519	Total Xylenes	2023/07/27					<0.020	ug/g	NC	50
8811519	trans-1,2-Dichloroethylene	2023/07/27	85	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8811519	trans-1,3-Dichloropropene	2023/07/27	64	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
8811519	Trichloroethylene	2023/07/27	91	60 - 140	99	60 - 130	<0.010	ug/g	NC	50
8811519	Trichlorofluoromethane (FREON 11)	2023/07/27	91	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
8811519	Vinyl Chloride	2023/07/27	95	60 - 140	98	60 - 130	<0.019	ug/g	NC	50
8813903	Moisture	2023/07/26							2.3	20
8814117	Acid Extractable Antimony (Sb)	2023/07/27	97	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
8814117	Acid Extractable Arsenic (As)	2023/07/27	101	75 - 125	98	80 - 120	<1.0	ug/g	2.2	30
8814117	Acid Extractable Barium (Ba)	2023/07/27	NC	75 - 125	94	80 - 120	<0.50	ug/g	0.51	30
8814117	Acid Extractable Beryllium (Be)	2023/07/27	94	75 - 125	93	80 - 120	<0.20	ug/g	5.9	30
8814117	Acid Extractable Boron (B)	2023/07/27	92	75 - 125	91	80 - 120	<5.0	ug/g	5.0	30
8814117	Acid Extractable Cadmium (Cd)	2023/07/27	100	75 - 125	97	80 - 120	<0.10	ug/g	NC	30
8814117	Acid Extractable Chromium (Cr)	2023/07/27	104	75 - 125	97	80 - 120	<1.0	ug/g	5.7	30
8814117	Acid Extractable Cobalt (Co)	2023/07/27	99	75 - 125	97	80 - 120	<0.10	ug/g	6.7	30
8814117	Acid Extractable Copper (Cu)	2023/07/27	93	75 - 125	93	80 - 120	<0.50	ug/g	3.8	30
8814117	Acid Extractable Lead (Pb)	2023/07/27	98	75 - 125	98	80 - 120	<1.0	ug/g	5.5	30
8814117	Acid Extractable Molybdenum (Mo)	2023/07/27	99	75 - 125	94	80 - 120	<0.50	ug/g	NC	30
8814117	Acid Extractable Nickel (Ni)	2023/07/27	101	75 - 125	100	80 - 120	<0.50	ug/g	4.7	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8814117	Acid Extractable Selenium (Se)	2023/07/27	103	75 - 125	102	80 - 120	<0.50	ug/g	NC	30
8814117	Acid Extractable Silver (Ag)	2023/07/27	105	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
8814117	Acid Extractable Thallium (Tl)	2023/07/27	102	75 - 125	103	80 - 120	<0.050	ug/g	4.2	30
8814117	Acid Extractable Uranium (U)	2023/07/27	102	75 - 125	99	80 - 120	<0.050	ug/g	5.0	30
8814117	Acid Extractable Vanadium (V)	2023/07/27	106	75 - 125	95	80 - 120	<5.0	ug/g	6.5	30
8814117	Acid Extractable Zinc (Zn)	2023/07/27	99	75 - 125	100	80 - 120	<5.0	ug/g	3.1	30
8814600	F2 (C10-C16 Hydrocarbons)	2023/07/28	116	60 - 130	109	80 - 120	<10	ug/g	NC	30
8814600	F3 (C16-C34 Hydrocarbons)	2023/07/28	119	60 - 130	117	80 - 120	<50	ug/g	NC	30
8814600	F4 (C34-C50 Hydrocarbons)	2023/07/28	117	60 - 130	115	80 - 120	<50	ug/g	NC	30
8815235	1-Methylnaphthalene	2023/07/27	113	50 - 130	117	50 - 130	<0.0050	ug/g	NC	40
8815235	2-Methylnaphthalene	2023/07/27	104	50 - 130	108	50 - 130	<0.0050	ug/g	NC	40
8815235	Acenaphthene	2023/07/27	102	50 - 130	106	50 - 130	<0.0050	ug/g	NC	40
8815235	Acenaphthylene	2023/07/27	100	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40
8815235	Anthracene	2023/07/27	106	50 - 130	110	50 - 130	<0.0050	ug/g	NC	40
8815235	Benzo(a)anthracene	2023/07/27	107	50 - 130	110	50 - 130	<0.0050	ug/g	NC	40
8815235	Benzo(a)pyrene	2023/07/27	100	50 - 130	103	50 - 130	<0.0050	ug/g	NC	40
8815235	Benzo(b/j)fluoranthene	2023/07/27	104	50 - 130	107	50 - 130	<0.0050	ug/g	NC	40
8815235	Benzo(g,h,i)perylene	2023/07/27	110	50 - 130	114	50 - 130	<0.0050	ug/g	NC	40
8815235	Benzo(k)fluoranthene	2023/07/27	101	50 - 130	106	50 - 130	<0.0050	ug/g	NC	40
8815235	Chrysene	2023/07/27	104	50 - 130	108	50 - 130	<0.0050	ug/g	NC	40
8815235	Dibenzo(a,h)anthracene	2023/07/27	106	50 - 130	110	50 - 130	<0.0050	ug/g	NC	40
8815235	Fluoranthene	2023/07/27	105	50 - 130	109	50 - 130	<0.0050	ug/g	NC	40
8815235	Fluorene	2023/07/27	102	50 - 130	105	50 - 130	<0.0050	ug/g	NC	40
8815235	Indeno(1,2,3-cd)pyrene	2023/07/27	105	50 - 130	108	50 - 130	<0.0050	ug/g	NC	40
8815235	Naphthalene	2023/07/27	100	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40
8815235	Phenanthrene	2023/07/27	102	50 - 130	105	50 - 130	<0.0050	ug/g	NC	40
8815235	Pyrene	2023/07/27	105	50 - 130	110	50 - 130	<0.0050	ug/g	NC	40

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8820890	F4G-sg (Grav. Heavy Hydrocarbons)	2023/07/29	73	65 - 135	101	65 - 135	<100	ug/g	0	50

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

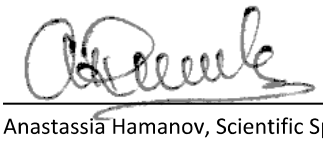
Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

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Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035.000
Site#: 424 Churchill Avenue North
Site Location: 424 Churchill Avenue North, Otawa
Your C.O.C. #: 947903-02-01

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/08/31
Report #: R7790727
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3O7276
Received: 2023/08/15, 14:01

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	1	N/A	2023/08/28	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum (1)	3	N/A	2023/08/28		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	1	2023/08/24	2023/08/26	CAM SOP-00316	CCME PHC-CWS m
Dissolved Metals by ICPMS (1)	1	N/A	2023/08/29	CAM SOP-00447	EPA 6020B m
PAH Compounds in Water by GC/MS (SIM) (1)	1	2023/08/24	2023/08/26	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs (1)	1	N/A	2023/08/25	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds in Water (1)	2	N/A	2023/08/25	CAM SOP-00228	EPA 8260D

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s

Your Project #: 02103035.000
Site#: 424 Churchill Avenue North
Site Location: 424 Churchill Avenue North, Otawa
Your C.O.C. #: 947903-02-01

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
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CANADA K1B 5R6

Report Date: 2023/08/31
Report #: R7790727
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3O7276

Received: 2023/08/15, 14:01

Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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This report has been generated and distributed using a secure automated process.
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O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID		WRW144	WRW144		
Sampling Date		2023/08/15 11:00	2023/08/15 11:00		
COC Number		947903-02-01	947903-02-01		
	UNITS	MW21-3	MW21-3 Lab-Dup	RDL	QC Batch
Metals					
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	0.50	8874818
Dissolved Arsenic (As)	ug/L	<1.0	<1.0	1.0	8874818
Dissolved Barium (Ba)	ug/L	64	63	2.0	8874818
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	0.40	8874818
Dissolved Boron (B)	ug/L	250	250	10	8874818
Dissolved Cadmium (Cd)	ug/L	<0.090	<0.090	0.090	8874818
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	5.0	8874818
Dissolved Cobalt (Co)	ug/L	<0.50	<0.50	0.50	8874818
Dissolved Copper (Cu)	ug/L	3.4	3.4	0.90	8874818
Dissolved Lead (Pb)	ug/L	<0.50	<0.50	0.50	8874818
Dissolved Molybdenum (Mo)	ug/L	8.9	8.9	0.50	8874818
Dissolved Nickel (Ni)	ug/L	5.5	5.8	1.0	8874818
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	2.0	8874818
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	0.090	8874818
Dissolved Sodium (Na)	ug/L	340000	360000	100	8874818
Dissolved Thallium (Tl)	ug/L	0.38	0.38	0.050	8874818
Dissolved Uranium (U)	ug/L	1.8	1.8	0.10	8874818
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	0.50	8874818
Dissolved Zinc (Zn)	ug/L	6.1	6.1	5.0	8874818

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 PAHS (WATER)

Bureau Veritas ID		WRW144		
Sampling Date		2023/08/15 11:00		
COC Number		947903-02-01		
	UNITS	MW21-3	RDL	QC Batch
Calculated Parameters				
Methylnaphthalene, 2-(1-)	ug/L	<0.071	0.071	8870704
Polyaromatic Hydrocarbons				
Acenaphthene	ug/L	<0.050	0.050	8874330
Acenaphthylene	ug/L	<0.050	0.050	8874330
Anthracene	ug/L	<0.050	0.050	8874330
Benzo(a)anthracene	ug/L	<0.050	0.050	8874330
Benzo(a)pyrene	ug/L	<0.0090	0.0090	8874330
Benzo(b/j)fluoranthene	ug/L	<0.050	0.050	8874330
Benzo(g,h,i)perylene	ug/L	<0.050	0.050	8874330
Benzo(k)fluoranthene	ug/L	<0.050	0.050	8874330
Chrysene	ug/L	<0.050	0.050	8874330
Dibenzo(a,h)anthracene	ug/L	<0.050	0.050	8874330
Fluoranthene	ug/L	<0.050	0.050	8874330
Fluorene	ug/L	<0.050	0.050	8874330
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	0.050	8874330
1-Methylnaphthalene	ug/L	<0.050	0.050	8874330
2-Methylnaphthalene	ug/L	<0.050	0.050	8874330
Naphthalene	ug/L	<0.050	0.050	8874330
Phenanthrene	ug/L	<0.030	0.030	8874330
Pyrene	ug/L	<0.050	0.050	8874330
Surrogate Recovery (%)				
D10-Anthracene	%	109		8874330
D14-Terphenyl (FS)	%	94		8874330
D8-Acenaphthylene	%	94		8874330

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		WRW144		
Sampling Date		2023/08/15 11:00		
COC Number		947903-02-01		
	UNITS	MW21-3	RDL	QC Batch
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	8870701
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	8874251
Benzene	ug/L	<0.17	0.17	8874251
Bromodichloromethane	ug/L	<0.50	0.50	8874251
Bromoform	ug/L	<1.0	1.0	8874251
Bromomethane	ug/L	<0.50	0.50	8874251
Carbon Tetrachloride	ug/L	<0.20	0.20	8874251
Chlorobenzene	ug/L	<0.20	0.20	8874251
Chloroform	ug/L	0.27	0.20	8874251
Dibromochloromethane	ug/L	<0.50	0.50	8874251
1,2-Dichlorobenzene	ug/L	<0.50	0.50	8874251
1,3-Dichlorobenzene	ug/L	<0.50	0.50	8874251
1,4-Dichlorobenzene	ug/L	<0.50	0.50	8874251
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	8874251
1,1-Dichloroethane	ug/L	<0.20	0.20	8874251
1,2-Dichloroethane	ug/L	<0.50	0.50	8874251
1,1-Dichloroethylene	ug/L	<0.20	0.20	8874251
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	8874251
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	8874251
1,2-Dichloropropane	ug/L	<0.20	0.20	8874251
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	8874251
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	8874251
Ethylbenzene	ug/L	<0.20	0.20	8874251
Ethylene Dibromide	ug/L	<0.20	0.20	8874251
Hexane	ug/L	<1.0	1.0	8874251
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	8874251
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	8874251
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	8874251
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	8874251
Styrene	ug/L	<0.50	0.50	8874251
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	8874251
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	8874251

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		WRW144		
Sampling Date		2023/08/15 11:00		
COC Number		947903-02-01		
	UNITS	MW21-3	RDL	QC Batch
Tetrachloroethylene	ug/L	2.4	0.20	8874251
Toluene	ug/L	<0.20	0.20	8874251
1,1,1-Trichloroethane	ug/L	<0.20	0.20	8874251
1,1,2-Trichloroethane	ug/L	<0.50	0.50	8874251
Trichloroethylene	ug/L	0.72	0.20	8874251
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	8874251
Vinyl Chloride	ug/L	<0.20	0.20	8874251
p+m-Xylene	ug/L	<0.20	0.20	8874251
o-Xylene	ug/L	<0.20	0.20	8874251
Total Xylenes	ug/L	<0.20	0.20	8874251
F1 (C6-C10)	ug/L	<25	25	8874251
F1 (C6-C10) - BTEX	ug/L	<25	25	8874251
F2-F4 Hydrocarbons				
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	8874333
F3 (C16-C34 Hydrocarbons)	ug/L	<200	200	8874333
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	8874333
Reached Baseline at C50	ug/L	Yes		8874333
Surrogate Recovery (%)				
o-Terphenyl	%	100		8874333
4-Bromofluorobenzene	%	98		8874251
D4-1,2-Dichloroethane	%	108		8874251
D8-Toluene	%	92		8874251

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID		WRW145	WRW146		
Sampling Date		2023/08/15 11:00	2023/08/15 11:00		
COC Number		947903-02-01	947903-02-01		
	UNITS	F. BLANK	T. BLANK	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	0.50	8870701
Volatile Organics					
Acetone (2-Propanone)	ug/L	<10	<10	10	8874098
Benzene	ug/L	<0.20	<0.20	0.20	8874098
Bromodichloromethane	ug/L	<0.50	<0.50	0.50	8874098
Bromoform	ug/L	<1.0	<1.0	1.0	8874098
Bromomethane	ug/L	<0.50	<0.50	0.50	8874098
Carbon Tetrachloride	ug/L	<0.19	<0.19	0.19	8874098
Chlorobenzene	ug/L	<0.20	<0.20	0.20	8874098
Chloroform	ug/L	<0.20	<0.20	0.20	8874098
Dibromochloromethane	ug/L	<0.50	<0.50	0.50	8874098
1,2-Dichlorobenzene	ug/L	<0.40	<0.40	0.40	8874098
1,3-Dichlorobenzene	ug/L	<0.40	<0.40	0.40	8874098
1,4-Dichlorobenzene	ug/L	<0.40	<0.40	0.40	8874098
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	1.0	8874098
1,1-Dichloroethane	ug/L	<0.20	<0.20	0.20	8874098
1,2-Dichloroethane	ug/L	<0.49	<0.49	0.49	8874098
1,1-Dichloroethylene	ug/L	<0.20	<0.20	0.20	8874098
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	8874098
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	8874098
1,2-Dichloropropane	ug/L	<0.20	<0.20	0.20	8874098
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	0.30	8874098
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	0.40	8874098
Ethylbenzene	ug/L	<0.20	<0.20	0.20	8874098
Ethylene Dibromide	ug/L	<0.19	<0.19	0.19	8874098
Hexane	ug/L	<1.0	<1.0	1.0	8874098
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	2.0	8874098
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	10	8874098
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	5.0	8874098
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	0.50	8874098
Styrene	ug/L	<0.40	<0.40	0.40	8874098
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	8874098
1,1,2,2-Tetrachloroethane	ug/L	<0.40	<0.40	0.40	8874098

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID		WRW145	WRW146		
Sampling Date		2023/08/15 11:00	2023/08/15 11:00		
COC Number		947903-02-01	947903-02-01		
	UNITS	F. BLANK	T. BLANK	RDL	QC Batch
Tetrachloroethylene	ug/L	<0.20	<0.20	0.20	8874098
Toluene	ug/L	<0.20	<0.20	0.20	8874098
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	0.20	8874098
1,1,2-Trichloroethane	ug/L	<0.40	<0.40	0.40	8874098
Trichloroethylene	ug/L	<0.20	<0.20	0.20	8874098
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	0.50	8874098
Vinyl Chloride	ug/L	<0.20	<0.20	0.20	8874098
p+m-Xylene	ug/L	<0.20	<0.20	0.20	8874098
o-Xylene	ug/L	<0.20	<0.20	0.20	8874098
Total Xylenes	ug/L	<0.20	<0.20	0.20	8874098
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	101	100		8874098
D4-1,2-Dichloroethane	%	108	107		8874098
D8-Toluene	%	92	92		8874098

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C3O7276
Report Date: 2023/08/31

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WRW144
Sample ID: MW21-3
Matrix: Water

Collected: 2023/08/15
Shipped:
Received: 2023/08/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8870704	N/A	2023/08/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	8870701	N/A	2023/08/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8874333	2023/08/24	2023/08/26	Dennis Ngondu
Dissolved Metals by ICPMS	ICP/MS	8874818	N/A	2023/08/29	Nan Raykha
PAH Compounds in Water by GC/MS (SIM)	GC/MS	8874330	2023/08/24	2023/08/26	Jonghan Yoon
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8874251	N/A	2023/08/25	Juan Pangilinan

Bureau Veritas ID: WRW144 Dup
Sample ID: MW21-3
Matrix: Water

Collected: 2023/08/15
Shipped:
Received: 2023/08/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	8874818	N/A	2023/08/29	Nan Raykha

Bureau Veritas ID: WRW145
Sample ID: F. BLANK
Matrix: Water

Collected: 2023/08/15
Shipped:
Received: 2023/08/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8870701	N/A	2023/08/28	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	8874098	N/A	2023/08/25	Gabriella Morrone

Bureau Veritas ID: WRW146
Sample ID: T. BLANK
Matrix: Water

Collected: 2023/08/15
Shipped:
Received: 2023/08/15

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8870701	N/A	2023/08/28	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	8874098	N/A	2023/08/25	Gabriella Morrone

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	13.0°C

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874098	4-Bromofluorobenzene	2023/08/25	100	70 - 130	100	70 - 130	102	%		
8874098	D4-1,2-Dichloroethane	2023/08/25	101	70 - 130	101	70 - 130	105	%		
8874098	D8-Toluene	2023/08/25	103	70 - 130	103	70 - 130	93	%		
8874251	4-Bromofluorobenzene	2023/08/25	99	70 - 130	101	70 - 130	97	%		
8874251	D4-1,2-Dichloroethane	2023/08/25	116	70 - 130	111	70 - 130	104	%		
8874251	D8-Toluene	2023/08/25	103	70 - 130	103	70 - 130	92	%		
8874330	D10-Anthracene	2023/08/25	103	50 - 130	114	50 - 130	115	%		
8874330	D14-Terphenyl (FS)	2023/08/25	107	50 - 130	113	50 - 130	117	%		
8874330	D8-Acenaphthylene	2023/08/25	89	50 - 130	94	50 - 130	92	%		
8874333	o-Terphenyl	2023/08/26	102	60 - 130	99	60 - 130	98	%		
8874098	1,1,1,2-Tetrachloroethane	2023/08/25	97	70 - 130	98	70 - 130	<0.50	ug/L		
8874098	1,1,1-Trichloroethane	2023/08/25	94	70 - 130	95	70 - 130	<0.20	ug/L		
8874098	1,1,2,2-Tetrachloroethane	2023/08/25	101	70 - 130	102	70 - 130	<0.40	ug/L		
8874098	1,1,2-Trichloroethane	2023/08/25	107	70 - 130	108	70 - 130	<0.40	ug/L		
8874098	1,1-Dichloroethane	2023/08/25	99	70 - 130	101	70 - 130	<0.20	ug/L		
8874098	1,1-Dichloroethylene	2023/08/25	97	70 - 130	99	70 - 130	<0.20	ug/L		
8874098	1,2-Dichlorobenzene	2023/08/25	94	70 - 130	96	70 - 130	<0.40	ug/L		
8874098	1,2-Dichloroethane	2023/08/25	98	70 - 130	100	70 - 130	<0.49	ug/L		
8874098	1,2-Dichloropropane	2023/08/25	103	70 - 130	105	70 - 130	<0.20	ug/L		
8874098	1,3-Dichlorobenzene	2023/08/25	94	70 - 130	95	70 - 130	<0.40	ug/L		
8874098	1,4-Dichlorobenzene	2023/08/25	92	70 - 130	94	70 - 130	<0.40	ug/L		
8874098	Acetone (2-Propanone)	2023/08/25	104	60 - 140	108	60 - 140	<10	ug/L		
8874098	Benzene	2023/08/25	95	70 - 130	97	70 - 130	<0.20	ug/L		
8874098	Bromodichloromethane	2023/08/25	95	70 - 130	97	70 - 130	<0.50	ug/L		
8874098	Bromoform	2023/08/25	95	70 - 130	97	70 - 130	<1.0	ug/L		
8874098	Bromomethane	2023/08/25	92	60 - 140	93	60 - 140	<0.50	ug/L		
8874098	Carbon Tetrachloride	2023/08/25	93	70 - 130	93	70 - 130	<0.19	ug/L		
8874098	Chlorobenzene	2023/08/25	95	70 - 130	96	70 - 130	<0.20	ug/L		
8874098	Chloroform	2023/08/25	95	70 - 130	97	70 - 130	<0.20	ug/L		
8874098	cis-1,2-Dichloroethylene	2023/08/25	99	70 - 130	101	70 - 130	<0.50	ug/L		
8874098	cis-1,3-Dichloropropene	2023/08/25	100	70 - 130	100	70 - 130	<0.30	ug/L		
8874098	Dibromochloromethane	2023/08/25	97	70 - 130	98	70 - 130	<0.50	ug/L		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874098	Dichlorodifluoromethane (FREON 12)	2023/08/25	87	60 - 140	89	60 - 140	<1.0	ug/L		
8874098	Ethylbenzene	2023/08/25	94	70 - 130	95	70 - 130	<0.20	ug/L		
8874098	Ethylene Dibromide	2023/08/25	98	70 - 130	100	70 - 130	<0.19	ug/L		
8874098	Hexane	2023/08/25	104	70 - 130	105	70 - 130	<1.0	ug/L		
8874098	Methyl Ethyl Ketone (2-Butanone)	2023/08/25	116	60 - 140	119	60 - 140	<10	ug/L		
8874098	Methyl Isobutyl Ketone	2023/08/25	117	70 - 130	119	70 - 130	<5.0	ug/L		
8874098	Methyl t-butyl ether (MTBE)	2023/08/25	96	70 - 130	98	70 - 130	<0.50	ug/L		
8874098	Methylene Chloride(Dichloromethane)	2023/08/25	98	70 - 130	99	70 - 130	<2.0	ug/L		
8874098	o-Xylene	2023/08/25	92	70 - 130	96	70 - 130	<0.20	ug/L		
8874098	p+m-Xylene	2023/08/25	95	70 - 130	97	70 - 130	<0.20	ug/L		
8874098	Styrene	2023/08/25	97	70 - 130	100	70 - 130	<0.40	ug/L		
8874098	Tetrachloroethylene	2023/08/25	96	70 - 130	97	70 - 130	<0.20	ug/L		
8874098	Toluene	2023/08/25	97	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
8874098	Total Xylenes	2023/08/25					<0.20	ug/L		
8874098	trans-1,2-Dichloroethylene	2023/08/25	98	70 - 130	99	70 - 130	<0.50	ug/L		
8874098	trans-1,3-Dichloropropene	2023/08/25	106	70 - 130	104	70 - 130	<0.40	ug/L		
8874098	Trichloroethylene	2023/08/25	95	70 - 130	96	70 - 130	<0.20	ug/L		
8874098	Trichlorofluoromethane (FREON 11)	2023/08/25	88	70 - 130	88	70 - 130	<0.50	ug/L		
8874098	Vinyl Chloride	2023/08/25	93	70 - 130	96	70 - 130	<0.20	ug/L		
8874251	1,1,1,2-Tetrachloroethane	2023/08/25	96	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
8874251	1,1,1-Trichloroethane	2023/08/25	95	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
8874251	1,1,2,2-Tetrachloroethane	2023/08/25	99	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
8874251	1,1,2-Trichloroethane	2023/08/25	105	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
8874251	1,1-Dichloroethane	2023/08/25	100	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
8874251	1,1-Dichloroethylene	2023/08/25	96	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
8874251	1,2-Dichlorobenzene	2023/08/25	93	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8874251	1,2-Dichloroethane	2023/08/25	104	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
8874251	1,2-Dichloropropane	2023/08/25	97	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8874251	1,3-Dichlorobenzene	2023/08/25	91	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8874251	1,4-Dichlorobenzene	2023/08/25	92	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8874251	Acetone (2-Propanone)	2023/08/25	111	60 - 140	108	60 - 140	<10	ug/L	NC	30
8874251	Benzene	2023/08/25	94	70 - 130	99	70 - 130	<0.17	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874251	Bromodichloromethane	2023/08/25	96	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
8874251	Bromoform	2023/08/25	89	70 - 130	93	70 - 130	<1.0	ug/L	NC	30
8874251	Bromomethane	2023/08/25	96	60 - 140	97	60 - 140	<0.50	ug/L	NC	30
8874251	Carbon Tetrachloride	2023/08/25	94	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
8874251	Chlorobenzene	2023/08/25	90	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
8874251	Chloroform	2023/08/25	99	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
8874251	cis-1,2-Dichloroethylene	2023/08/25	96	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8874251	cis-1,3-Dichloropropene	2023/08/25	95	70 - 130	100	70 - 130	<0.30	ug/L	NC	30
8874251	Dibromochloromethane	2023/08/25	93	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8874251	Dichlorodifluoromethane (FREON 12)	2023/08/25	97	60 - 140	101	60 - 140	<1.0	ug/L	NC	30
8874251	Ethylbenzene	2023/08/25	84	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8874251	Ethylene Dibromide	2023/08/25	97	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
8874251	F1 (C6-C10) - BTEX	2023/08/25					<25	ug/L	NC	30
8874251	F1 (C6-C10)	2023/08/25	83	60 - 140	94	60 - 140	<25	ug/L	NC	30
8874251	Hexane	2023/08/25	103	70 - 130	109	70 - 130	<1.0	ug/L	NC	30
8874251	Methyl Ethyl Ketone (2-Butanone)	2023/08/25	105	60 - 140	107	60 - 140	<10	ug/L	NC	30
8874251	Methyl Isobutyl Ketone	2023/08/25	100	70 - 130	104	70 - 130	<5.0	ug/L	NC	30
8874251	Methyl t-butyl ether (MTBE)	2023/08/25	89	70 - 130	95	70 - 130	<0.50	ug/L	NC	30
8874251	Methylene Chloride(Dichloromethane)	2023/08/25	97	70 - 130	97	70 - 130	<2.0	ug/L	NC	30
8874251	o-Xylene	2023/08/25	84	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8874251	p+m-Xylene	2023/08/25	79	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
8874251	Styrene	2023/08/25	64 (1)	70 - 130	72	70 - 130	<0.50	ug/L	NC	30
8874251	Tetrachloroethylene	2023/08/25	92	70 - 130	100	70 - 130	<0.20	ug/L	0.12	30
8874251	Toluene	2023/08/25	87	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8874251	Total Xylenes	2023/08/25					<0.20	ug/L	NC	30
8874251	trans-1,2-Dichloroethylene	2023/08/25	96	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8874251	trans-1,3-Dichloropropene	2023/08/25	100	70 - 130	103	70 - 130	<0.40	ug/L	NC	30
8874251	Trichloroethylene	2023/08/25	91	70 - 130	98	70 - 130	<0.20	ug/L	1.4	30
8874251	Trichlorofluoromethane (FREON 11)	2023/08/25	93	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8874251	Vinyl Chloride	2023/08/25	94	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8874330	1-Methylnaphthalene	2023/08/25	113	50 - 130	117	50 - 130	<0.050	ug/L	NC	30
8874330	2-Methylnaphthalene	2023/08/25	102	50 - 130	106	50 - 130	<0.050	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874330	Acenaphthene	2023/08/25	102	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
8874330	Acenaphthylene	2023/08/25	97	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
8874330	Anthracene	2023/08/25	108	50 - 130	111	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(a)anthracene	2023/08/25	101	50 - 130	101	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(a)pyrene	2023/08/25	94	50 - 130	92	50 - 130	<0.0090	ug/L	NC	30
8874330	Benzo(b/j)fluoranthene	2023/08/25	99	50 - 130	97	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(g,h,i)perylene	2023/08/25	101	50 - 130	98	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(k)fluoranthene	2023/08/25	93	50 - 130	93	50 - 130	<0.050	ug/L	NC	30
8874330	Chrysene	2023/08/25	99	50 - 130	98	50 - 130	<0.050	ug/L	NC	30
8874330	Dibenzo(a,h)anthracene	2023/08/25	94	50 - 130	90	50 - 130	<0.050	ug/L	NC	30
8874330	Fluoranthene	2023/08/25	112	50 - 130	116	50 - 130	<0.050	ug/L	NC	30
8874330	Fluorene	2023/08/25	101	50 - 130	104	50 - 130	<0.050	ug/L	NC	30
8874330	Indeno(1,2,3-cd)pyrene	2023/08/25	102	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
8874330	Naphthalene	2023/08/25	97	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
8874330	Phenanthrene	2023/08/25	103	50 - 130	106	50 - 130	<0.030	ug/L	NC	30
8874330	Pyrene	2023/08/25	111	50 - 130	114	50 - 130	<0.050	ug/L	NC	30
8874333	F2 (C10-C16 Hydrocarbons)	2023/08/26	102	60 - 130	100	60 - 130	<100	ug/L	NC	30
8874333	F3 (C16-C34 Hydrocarbons)	2023/08/26	100	60 - 130	100	60 - 130	<200	ug/L	NC	30
8874333	F4 (C34-C50 Hydrocarbons)	2023/08/26	88	60 - 130	85	60 - 130	<200	ug/L	NC	30
8874818	Dissolved Antimony (Sb)	2023/08/29	118	80 - 120	105	80 - 120	<0.50	ug/L	NC	20
8874818	Dissolved Arsenic (As)	2023/08/29	107	80 - 120	99	80 - 120	<1.0	ug/L	NC	20
8874818	Dissolved Barium (Ba)	2023/08/29	110	80 - 120	103	80 - 120	<2.0	ug/L	1.5	20
8874818	Dissolved Beryllium (Be)	2023/08/29	108	80 - 120	101	80 - 120	<0.40	ug/L	NC	20
8874818	Dissolved Boron (B)	2023/08/29	103	80 - 120	99	80 - 120	<10	ug/L	0.085	20
8874818	Dissolved Cadmium (Cd)	2023/08/29	110	80 - 120	99	80 - 120	<0.090	ug/L	NC	20
8874818	Dissolved Chromium (Cr)	2023/08/29	107	80 - 120	101	80 - 120	<5.0	ug/L	NC	20
8874818	Dissolved Cobalt (Co)	2023/08/29	107	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
8874818	Dissolved Copper (Cu)	2023/08/29	114	80 - 120	101	80 - 120	<0.90	ug/L	0.59	20
8874818	Dissolved Lead (Pb)	2023/08/29	102	80 - 120	99	80 - 120	<0.50	ug/L	NC	20
8874818	Dissolved Molybdenum (Mo)	2023/08/29	122 (2)	80 - 120	105	80 - 120	<0.50	ug/L	0.41	20
8874818	Dissolved Nickel (Ni)	2023/08/29	101	80 - 120	97	80 - 120	<1.0	ug/L	5.1	20
8874818	Dissolved Selenium (Se)	2023/08/29	106	80 - 120	100	80 - 120	<2.0	ug/L	NC	20

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874818	Dissolved Silver (Ag)	2023/08/29	110	80 - 120	101	80 - 120	<0.090	ug/L	NC	20
8874818	Dissolved Sodium (Na)	2023/08/29	NC	80 - 120	100	80 - 120	<100	ug/L	3.4	20
8874818	Dissolved Thallium (Tl)	2023/08/29	103	80 - 120	100	80 - 120	<0.050	ug/L	0.53	20
8874818	Dissolved Uranium (U)	2023/08/29	106	80 - 120	99	80 - 120	<0.10	ug/L	1.1	20
8874818	Dissolved Vanadium (V)	2023/08/29	111	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
8874818	Dissolved Zinc (Zn)	2023/08/29	104	80 - 120	98	80 - 120	<5.0	ug/L	0.67	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

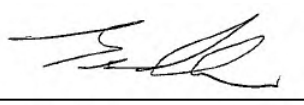
NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

(2) Matrix Spike exceeds acceptance limits, probable matrix interference

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: n/a

Attention: Salim Eid

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/12/07
Report #: R7944562
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3AQ664
Received: 2023/11/29, 18:49

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum (1)	2	N/A	2023/12/07		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	2	2023/12/03	2023/12/04	CAM SOP-00316	CCME PHC-CWS m
Volatile Organic Compounds and F1 PHCs (1)	2	N/A	2023/12/04	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: n/a

Attention: Salim Eid

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/12/07
Report #: R7944562
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3AQ664
Received: 2023/11/29, 18:49

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

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Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		XTI651		XTI652		
Sampling Date		2023/11/28 16:00		2023/11/29 16:00		
COC Number		n/a		n/a		
	UNITS	MW 23-1	RDL	MW 23-2	RDL	QC Batch
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	<0.50	0.50	9084432
Volatile Organics						
Acetone (2-Propanone)	ug/L	<10	10	<10	10	9087630
Benzene	ug/L	<0.17	0.17	<0.17	0.17	9087630
Bromodichloromethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Bromoform	ug/L	<1.0	1.0	<1.0	1.0	9087630
Bromomethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Carbon Tetrachloride	ug/L	<0.20	0.20	<0.20	0.20	9087630
Chlorobenzene	ug/L	<0.20	0.20	<0.20	0.20	9087630
Chloroform	ug/L	0.48	0.20	0.55	0.20	9087630
Dibromochloromethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,2-Dichlorobenzene	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,3-Dichlorobenzene	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,4-Dichlorobenzene	ug/L	<0.50	0.50	<0.50	0.50	9087630
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	<1.0	1.0	9087630
1,1-Dichloroethane	ug/L	<0.20	0.20	0.26	0.20	9087630
1,2-Dichloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,1-Dichloroethylene	ug/L	<0.20	0.20	0.25	0.20	9087630
cis-1,2-Dichloroethylene	ug/L	40	0.50	33	0.50	9087630
trans-1,2-Dichloroethylene	ug/L	0.69	0.50	0.94	0.50	9087630
1,2-Dichloropropane	ug/L	<0.20	0.20	<0.20	0.20	9087630
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	<0.30	0.30	9087630
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	<0.40	0.40	9087630
Ethylbenzene	ug/L	<0.20	0.20	<0.20	0.20	9087630
Ethylene Dibromide	ug/L	<0.20	0.20	<0.20	0.20	9087630
Hexane	ug/L	<1.0	1.0	<1.0	1.0	9087630
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	<2.0	2.0	9087630
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	<10	10	9087630
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	<5.0	5.0	9087630
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	<0.50	0.50	9087630
Styrene	ug/L	<0.50	0.50	<0.50	0.50	9087630

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		XTI651		XTI652		
Sampling Date		2023/11/28 16:00		2023/11/29 16:00		
COC Number		n/a		n/a		
	UNITS	MW 23-1	RDL	MW 23-2	RDL	QC Batch
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Tetrachloroethylene	ug/L	0.57	0.20	1400	1.0	9087630
Toluene	ug/L	<0.20	0.20	<0.20	0.20	9087630
1,1,1-Trichloroethane	ug/L	<0.20	0.20	<0.20	0.20	9087630
1,1,2-Trichloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Trichloroethylene	ug/L	1.2	0.20	120	0.20	9087630
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	<0.50	0.50	9087630
Vinyl Chloride	ug/L	7.3	0.20	4.0	0.20	9087630
p+m-Xylene	ug/L	<0.20	0.20	<0.20	0.20	9087630
o-Xylene	ug/L	<0.20	0.20	<0.20	0.20	9087630
Total Xylenes	ug/L	<0.20	0.20	<0.20	0.20	9087630
F1 (C6-C10)	ug/L	<25	25	480 (1)	130	9087630
F1 (C6-C10) - BTEX	ug/L	<25	25	480	130	9087630
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	<100	100	9087970
F3 (C16-C34 Hydrocarbons)	ug/L	<200	200	<200	200	9087970
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	<200	200	9087970
Reached Baseline at C50	ug/L	Yes		Yes		9087970
Surrogate Recovery (%)						
o-Terphenyl	%	102		100		9087970
4-Bromofluorobenzene	%	89		84		9087630
D4-1,2-Dichloroethane	%	109		110		9087630
D8-Toluene	%	86		84		9087630

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Result reported was due to chlorinated compounds eluting inside the F1 range.

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: XTI651
Sample ID: MW 23-1
Matrix: Water

Collected: 2023/11/28
Shipped:
Received: 2023/11/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9084432	N/A	2023/12/07	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9087970	2023/12/03	2023/12/04	Jeevaraj Jeevaratrnam
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9087630	N/A	2023/12/04	Gladys Guerrero

Bureau Veritas ID: XTI652
Sample ID: MW 23-2
Matrix: Water

Collected: 2023/11/29
Shipped:
Received: 2023/11/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9084432	N/A	2023/12/07	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9087970	2023/12/03	2023/12/04	Jeevaraj Jeevaratrnam
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9087630	N/A	2023/12/04	Gladys Guerrero

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	5.7°C

Sample XTI652 [MW 23-2] : VOC/F1 Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to achieve lower reporting limits, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Results relate only to the items tested.

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

QUALITY ASSURANCE REPORT

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9087630	4-Bromofluorobenzene	2023/12/04	96	70 - 130	97	70 - 130	92	%		
9087630	D4-1,2-Dichloroethane	2023/12/04	103	70 - 130	96	70 - 130	99	%		
9087630	D8-Toluene	2023/12/04	104	70 - 130	106	70 - 130	90	%		
9087970	o-Terphenyl	2023/12/04	102	60 - 130	104	60 - 130	101	%		
9087630	1,1,1,2-Tetrachloroethane	2023/12/04	99	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
9087630	1,1,1-Trichloroethane	2023/12/04	97	70 - 130	86	70 - 130	<0.20	ug/L	NC	30
9087630	1,1,2,2-Tetrachloroethane	2023/12/04	105	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
9087630	1,1,2-Trichloroethane	2023/12/04	102	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
9087630	1,1-Dichloroethane	2023/12/04	101	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
9087630	1,1-Dichloroethylene	2023/12/04	98	70 - 130	87	70 - 130	<0.20	ug/L	NC	30
9087630	1,2-Dichlorobenzene	2023/12/04	102	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
9087630	1,2-Dichloroethane	2023/12/04	99	70 - 130	86	70 - 130	<0.50	ug/L	NC	30
9087630	1,2-Dichloropropane	2023/12/04	102	70 - 130	91	70 - 130	<0.20	ug/L	NC	30
9087630	1,3-Dichlorobenzene	2023/12/04	101	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
9087630	1,4-Dichlorobenzene	2023/12/04	112	70 - 130	111	70 - 130	<0.50	ug/L	NC	30
9087630	Acetone (2-Propanone)	2023/12/04	106	60 - 140	96	60 - 140	<10	ug/L	NC	30
9087630	Benzene	2023/12/04	93	70 - 130	82	70 - 130	<0.17	ug/L	NC	30
9087630	Bromodichloromethane	2023/12/04	106	70 - 130	95	70 - 130	<0.50	ug/L	NC	30
9087630	Bromoform	2023/12/04	92	70 - 130	86	70 - 130	<1.0	ug/L	NC	30
9087630	Bromomethane	2023/12/04	101	60 - 140	86	60 - 140	<0.50	ug/L	NC	30
9087630	Carbon Tetrachloride	2023/12/04	94	70 - 130	84	70 - 130	<0.20	ug/L	NC	30
9087630	Chlorobenzene	2023/12/04	103	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
9087630	Chloroform	2023/12/04	103	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
9087630	cis-1,2-Dichloroethylene	2023/12/04	102	70 - 130	90	70 - 130	<0.50	ug/L	NC	30
9087630	cis-1,3-Dichloropropene	2023/12/04	106	70 - 130	95	70 - 130	<0.30	ug/L	NC	30
9087630	Dibromochloromethane	2023/12/04	98	70 - 130	90	70 - 130	<0.50	ug/L	NC	30
9087630	Dichlorodifluoromethane (FREON 12)	2023/12/04	92	60 - 140	80	60 - 140	<1.0	ug/L	NC	30
9087630	Ethylbenzene	2023/12/04	90	70 - 130	86	70 - 130	<0.20	ug/L	NC	30
9087630	Ethylene Dibromide	2023/12/04	103	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9087630	F1 (C6-C10) - BTEX	2023/12/04					<25	ug/L	NC	30
9087630	F1 (C6-C10)	2023/12/04	103	60 - 140	95	60 - 140	<25	ug/L	NC	30
9087630	Hexane	2023/12/04	94	70 - 130	85	70 - 130	<1.0	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9087630	Methyl Ethyl Ketone (2-Butanone)	2023/12/04	113	60 - 140	104	60 - 140	<10	ug/L	NC	30
9087630	Methyl Isobutyl Ketone	2023/12/04	89	70 - 130	85	70 - 130	<5.0	ug/L	NC	30
9087630	Methyl t-butyl ether (MTBE)	2023/12/04	102	70 - 130	95	70 - 130	<0.50	ug/L	NC	30
9087630	Methylene Chloride(Dichloromethane)	2023/12/04	119	70 - 130	102	70 - 130	<2.0	ug/L	NC	30
9087630	o-Xylene	2023/12/04	85	70 - 130	82	70 - 130	<0.20	ug/L	NC	30
9087630	p+m-Xylene	2023/12/04	95	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
9087630	Styrene	2023/12/04	76	70 - 130	74	70 - 130	<0.50	ug/L	NC	30
9087630	Tetrachloroethylene	2023/12/04	97	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
9087630	Toluene	2023/12/04	94	70 - 130	87	70 - 130	<0.20	ug/L	NC	30
9087630	Total Xylenes	2023/12/04					<0.20	ug/L	NC	30
9087630	trans-1,2-Dichloroethylene	2023/12/04	97	70 - 130	87	70 - 130	<0.50	ug/L	NC	30
9087630	trans-1,3-Dichloropropene	2023/12/04	118	70 - 130	108	70 - 130	<0.40	ug/L	NC	30
9087630	Trichloroethylene	2023/12/04	99	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
9087630	Trichlorofluoromethane (FREON 11)	2023/12/04	96	70 - 130	85	70 - 130	<0.50	ug/L	NC	30
9087630	Vinyl Chloride	2023/12/04	95	70 - 130	82	70 - 130	<0.20	ug/L	NC	30
9087970	F2 (C10-C16 Hydrocarbons)	2023/12/04	104	60 - 130	107	60 - 130	<100	ug/L	NC	30
9087970	F3 (C16-C34 Hydrocarbons)	2023/12/04	103	60 - 130	108	60 - 130	<200	ug/L	NC	30
9087970	F4 (C34-C50 Hydrocarbons)	2023/12/04	104	60 - 130	108	60 - 130	<200	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

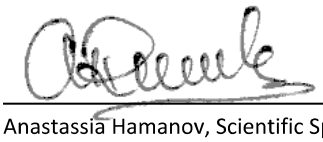
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

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Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02203035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: N/A

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/09/06
Report #: R7799130
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3Q4727
Received: 2023/08/29, 17:06

Sample Matrix: Water
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	2	N/A	2023/09/03	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum (1)	2	N/A	2023/09/05		EPA 8260C m
Petroleum Hydro. CCME F1 & BTEX in Water (1)	5	N/A	2023/09/01	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	2	2023/09/02	2023/09/05	CAM SOP-00316	CCME PHC-CWS m
Dissolved Metals by ICPMS (1)	2	N/A	2023/09/05	CAM SOP-00447	EPA 6020B m
PAH Compounds in Water by GC/MS (SIM) (1)	2	2023/09/02	2023/09/02	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs (1)	2	N/A	2023/09/01	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s

Your Project #: 02203035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: N/A

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/09/06
Report #: R7799130
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3Q4727

Received: 2023/08/29, 17:06

Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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Bureau Veritas Job #: C3Q4727
Report Date: 2023/09/06

Englobe Corp.
Client Project #: 02203035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		WVM781	WVM781	WVM782	WVM784	WVM785	WVM786		
Sampling Date		2023/08/28 15:00	2023/08/28 15:00	2023/08/28 15:30	2023/08/28 19:00	2023/08/28 16:30	2023/08/28 16:30		
COC Number		N/A	N/A	N/A	N/A	N/A	N/A		
	UNITS	MW23-2	MW23-2 Lab-Dup	MW23-3	MW23-20	T.BLANK	F.BLANK	RDL	QC Batch
BTEX & F1 Hydrocarbons									
Benzene	ug/L	0.33	0.30	<0.20	0.38	<0.20	<0.20	0.20	8892291
Toluene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8892291
Ethylbenzene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8892291
o-Xylene	ug/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8892291
p+m-Xylene	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8892291
Total Xylenes	ug/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8892291
F1 (C6-C10)	ug/L	500	480	100	540	<25	<25	25	8892291
F1 (C6-C10) - BTEX	ug/L	490	480	100	540	<25	<25	25	8892291
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	100	100	106	101	110	106		8892291
4-Bromofluorobenzene	%	81	105	85	100	78	108		8892291
D10-o-Xylene	%	87	89	94	87	92	91		8892291
D4-1,2-Dichloroethane	%	109	109	121	108	110	113		8892291

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C3Q4727
Report Date: 2023/09/06

Englobe Corp.
Client Project #: 02203035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID		WVM780	WVM783		
Sampling Date		2023/08/28 16:50	2023/08/28 13:00		
COC Number		N/A	N/A		
	UNITS	MW23-1	MW23-11	RDL	QC Batch
Metals					
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	0.50	8891614
Dissolved Arsenic (As)	ug/L	1.1	<1.0	1.0	8891614
Dissolved Barium (Ba)	ug/L	100	110	2.0	8891614
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	0.40	8891614
Dissolved Boron (B)	ug/L	220	230	10	8891614
Dissolved Cadmium (Cd)	ug/L	<0.090	<0.090	0.090	8891614
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	5.0	8891614
Dissolved Cobalt (Co)	ug/L	<0.50	<0.50	0.50	8891614
Dissolved Copper (Cu)	ug/L	<0.90	<0.90	0.90	8891614
Dissolved Lead (Pb)	ug/L	<0.50	<0.50	0.50	8891614
Dissolved Molybdenum (Mo)	ug/L	0.73	<0.50	0.50	8891614
Dissolved Nickel (Ni)	ug/L	<1.0	1.2	1.0	8891614
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	2.0	8891614
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	0.090	8891614
Dissolved Sodium (Na)	ug/L	550000	540000	100	8891614
Dissolved Thallium (Tl)	ug/L	<0.050	<0.050	0.050	8891614
Dissolved Uranium (U)	ug/L	0.48	0.45	0.10	8891614
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	0.50	8891614
Dissolved Zinc (Zn)	ug/L	<5.0	<5.0	5.0	8891614

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PAHS (WATER)

Bureau Veritas ID		WVM780	WVM783		
Sampling Date		2023/08/28 16:50	2023/08/28 13:00		
COC Number		N/A	N/A		
	UNITS	MW23-1	MW23-11	RDL	QC Batch
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/L	<0.071	<0.071	0.071	8885751
Polyaromatic Hydrocarbons					
Acenaphthene	ug/L	<0.050	<0.050	0.050	8894215
Acenaphthylene	ug/L	<0.050	<0.050	0.050	8894215
Anthracene	ug/L	<0.050	<0.050	0.050	8894215
Benzo(a)anthracene	ug/L	<0.050	<0.050	0.050	8894215
Benzo(a)pyrene	ug/L	<0.0090	<0.0090	0.0090	8894215
Benzo(b/j)fluoranthene	ug/L	<0.050	<0.050	0.050	8894215
Benzo(g,h,i)perylene	ug/L	<0.050	<0.050	0.050	8894215
Benzo(k)fluoranthene	ug/L	<0.050	<0.050	0.050	8894215
Chrysene	ug/L	<0.050	<0.050	0.050	8894215
Dibenzo(a,h)anthracene	ug/L	<0.050	<0.050	0.050	8894215
Fluoranthene	ug/L	<0.050	<0.050	0.050	8894215
Fluorene	ug/L	<0.050	<0.050	0.050	8894215
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	<0.050	0.050	8894215
1-Methylnaphthalene	ug/L	<0.050	<0.050	0.050	8894215
2-Methylnaphthalene	ug/L	<0.050	<0.050	0.050	8894215
Naphthalene	ug/L	<0.050	<0.050	0.050	8894215
Phenanthrene	ug/L	<0.030	<0.030	0.030	8894215
Pyrene	ug/L	<0.050	<0.050	0.050	8894215
Surrogate Recovery (%)					
D10-Anthracene	%	96	101		8894215
D14-Terphenyl (FS)	%	102	107		8894215
D8-Acenaphthylene	%	84	88		8894215

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		WVM780	WVM783		
Sampling Date		2023/08/28 16:50	2023/08/28 13:00		
COC Number		N/A	N/A		
	UNITS	MW23-1	MW23-11	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	0.50	8885752
Volatile Organics					
Acetone (2-Propanone)	ug/L	<10	<10	10	8890975
Benzene	ug/L	0.22	0.25	0.17	8890975
Bromodichloromethane	ug/L	<0.50	<0.50	0.50	8890975
Bromoform	ug/L	<1.0	<1.0	1.0	8890975
Bromomethane	ug/L	<0.50	<0.50	0.50	8890975
Carbon Tetrachloride	ug/L	<0.20	<0.20	0.20	8890975
Chlorobenzene	ug/L	<0.20	<0.20	0.20	8890975
Chloroform	ug/L	1.0	0.96	0.20	8890975
Dibromochloromethane	ug/L	<0.50	<0.50	0.50	8890975
1,2-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	8890975
1,3-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	8890975
1,4-Dichlorobenzene	ug/L	<0.50	<0.50	0.50	8890975
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	1.0	8890975
1,1-Dichloroethane	ug/L	<0.20	<0.20	0.20	8890975
1,2-Dichloroethane	ug/L	<0.50	<0.50	0.50	8890975
1,1-Dichloroethylene	ug/L	1.2	1.2	0.20	8890975
cis-1,2-Dichloroethylene	ug/L	630	590	1.0	8890975
trans-1,2-Dichloroethylene	ug/L	4.7	4.6	0.50	8890975
1,2-Dichloropropane	ug/L	<0.20	<0.20	0.20	8890975
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	0.30	8890975
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	0.40	8890975
Ethylbenzene	ug/L	<0.20	<0.20	0.20	8890975
Ethylene Dibromide	ug/L	<0.20	<0.20	0.20	8890975
Hexane	ug/L	<1.0	<1.0	1.0	8890975
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	2.0	8890975
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	10	8890975
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	5.0	8890975
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	0.50	8890975
Styrene	ug/L	<0.50	<0.50	0.50	8890975
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	8890975
1,1,2,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	8890975

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		WVM780	WVM783		
Sampling Date		2023/08/28 16:50	2023/08/28 13:00		
COC Number		N/A	N/A		
	UNITS	MW23-1	MW23-11	RDL	QC Batch
Tetrachloroethylene	ug/L	13	12	0.20	8890975
Toluene	ug/L	0.25	0.27	0.20	8890975
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	0.20	8890975
1,1,2-Trichloroethane	ug/L	<0.50	<0.50	0.50	8890975
Trichloroethylene	ug/L	110	110	0.20	8890975
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	0.50	8890975
Vinyl Chloride	ug/L	100	100	0.20	8890975
p+m-Xylene	ug/L	<0.20	<0.20	0.20	8890975
o-Xylene	ug/L	<0.20	<0.20	0.20	8890975
Total Xylenes	ug/L	<0.20	<0.20	0.20	8890975
F1 (C6-C10)	ug/L	54 (1)	61 (1)	25	8890975
F1 (C6-C10) - BTEX	ug/L	54	61	25	8890975
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	100	8894217
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	200	8894217
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	8894217
Reached Baseline at C50	ug/L	Yes	Yes		8894217
Surrogate Recovery (%)					
o-Terphenyl	%	103	103		8894217
4-Bromofluorobenzene	%	99	98		8890975
D4-1,2-Dichloroethane	%	96	96		8890975
D8-Toluene	%	98	98		8890975

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Result reported was mainly due to chlorinated compounds eluting inside the F1 range.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C3Q4727
Report Date: 2023/09/06

Englobe Corp.
Client Project #: 02203035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WVM780 **Collected:** 2023/08/28
Sample ID: MW23-1 **Shipped:**
Matrix: Water **Received:** 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8885751	N/A	2023/09/03	Automated Statchk
1,3-Dichloropropene Sum	CALC	8885752	N/A	2023/09/05	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8894217	2023/09/02	2023/09/05	Anna Stuglik-Rolland
Dissolved Metals by ICPMS	ICP/MS	8891614	N/A	2023/09/05	Arefa Dabhad
PAH Compounds in Water by GC/MS (SIM)	GC/MS	8894215	2023/09/02	2023/09/02	Jayoda Perera
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8890975	N/A	2023/09/01	Jett Wu

Bureau Veritas ID: WVM781 **Collected:** 2023/08/28
Sample ID: MW23-2 **Shipped:**
Matrix: Water **Received:** 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8892291	N/A	2023/09/01	Georgeta Rusu

Bureau Veritas ID: WVM781 Dup **Collected:** 2023/08/28
Sample ID: MW23-2 **Shipped:**
Matrix: Water **Received:** 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8892291	N/A	2023/09/01	Georgeta Rusu

Bureau Veritas ID: WVM782 **Collected:** 2023/08/28
Sample ID: MW23-3 **Shipped:**
Matrix: Water **Received:** 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8892291	N/A	2023/09/01	Georgeta Rusu

Bureau Veritas ID: WVM783 **Collected:** 2023/08/28
Sample ID: MW23-11 **Shipped:**
Matrix: Water **Received:** 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8885751	N/A	2023/09/03	Automated Statchk
1,3-Dichloropropene Sum	CALC	8885752	N/A	2023/09/05	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8894217	2023/09/02	2023/09/05	Anna Stuglik-Rolland
Dissolved Metals by ICPMS	ICP/MS	8891614	N/A	2023/09/05	Arefa Dabhad
PAH Compounds in Water by GC/MS (SIM)	GC/MS	8894215	2023/09/02	2023/09/02	Jayoda Perera
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8890975	N/A	2023/09/01	Jett Wu

Bureau Veritas ID: WVM784 **Collected:** 2023/08/28
Sample ID: MW23-20 **Shipped:**
Matrix: Water **Received:** 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8892291	N/A	2023/09/01	Georgeta Rusu

Bureau Veritas Job #: C3Q4727
Report Date: 2023/09/06

Englobe Corp.
Client Project #: 02203035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WVM785
Sample ID: T.BLANK
Matrix: Water

Collected: 2023/08/28
Shipped:
Received: 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8892291	N/A	2023/09/01	Georgeta Rusu

Bureau Veritas ID: WVM786
Sample ID: F.BLANK
Matrix: Water

Collected: 2023/08/28
Shipped:
Received: 2023/08/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	8892291	N/A	2023/09/01	Georgeta Rusu

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	1.3°C
Package 2	2.3°C

Sample WVM780 [MW23-1] : VOC/F1 Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to achieve lower reporting limits, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Sample WVM783 [MW23-11] : VOC/F1 Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to achieve lower reporting limits, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8890975	4-Bromofluorobenzene	2023/09/01	100	70 - 130	101	70 - 130	101	%		
8890975	D4-1,2-Dichloroethane	2023/09/01	92	70 - 130	102	70 - 130	103	%		
8890975	D8-Toluene	2023/09/01	102	70 - 130	99	70 - 130	96	%		
8892291	1,4-Difluorobenzene	2023/09/01	96	70 - 130	98	70 - 130	106	%		
8892291	4-Bromofluorobenzene	2023/09/01	87	70 - 130	90	70 - 130	106	%		
8892291	D10-o-Xylene	2023/09/01	97	70 - 130	93	70 - 130	92	%		
8892291	D4-1,2-Dichloroethane	2023/09/01	105	70 - 130	107	70 - 130	108	%		
8894215	D10-Anthracene	2023/09/02	99	50 - 130	95	50 - 130	96	%		
8894215	D14-Terphenyl (FS)	2023/09/02	104	50 - 130	102	50 - 130	102	%		
8894215	D8-Acenaphthylene	2023/09/02	90	50 - 130	86	50 - 130	84	%		
8894217	o-Terphenyl	2023/09/05	102	60 - 130	104	60 - 130	102	%		
8890975	1,1,1,2-Tetrachloroethane	2023/09/01	91	70 - 130	94	70 - 130	<0.50	ug/L		
8890975	1,1,1-Trichloroethane	2023/09/01	89	70 - 130	89	70 - 130	<0.20	ug/L		
8890975	1,1,2,2-Tetrachloroethane	2023/09/01	85	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
8890975	1,1,2-Trichloroethane	2023/09/01	84	70 - 130	94	70 - 130	<0.50	ug/L		
8890975	1,1-Dichloroethane	2023/09/01	89	70 - 130	91	70 - 130	<0.20	ug/L		
8890975	1,1-Dichloroethylene	2023/09/01	88	70 - 130	87	70 - 130	<0.20	ug/L		
8890975	1,2-Dichlorobenzene	2023/09/01	93	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8890975	1,2-Dichloroethane	2023/09/01	84	70 - 130	94	70 - 130	<0.50	ug/L		
8890975	1,2-Dichloropropane	2023/09/01	87	70 - 130	95	70 - 130	<0.20	ug/L		
8890975	1,3-Dichlorobenzene	2023/09/01	95	70 - 130	93	70 - 130	<0.50	ug/L		
8890975	1,4-Dichlorobenzene	2023/09/01	95	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
8890975	Acetone (2-Propanone)	2023/09/01	82	60 - 140	96	60 - 140	<10	ug/L		
8890975	Benzene	2023/09/01	90	70 - 130	93	70 - 130	<0.17	ug/L	NC	30
8890975	Bromodichloromethane	2023/09/01	86	70 - 130	93	70 - 130	<0.50	ug/L		
8890975	Bromoform	2023/09/01	87	70 - 130	99	70 - 130	<1.0	ug/L		
8890975	Bromomethane	2023/09/01	84	60 - 140	85	60 - 140	<0.50	ug/L		
8890975	Carbon Tetrachloride	2023/09/01	89	70 - 130	88	70 - 130	<0.20	ug/L		
8890975	Chlorobenzene	2023/09/01	93	70 - 130	95	70 - 130	<0.20	ug/L		
8890975	Chloroform	2023/09/01	88	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
8890975	cis-1,2-Dichloroethylene	2023/09/01	90	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8890975	cis-1,3-Dichloropropene	2023/09/01	88	70 - 130	98	70 - 130	<0.30	ug/L		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8890975	Dibromochloromethane	2023/09/01	89	70 - 130	97	70 - 130	<0.50	ug/L		
8890975	Dichlorodifluoromethane (FREON 12)	2023/09/01	76	60 - 140	75	60 - 140	<1.0	ug/L		
8890975	Ethylbenzene	2023/09/01	93	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
8890975	Ethylene Dibromide	2023/09/01	89	70 - 130	102	70 - 130	<0.20	ug/L		
8890975	F1 (C6-C10) - BTEX	2023/09/01					<25	ug/L	NC	30
8890975	F1 (C6-C10)	2023/09/01	97	60 - 140	87	60 - 140	<25	ug/L	NC	30
8890975	Hexane	2023/09/01	92	70 - 130	89	70 - 130	<1.0	ug/L		
8890975	Methyl Ethyl Ketone (2-Butanone)	2023/09/01	84	60 - 140	106	60 - 140	<10	ug/L		
8890975	Methyl Isobutyl Ketone	2023/09/01	79	70 - 130	106	70 - 130	<5.0	ug/L		
8890975	Methyl t-butyl ether (MTBE)	2023/09/01	86	70 - 130	97	70 - 130	<0.50	ug/L		
8890975	Methylene Chloride(Dichloromethane)	2023/09/01	86	70 - 130	91	70 - 130	<2.0	ug/L	NC	30
8890975	o-Xylene	2023/09/01	92	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8890975	p+m-Xylene	2023/09/01	92	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
8890975	Styrene	2023/09/01	93	70 - 130	97	70 - 130	<0.50	ug/L		
8890975	Tetrachloroethylene	2023/09/01	94	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
8890975	Toluene	2023/09/01	90	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
8890975	Total Xylenes	2023/09/01					<0.20	ug/L	NC	30
8890975	trans-1,2-Dichloroethylene	2023/09/01	92	70 - 130	91	70 - 130	<0.50	ug/L		
8890975	trans-1,3-Dichloropropene	2023/09/01	88	70 - 130	97	70 - 130	<0.40	ug/L	NC	30
8890975	Trichloroethylene	2023/09/01	92	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
8890975	Trichlorofluoromethane (FREON 11)	2023/09/01	83	70 - 130	81	70 - 130	<0.50	ug/L		
8890975	Vinyl Chloride	2023/09/01	82	70 - 130	81	70 - 130	<0.20	ug/L		
8891614	Dissolved Antimony (Sb)	2023/09/05	108	80 - 120	105	80 - 120	<0.50	ug/L		
8891614	Dissolved Arsenic (As)	2023/09/05	101	80 - 120	101	80 - 120	<1.0	ug/L		
8891614	Dissolved Barium (Ba)	2023/09/05	100	80 - 120	100	80 - 120	<2.0	ug/L		
8891614	Dissolved Beryllium (Be)	2023/09/05	98	80 - 120	97	80 - 120	<0.40	ug/L		
8891614	Dissolved Boron (B)	2023/09/05	96	80 - 120	97	80 - 120	<10	ug/L		
8891614	Dissolved Cadmium (Cd)	2023/09/05	101	80 - 120	99	80 - 120	<0.090	ug/L		
8891614	Dissolved Chromium (Cr)	2023/09/05	96	80 - 120	97	80 - 120	<5.0	ug/L		
8891614	Dissolved Cobalt (Co)	2023/09/05	98	80 - 120	99	80 - 120	<0.50	ug/L		
8891614	Dissolved Copper (Cu)	2023/09/05	95	80 - 120	93	80 - 120	<0.90	ug/L		
8891614	Dissolved Lead (Pb)	2023/09/05	99	80 - 120	99	80 - 120	<0.50	ug/L	NC	20

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8891614	Dissolved Molybdenum (Mo)	2023/09/05	102	80 - 120	99	80 - 120	<0.50	ug/L		
8891614	Dissolved Nickel (Ni)	2023/09/05	95	80 - 120	100	80 - 120	<1.0	ug/L		
8891614	Dissolved Selenium (Se)	2023/09/05	102	80 - 120	100	80 - 120	<2.0	ug/L		
8891614	Dissolved Silver (Ag)	2023/09/05	98	80 - 120	98	80 - 120	<0.090	ug/L		
8891614	Dissolved Sodium (Na)	2023/09/05	NC	80 - 120	99	80 - 120	<100	ug/L		
8891614	Dissolved Thallium (Tl)	2023/09/05	103	80 - 120	104	80 - 120	<0.050	ug/L		
8891614	Dissolved Uranium (U)	2023/09/05	102	80 - 120	100	80 - 120	<0.10	ug/L		
8891614	Dissolved Vanadium (V)	2023/09/05	96	80 - 120	97	80 - 120	<0.50	ug/L		
8891614	Dissolved Zinc (Zn)	2023/09/05	96	80 - 120	101	80 - 120	<5.0	ug/L		
8892291	Benzene	2023/09/01	91	50 - 140	88	50 - 140	<0.20	ug/L	8.3	30
8892291	Ethylbenzene	2023/09/01	100	50 - 140	99	50 - 140	<0.20	ug/L	NC	30
8892291	F1 (C6-C10) - BTEX	2023/09/01					<25	ug/L	2.7	30
8892291	F1 (C6-C10)	2023/09/01	99	60 - 140	93	60 - 140	<25	ug/L	2.7	30
8892291	o-Xylene	2023/09/01	99	50 - 140	98	50 - 140	<0.20	ug/L	NC	30
8892291	p+m-Xylene	2023/09/01	94	50 - 140	93	50 - 140	<0.40	ug/L	NC	30
8892291	Toluene	2023/09/01	89	50 - 140	88	50 - 140	<0.20	ug/L	NC	30
8892291	Total Xylenes	2023/09/01					<0.40	ug/L	NC	30
8894215	1-Methylnaphthalene	2023/09/02	102	50 - 130	97	50 - 130	<0.050	ug/L		
8894215	2-Methylnaphthalene	2023/09/02	91	50 - 130	85	50 - 130	<0.050	ug/L		
8894215	Acenaphthene	2023/09/02	102	50 - 130	97	50 - 130	<0.050	ug/L		
8894215	Acenaphthylene	2023/09/02	98	50 - 130	95	50 - 130	<0.050	ug/L		
8894215	Anthracene	2023/09/02	109	50 - 130	106	50 - 130	<0.050	ug/L		
8894215	Benzo(a)anthracene	2023/09/02	117	50 - 130	114	50 - 130	<0.050	ug/L		
8894215	Benzo(a)pyrene	2023/09/02	110	50 - 130	109	50 - 130	<0.0090	ug/L	NC	30
8894215	Benzo(b/j)fluoranthene	2023/09/02	104	50 - 130	105	50 - 130	<0.050	ug/L		
8894215	Benzo(g,h,i)perylene	2023/09/02	116	50 - 130	115	50 - 130	<0.050	ug/L	NC	30
8894215	Benzo(k)fluoranthene	2023/09/02	112	50 - 130	112	50 - 130	<0.050	ug/L	NC	30
8894215	Chrysene	2023/09/02	111	50 - 130	110	50 - 130	<0.050	ug/L		
8894215	Dibenzo(a,h)anthracene	2023/09/02	115	50 - 130	112	50 - 130	<0.050	ug/L		
8894215	Fluoranthene	2023/09/02	119	50 - 130	117	50 - 130	<0.050	ug/L		
8894215	Fluorene	2023/09/02	109	50 - 130	106	50 - 130	<0.050	ug/L		
8894215	Indeno(1,2,3-cd)pyrene	2023/09/02	110	50 - 130	109	50 - 130	<0.050	ug/L		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8894215	Naphthalene	2023/09/02	82	50 - 130	80	50 - 130	<0.050	ug/L	38 (1)	30
8894215	Phenanthrene	2023/09/02	106	50 - 130	104	50 - 130	<0.030	ug/L	47 (1)	30
8894215	Pyrene	2023/09/02	118	50 - 130	117	50 - 130	<0.050	ug/L		
8894217	F2 (C10-C16 Hydrocarbons)	2023/09/05	107	60 - 130	106	60 - 130	<100	ug/L	28	30
8894217	F3 (C16-C34 Hydrocarbons)	2023/09/05	106	60 - 130	106	60 - 130	<200	ug/L	NC	30
8894217	F4 (C34-C50 Hydrocarbons)	2023/09/05	105	60 - 130	104	60 - 130	<200	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

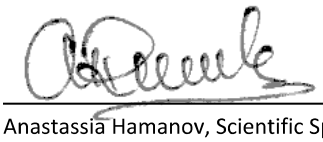
NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035.000
Site Location: 424 Churchill Ave North
Your C.O.C. #: 953656-01-01

Attention: Colette Ogilvie

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/09/18
Report #: R7819659
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S1843
Received: 2023/09/13, 15:59

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
ABN Compounds in Water by GC/MS (1)	1	2023/09/15	2023/09/15	CAM SOP-00301	EPA 8270 m
Sewer Use By-Law Semivolatile Organics (1)	1	2023/09/16	2023/09/18	CAM SOP 00301	EPA 8270 m
Total Cyanide (1)	1	2023/09/15	2023/09/15	CAM SOP-00457	OMOE E3015 5 m
Fluoride (1)	1	2023/09/14	2023/09/15	CAM SOP-00449	SM 23 4500-F C m
Mercury in Water by CVAA (1)	1	2023/09/15	2023/09/18	CAM SOP-00453	EPA 7470A m
Total Metals Analysis by ICPMS (1)	1	2023/09/18	2023/09/18	CAM SOP-00447	EPA 6020B m
E.coli, (CFU/100mL) (1)	1	N/A	2023/09/14	CAM SOP-00552	MECP E3371
Animal and Vegetable Oil and Grease (1)	1	N/A	2023/09/18	CAM SOP-00326	EPA1664B m,SM5520B m
Total Oil and Grease (1)	1	2023/09/17	2023/09/17	CAM SOP-00326	EPA1664B m,SM5520B m
OC Pesticides (Selected) & PCB (1, 2)	1	2023/09/15	2023/09/17	CAM SOP-00307	EPA 8081B/ 8082A
OC Pesticides Summed Parameters (1)	1	N/A	2023/09/15	CAM SOP-00307	EPA 8081B/ 8082A
pH (1)	1	2023/09/14	2023/09/15	CAM SOP-00413	SM 4500H+ B m
Phenols (4AAP) (1)	1	N/A	2023/09/15	CAM SOP-00444	OMOE E3179 m
Sulphate by Automated Turbidimetry (1)	1	N/A	2023/09/15	CAM SOP-00464	SM 23 4500-SO42- E m
Sulphide (1)	1	N/A	2023/09/15	CAM SOP-00455	SM 23 4500-S G m
Total Kjeldahl Nitrogen in Water (1)	1	2023/09/14	2023/09/18	CAM SOP-00938	OMOE E3516 m
Total PAHs (Hamilton, Ottawa S.U.B.) (1, 3)	1	N/A	2023/09/18	CAM SOP - 00301	
Mineral/Synthetic O & G (TPH Heavy Oil) (1, 4)	1	2023/09/17	2023/09/17	CAM SOP-00326	EPA1664B m,SM5520F m
Total Suspended Solids (1)	1	2023/09/15	2023/09/18	CAM SOP-00428	SM 23 2540D m
Volatile Organic Compounds in Water (1)	1	N/A	2023/09/15	CAM SOP-00228	EPA 8260D
Non-Routine Volatile Organic Compounds (1)	1	N/A	2023/09/15	CAM SOP-00226	EPA 8260D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Your Project #: 02103035.000
Site Location: 424 Churchill Ave North
Your C.O.C. #: 953656-01-01

Attention: Colette Ogilvie

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/09/18
Report #: R7819659
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3S1843
Received: 2023/09/13, 15:59

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane
(3) Total PAHs include only those PAHs specified in the sewer use by-by-law.
(4) Note: TPH (Heavy Oil) is equivalent to Mineral / Synthetic Oil & Grease

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
==========
This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

OTTAWA SAN&STORM SEWER BYLAW (2003-514)

Bureau Veritas ID		WZE422			WZE422		
Sampling Date		2023/09/13 13:00			2023/09/13 13:00		
COC Number		953656-01-01			953656-01-01		
	UNITS	MW23-2	RDL	QC Batch	MW23-2 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Total Animal/Vegetable Oil and Grease	mg/L	<0.50	0.50	8916468			
Inorganics							
Total Kjeldahl Nitrogen (TKN)	mg/L	0.15	0.10	8915997			
pH	pH	7.78		8918550			
Phenols-4AAP	mg/L	<0.0010	0.0010	8919650	<0.0010	0.0010	8919650
Total Suspended Solids	mg/L	<10	10	8919511	<10	10	8919511
Petroleum Hydrocarbons							
Total Oil & Grease	mg/L	<0.50	0.50	8922558			
Total Oil & Grease Mineral/Synthetic	mg/L	<0.50	0.50	8922560			
Metals							
Mercury (Hg)	mg/L	<0.00010	0.00010	8919601			
Total Aluminum (Al)	ug/L	16	4.9	8922919			
Total Antimony (Sb)	ug/L	<0.50	0.50	8922919			
Total Arsenic (As)	ug/L	<1.0	1.0	8922919			
Total Bismuth (Bi)	ug/L	<1.0	1.0	8922919			
Total Boron (B)	ug/L	200	10	8922919			
Total Cadmium (Cd)	ug/L	<0.090	0.090	8922919			
Total Chromium (Cr)	ug/L	<5.0	5.0	8922919			
Total Cobalt (Co)	ug/L	1.2	0.50	8922919			
Total Copper (Cu)	ug/L	3.4	0.90	8922919			
Total Lead (Pb)	ug/L	<0.50	0.50	8922919			
Total Manganese (Mn)	ug/L	18	2.0	8922919			
Total Molybdenum (Mo)	ug/L	1.7	0.50	8922919			
Total Nickel (Ni)	ug/L	3.0	1.0	8922919			
Total Phosphorus (P)	ug/L	<100	100	8922919			
Total Selenium (Se)	ug/L	<2.0	2.0	8922919			
Total Silver (Ag)	ug/L	<0.090	0.090	8922919			
Total Tin (Sn)	ug/L	<1.0	1.0	8922919			
Total Titanium (Ti)	ug/L	<5.0	5.0	8922919			
Total Vanadium (V)	ug/L	<0.50	0.50	8922919			
Total Zinc (Zn)	ug/L	6.5	5.0	8922919			
Semivolatile Organics							
1-Methylnaphthalene	ug/L	<0.3	0.3	8921699			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

OTTAWA SAN&STORM SEWER BYLAW (2003-514)

Bureau Veritas ID		WZE422			WZE422		
Sampling Date		2023/09/13 13:00			2023/09/13 13:00		
COC Number		953656-01-01			953656-01-01		
	UNITS	MW23-2	RDL	QC Batch	MW23-2 Lab-Dup	RDL	QC Batch
2-Methylnaphthalene	ug/L	<0.3	0.3	8921699			
Fluorene	ug/L	<0.3	0.3	8921699			
Naphthalene	ug/L	<0.3	0.3	8921699			
Di-N-butyl phthalate	ug/L	<2	2	8921699			
Bis(2-ethylhexyl)phthalate	ug/L	<2	2	8921699			
Phenanthrene	ug/L	<0.2	0.2	8921699			
Anthracene	ug/L	<0.2	0.2	8921699			
Fluoranthene	ug/L	<0.2	0.2	8921699			
Pyrene	ug/L	<0.2	0.2	8921699			
Benzo(a)anthracene	ug/L	<0.2	0.2	8921699			
Chrysene	ug/L	<0.2	0.2	8921699			
Benzo(b/j)fluoranthene	ug/L	<0.2	0.2	8921699			
Benzo(k)fluoranthene	ug/L	<0.2	0.2	8921699			
Benzo(a)pyrene	ug/L	<0.2	0.2	8921699			
Indeno(1,2,3-cd)pyrene	ug/L	<0.2	0.2	8921699			
Dibenzo(a,h)anthracene	ug/L	<0.2	0.2	8921699			
Benzo(g,h,i)perylene	ug/L	<0.2	0.2	8921699			
Dibenzo(a,i)pyrene	ug/L	<0.2	0.2	8921699			
Benzo(e)pyrene	ug/L	<0.2	0.2	8921699			
Perylene	ug/L	<0.2	0.2	8921699			
Dibenzo(a,j) acridine	ug/L	<0.4	0.4	8921699			
7H-Dibenzo(c,g) Carbazole	ug/L	<0.4	0.4	8921699			
2,4-Dichlorophenol	ug/L	<0.30	0.30	8918819			
Benzyl butyl phthalate	ug/L	<0.50	0.50	8918819			
Bis(2-chloroethoxy)methane	ug/L	<0.50	0.50	8918819			
di-n-octyl phthalate	ug/L	<0.80	0.80	8918819			
Diethyl phthalate	ug/L	<1.0	1.0	8918819			
Indole	ug/L	<1.0	1.0	8918819			
Calculated Parameters							
Total PAHs (18 PAHs)	ug/L	<0.96	0.96	8916470			
Volatile Organics							
Benzene	ug/L	<0.20	0.20	8916724			
Bromodichloromethane	ug/L	<0.50	0.50	8916724			
Bromoform	ug/L	<1.0	1.0	8916724			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

OTTAWA SAN&STORM SEWER BYLAW (2003-514)

Bureau Veritas ID		WZE422			WZE422		
Sampling Date		2023/09/13 13:00			2023/09/13 13:00		
COC Number		953656-01-01			953656-01-01		
	UNITS	MW23-2	RDL	QC Batch	MW23-2 Lab-Dup	RDL	QC Batch
Bromomethane	ug/L	<0.50	0.50	8916724			
Carbon Tetrachloride	ug/L	<0.19	0.19	8916724			
Chlorobenzene	ug/L	<0.20	0.20	8916724			
Chloroethane	ug/L	<1.0	1.0	8916724			
Chloroform	ug/L	0.82	0.20	8916724			
Chloromethane	ug/L	<5.0	5.0	8916724			
Dibromochloromethane	ug/L	<0.50	0.50	8916724			
1,2-Dichlorobenzene	ug/L	<0.40	0.40	8916724			
1,3-Dichlorobenzene	ug/L	<0.40	0.40	8916724			
1,4-Dichlorobenzene	ug/L	<0.40	0.40	8916724			
1,1-Dichloroethane	ug/L	<0.20	0.20	8916724			
1,2-Dichloroethane	ug/L	<0.49	0.49	8916724			
1,1-Dichloroethylene	ug/L	<0.20	0.20	8916724			
cis-1,2-Dichloroethylene	ug/L	16	0.50	8916724			
trans-1,2-Dichloroethylene	ug/L	1.7	0.50	8916724			
1,2-Dichloropropane	ug/L	<0.20	0.20	8916724			
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	8916724			
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	8916724			
Ethylbenzene	ug/L	<0.20	0.20	8916724			
Ethylene Dibromide	ug/L	<0.19	0.19	8916724			
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	8916724			
Styrene	ug/L	<0.40	0.40	8916724			
1,1,2,2-Tetrachloroethane	ug/L	<0.40	0.40	8916724			
Tetrachloroethylene	ug/L	720	0.40	8916724			
1,3,5-Trimethylbenzene	ug/L	<0.20	0.20	8911263			
Toluene	ug/L	<0.20	0.20	8916724			
1,1,1-Trichloroethane	ug/L	<0.20	0.20	8916724			
1,1,2-Trichloroethane	ug/L	<0.40	0.40	8916724			
Trichloroethylene	ug/L	44	0.20	8916724			
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	8916724			
Vinyl Chloride	ug/L	0.96	0.20	8916724			
p+m-Xylene	ug/L	<0.20	0.20	8916724			
o-Xylene	ug/L	<0.20	0.20	8916724			
Total Xylenes	ug/L	<0.20	0.20	8916724			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C3S1843
Report Date: 2023/09/18

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Ave North
Sampler Initials: JB

OTTAWA SAN&STORM SEWER BYLAW (2003-514)

Bureau Veritas ID		WZE422			WZE422		
Sampling Date		2023/09/13 13:00			2023/09/13 13:00		
COC Number		953656-01-01			953656-01-01		
	UNITS	MW23-2	RDL	QC Batch	MW23-2 Lab-Dup	RDL	QC Batch
Calculated Parameters							
Total PCB	ug/L	<0.05	0.05	8916469			
Pesticides & Herbicides							
Hexachlorobenzene	ug/L	<0.005	0.005	8918788			
Microbiological							
Escherichia coli	CFU/100mL	<10	10	8917776			
Surrogate Recovery (%)							
2,4,6-Tribromophenol	%	71		8918819			
2-Fluorobiphenyl	%	85		8918819			
2-Fluorophenol	%	37		8918819			
D14-Terphenyl	%	89		8918819			
D5-Nitrobenzene	%	94		8918819			
D5-Phenol	%	27		8918819			
2,4,6-Tribromophenol	%	57		8921699			
2-Fluorobiphenyl	%	79		8921699			
D14-Terphenyl (FS)	%	101		8921699			
D5-Nitrobenzene	%	99		8921699			
D8-Acenaphthylene	%	75		8921699			
2,4,5,6-Tetrachloro-m-xylene	%	66		8918788			
Decachlorobiphenyl	%	72		8918788			
4-Bromofluorobenzene	%	96		8916724			
D4-1,2-Dichloroethane	%	109		8916724			
D8-Toluene	%	94		8916724			
4-Bromofluorobenzene	%	114		8911263			
D4-1,2-Dichloroethane	%	87		8911263			
D8-Toluene	%	111		8911263			

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Bureau Veritas Job #: C3S1843
Report Date: 2023/09/18

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Ave North
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RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		WZE422			WZE422		
Sampling Date		2023/09/13 13:00			2023/09/13 13:00		
COC Number		953656-01-01			953656-01-01		
	UNITS	MW23-2	RDL	QC Batch	MW23-2 Lab-Dup	RDL	QC Batch
Inorganics							
Fluoride (F-)	mg/L	0.30	0.10	8918551			
Dissolved Sulphate (SO4)	mg/L	130	1.0	8918530			
Sulphide	mg/L	<0.020	0.020	8919642	<0.020	0.020	8919642
Total Cyanide (CN)	mg/L	<0.0050	0.0050	8918822			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C3S1843
Report Date: 2023/09/18

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Ave North
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WZE422
Sample ID: MW23-2
Matrix: Water

Collected: 2023/09/13
Shipped:
Received: 2023/09/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
ABN Compounds in Water by GC/MS	GC/MS	8918819	2023/09/15	2023/09/15	Kathy Horvat
Sewer Use By-Law Semivolatile Organics	GC/MS	8921699	2023/09/16	2023/09/18	Kathy Horvat
Total Cyanide	SKAL/CN	8918822	2023/09/15	2023/09/15	Prgya Panchal
Fluoride	ISE	8918551	2023/09/14	2023/09/15	Nachiketa Gohil
Mercury in Water by CVAA	CV/AA	8919601	2023/09/15	2023/09/18	Thuy Linh Nguyen
Total Metals Analysis by ICPMS	ICP/MS	8922919	2023/09/18	2023/09/18	Arefa Dabhad
E.coli, (CFU/100mL)	PL	8917776	N/A	2023/09/14	Soham Patel
Animal and Vegetable Oil and Grease	BAL	8916468	N/A	2023/09/18	Automated Statchk
Total Oil and Grease	BAL	8922558	2023/09/17	2023/09/17	Navneet Singh
OC Pesticides (Selected) & PCB	GC/ECD	8918788	2023/09/15	2023/09/17	Li Peng
OC Pesticides Summed Parameters	CALC	8916469	N/A	2023/09/15	Automated Statchk
pH	AT	8918550	2023/09/14	2023/09/15	Nachiketa Gohil
Phenols (4AAP)	TECH/PHEN	8919650	N/A	2023/09/15	Chloe Pollock
Sulphate by Automated Turbidimetry	KONE	8918530	N/A	2023/09/15	Massarat Jan
Sulphide	ISE/S	8919642	N/A	2023/09/15	Taslima Aktar
Total Kjeldahl Nitrogen in Water	SKAL	8915997	2023/09/14	2023/09/18	Rajni Tyagi
Total PAHs (Hamilton, Ottawa S.U.B.)	CALC	8916470	N/A	2023/09/18	Automated Statchk
Mineral/Synthetic O & G (TPH Heavy Oil)	BAL	8922560	2023/09/17	2023/09/17	Navneet Singh
Total Suspended Solids	BAL	8919511	2023/09/15	2023/09/18	Razieh Tabesh
Volatile Organic Compounds in Water	GC/MS	8916724	N/A	2023/09/15	Narayan Ghimire
Non-Routine Volatile Organic Compounds	P&T/MS	8911263	N/A	2023/09/15	Zi Wang

Bureau Veritas ID: WZE422 Dup
Sample ID: MW23-2
Matrix: Water

Collected: 2023/09/13
Shipped:
Received: 2023/09/13

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Phenols (4AAP)	TECH/PHEN	8919650	N/A	2023/09/15	Chloe Pollock
Sulphide	ISE/S	8919642	N/A	2023/09/15	Taslima Aktar
Total Suspended Solids	BAL	8919511	2023/09/15	2023/09/18	Razieh Tabesh

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	2.3°C

Sample WZE422 [MW23-2] : VOC Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to meet required regulatory criteria or to achieve lower reporting limits, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8911263	4-Bromofluorobenzene	2023/09/15	114	70 - 130	118	70 - 130	108	%				
8911263	D4-1,2-Dichloroethane	2023/09/15	81	70 - 130	87	70 - 130	86	%				
8911263	D8-Toluene	2023/09/15	108	70 - 130	104	70 - 130	108	%				
8916724	4-Bromofluorobenzene	2023/09/15	99	70 - 130	98	70 - 130	98	%				
8916724	D4-1,2-Dichloroethane	2023/09/15	109	70 - 130	106	70 - 130	103	%				
8916724	D8-Toluene	2023/09/15	97	70 - 130	97	70 - 130	99	%				
8918788	2,4,5,6-Tetrachloro-m-xylene	2023/09/17	72	50 - 130	71	50 - 130	74	%				
8918788	Decachlorobiphenyl	2023/09/17	122	50 - 130	105	50 - 130	112	%				
8918819	2,4,6-Tribromophenol	2023/09/15	89	10 - 130	91	10 - 130	68	%				
8918819	2-Fluorobiphenyl	2023/09/15	80	30 - 130	77	30 - 130	78	%				
8918819	2-Fluorophenol	2023/09/15	46	10 - 130	48	10 - 130	40	%				
8918819	D14-Terphenyl	2023/09/15	95	30 - 130	93	30 - 130	89	%				
8918819	D5-Nitrobenzene	2023/09/15	91	30 - 130	93	30 - 130	87	%				
8918819	D5-Phenol	2023/09/15	30	10 - 130	32	10 - 130	27	%				
8921699	2,4,6-Tribromophenol	2023/09/18	88	10 - 130	82	10 - 130	55	%				
8921699	2-Fluorobiphenyl	2023/09/18	72	30 - 130	71	30 - 130	83	%				
8921699	D14-Terphenyl (FS)	2023/09/18	103	30 - 130	100	30 - 130	100	%				
8921699	D5-Nitrobenzene	2023/09/18	98	30 - 130	98	30 - 130	98	%				
8921699	D8-Acenaphthylene	2023/09/18	76	30 - 130	76	30 - 130	77	%				
8911263	1,3,5-Trimethylbenzene	2023/09/15	114	60 - 140	108	60 - 140	<0.20	ug/L	NC	30		
8915997	Total Kjeldahl Nitrogen (TKN)	2023/09/18	NC	80 - 120	98	80 - 120	<0.10	mg/L	20	20	96	N/A
8916724	1,1,1-Trichloroethane	2023/09/15	94	70 - 130	95	70 - 130	<0.20	ug/L	NC	30		
8916724	1,1,2,2-Tetrachloroethane	2023/09/15	103	70 - 130	93	70 - 130	<0.40	ug/L	NC	30		
8916724	1,1,2-Trichloroethane	2023/09/15	98	70 - 130	90	70 - 130	<0.40	ug/L	NC	30		
8916724	1,1-Dichloroethane	2023/09/15	98	70 - 130	98	70 - 130	<0.20	ug/L	NC	30		
8916724	1,1-Dichloroethylene	2023/09/15	96	70 - 130	97	70 - 130	<0.20	ug/L	5.0	30		
8916724	1,2-Dichlorobenzene	2023/09/15	92	70 - 130	87	70 - 130	<0.40	ug/L	NC	30		
8916724	1,2-Dichloroethane	2023/09/15	95	70 - 130	92	70 - 130	<0.49	ug/L	4.8	30		
8916724	1,2-Dichloropropane	2023/09/15	97	70 - 130	94	70 - 130	<0.20	ug/L	NC	30		
8916724	1,3-Dichlorobenzene	2023/09/15	92	70 - 130	90	70 - 130	<0.40	ug/L	NC	30		
8916724	1,4-Dichlorobenzene	2023/09/15	104	70 - 130	98	70 - 130	<0.40	ug/L	NC	30		
8916724	Benzene	2023/09/15	87	70 - 130	87	70 - 130	<0.20	ug/L	NC	30		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8916724	Bromodichloromethane	2023/09/15	103	70 - 130	101	70 - 130	<0.50	ug/L	NC	30		
8916724	Bromoform	2023/09/15	89	70 - 130	80	70 - 130	<1.0	ug/L	NC	30		
8916724	Bromomethane	2023/09/15	95	60 - 140	94	60 - 140	<0.50	ug/L	NC	30		
8916724	Carbon Tetrachloride	2023/09/15	91	70 - 130	91	70 - 130	<0.19	ug/L	NC	30		
8916724	Chlorobenzene	2023/09/15	98	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
8916724	Chloroethane	2023/09/15	94	70 - 130	94	70 - 130	<1.0	ug/L				
8916724	Chloroform	2023/09/15	101	70 - 130	100	70 - 130	<0.20	ug/L	NC	30		
8916724	Chloromethane	2023/09/15	96	60 - 140	91	60 - 140	<5.0	ug/L				
8916724	cis-1,2-Dichloroethylene	2023/09/15	93	70 - 130	92	70 - 130	<0.50	ug/L	NC	30		
8916724	cis-1,3-Dichloropropene	2023/09/15	101	70 - 130	99	70 - 130	<0.30	ug/L	NC	30		
8916724	Dibromochloromethane	2023/09/15	94	70 - 130	87	70 - 130	<0.50	ug/L	NC	30		
8916724	Ethylbenzene	2023/09/15	89	70 - 130	85	70 - 130	<0.20	ug/L	NC	30		
8916724	Ethylene Dibromide	2023/09/15	96	70 - 130	89	70 - 130	<0.19	ug/L	NC	30		
8916724	Methylene Chloride(Dichloromethane)	2023/09/15	95	70 - 130	93	70 - 130	<2.0	ug/L	NC	30		
8916724	o-Xylene	2023/09/15	83	70 - 130	80	70 - 130	<0.20	ug/L	NC	30		
8916724	p+m-Xylene	2023/09/15	96	70 - 130	93	70 - 130	<0.20	ug/L	NC	30		
8916724	Styrene	2023/09/15	98	70 - 130	93	70 - 130	<0.40	ug/L	NC	30		
8916724	Tetrachloroethylene	2023/09/15	88	70 - 130	85	70 - 130	<0.20	ug/L	NC	30		
8916724	Toluene	2023/09/15	88	70 - 130	86	70 - 130	<0.20	ug/L	3.0	30		
8916724	Total Xylenes	2023/09/15					<0.20	ug/L	NC	30		
8916724	trans-1,2-Dichloroethylene	2023/09/15	90	70 - 130	91	70 - 130	<0.50	ug/L	NC	30		
8916724	trans-1,3-Dichloropropene	2023/09/15	96	70 - 130	102	70 - 130	<0.40	ug/L	NC	30		
8916724	Trichloroethylene	2023/09/15	91	70 - 130	91	70 - 130	<0.20	ug/L	NC	30		
8916724	Trichlorofluoromethane (FREON 11)	2023/09/15	95	70 - 130	95	70 - 130	<0.50	ug/L	NC	30		
8916724	Vinyl Chloride	2023/09/15	NC	70 - 130	93	70 - 130	<0.20	ug/L	1.3	30		
8918530	Dissolved Sulphate (SO4)	2023/09/15	NC	75 - 125	101	80 - 120	<1.0	mg/L	0.63	20		
8918550	pH	2023/09/15			103	98 - 103			0.35	N/A		
8918551	Fluoride (F-)	2023/09/15	101	80 - 120	103	80 - 120	<0.10	mg/L	NC	20		
8918788	Hexachlorobenzene	2023/09/17	70	50 - 130	78	50 - 130	<0.005	ug/L	2.8	30		
8918819	2,4-Dichlorophenol	2023/09/15	85	10 - 130	86	10 - 130	<0.30	ug/L	2.1	40		
8918819	Benzyl butyl phthalate	2023/09/15	84	30 - 130	84	30 - 130	<0.50	ug/L	1.6	40		
8918819	Bis(2-chloroethoxy)methane	2023/09/15	75	30 - 130	76	30 - 130	<0.50	ug/L	1.6	40		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8918819	Diethyl phthalate	2023/09/15	81	30 - 130	83	30 - 130	<1.0	ug/L	2.5	40		
8918819	di-n-octyl phthalate	2023/09/15	84	30 - 130	78	30 - 130	<0.80	ug/L	1.3	40		
8918819	Indole	2023/09/15	35	30 - 130	45	30 - 130	<1.0	ug/L	3.5	40		
8918822	Total Cyanide (CN)	2023/09/15	107	80 - 120	103	80 - 120	<0.0050	mg/L	NC	20		
8919511	Total Suspended Solids	2023/09/18			101	85 - 115	<10	mg/L	NC	20		
8919601	Mercury (Hg)	2023/09/18	98	75 - 125	98	80 - 120	<0.00010	mg/L	NC	20		
8919642	Sulphide	2023/09/15	87	80 - 120	87	80 - 120	<0.020	mg/L	NC	20		
8919650	Phenols-4AAP	2023/09/15	104	80 - 120	103	80 - 120	<0.0010	mg/L	NC	20		
8921699	1-Methylnaphthalene	2023/09/18	70	30 - 130	77	30 - 130	<0.3	ug/L				
8921699	2-Methylnaphthalene	2023/09/18	61	30 - 130	68	30 - 130	<0.3	ug/L				
8921699	7H-Dibenzo(c,g) Carbazole	2023/09/18	86	30 - 130	80	30 - 130	<0.4	ug/L	NC	40		
8921699	Anthracene	2023/09/18	86	30 - 130	86	30 - 130	<0.2	ug/L	NC	40		
8921699	Benzo(a)anthracene	2023/09/18	102	30 - 130	102	30 - 130	<0.2	ug/L	NC	40		
8921699	Benzo(a)pyrene	2023/09/18	107	30 - 130	107	30 - 130	<0.2	ug/L	NC	40		
8921699	Benzo(b/j)fluoranthene	2023/09/18	105	30 - 130	103	30 - 130	<0.2	ug/L	NC	40		
8921699	Benzo(e)pyrene	2023/09/18	103	30 - 130	104	30 - 130	<0.2	ug/L	NC	40		
8921699	Benzo(g,h,i)perylene	2023/09/18	105	30 - 130	106	30 - 130	<0.2	ug/L	NC	40		
8921699	Benzo(k)fluoranthene	2023/09/18	101	30 - 130	98	30 - 130	<0.2	ug/L	NC	40		
8921699	Bis(2-ethylhexyl)phthalate	2023/09/18	119	30 - 130	115	30 - 130	<2	ug/L	NC	40		
8921699	Chrysene	2023/09/18	98	30 - 130	99	30 - 130	<0.2	ug/L	NC	40		
8921699	Dibenzo(a,h)anthracene	2023/09/18	93	30 - 130	95	30 - 130	<0.2	ug/L	NC	40		
8921699	Dibenzo(a,i)pyrene	2023/09/18	45	30 - 130	58	30 - 130	<0.2	ug/L	NC	40		
8921699	Dibenzo(a,j) acridine	2023/09/18	89	30 - 130	90	30 - 130	<0.4	ug/L	NC	40		
8921699	Di-N-butyl phthalate	2023/09/18	97	30 - 130	93	30 - 130	<2	ug/L	NC	40		
8921699	Fluoranthene	2023/09/18	101	30 - 130	98	30 - 130	<0.2	ug/L	NC	40		
8921699	Fluorene	2023/09/18	88	30 - 130	90	30 - 130	<0.3	ug/L				
8921699	Indeno(1,2,3-cd)pyrene	2023/09/18	108	30 - 130	115	30 - 130	<0.2	ug/L	NC	40		
8921699	Naphthalene	2023/09/18	64	30 - 130	69	30 - 130	<0.3	ug/L	NC	40		
8921699	Perylene	2023/09/18	99	30 - 130	99	30 - 130	<0.2	ug/L	NC	40		
8921699	Phenanthrene	2023/09/18	86	30 - 130	87	30 - 130	<0.2	ug/L	NC	40		
8921699	Pyrene	2023/09/18	102	30 - 130	100	30 - 130	<0.2	ug/L	NC	40		
8922558	Total Oil & Grease	2023/09/17			99	85 - 115	<0.50	mg/L	0.51	25		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
8922560	Total Oil & Grease Mineral/Synthetic	2023/09/17			97	85 - 115	<0.50	mg/L	0.52	25		
8922919	Total Aluminum (Al)	2023/09/18	97	80 - 120	105	80 - 120	<4.9	ug/L	NC	20		
8922919	Total Antimony (Sb)	2023/09/18	106	80 - 120	104	80 - 120	<0.50	ug/L	NC	20		
8922919	Total Arsenic (As)	2023/09/18	102	80 - 120	99	80 - 120	<1.0	ug/L	NC	20		
8922919	Total Bismuth (Bi)	2023/09/18	98	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
8922919	Total Boron (B)	2023/09/18	97	80 - 120	97	80 - 120	<10	ug/L	NC	20		
8922919	Total Cadmium (Cd)	2023/09/18	100	80 - 120	98	80 - 120	<0.090	ug/L	NC	20		
8922919	Total Chromium (Cr)	2023/09/18	99	80 - 120	95	80 - 120	<5.0	ug/L	NC	20		
8922919	Total Cobalt (Co)	2023/09/18	98	80 - 120	93	80 - 120	<0.50	ug/L	NC	20		
8922919	Total Copper (Cu)	2023/09/18	105	80 - 120	100	80 - 120	<0.90	ug/L	NC	20		
8922919	Total Lead (Pb)	2023/09/18	102	80 - 120	102	80 - 120	<0.50	ug/L	NC	20		
8922919	Total Manganese (Mn)	2023/09/18	100	80 - 120	98	80 - 120	<2.0	ug/L	2.2	20		
8922919	Total Molybdenum (Mo)	2023/09/18	110	80 - 120	101	80 - 120	<0.50	ug/L	NC	20		
8922919	Total Nickel (Ni)	2023/09/18	97	80 - 120	96	80 - 120	<1.0	ug/L	NC	20		
8922919	Total Phosphorus (P)	2023/09/18	99	80 - 120	94	80 - 120	<100	ug/L				
8922919	Total Selenium (Se)	2023/09/18	102	80 - 120	104	80 - 120	<2.0	ug/L	NC	20		
8922919	Total Silver (Ag)	2023/09/18	103	80 - 120	98	80 - 120	<0.090	ug/L	NC	20		
8922919	Total Tin (Sn)	2023/09/18	104	80 - 120	100	80 - 120	<1.0	ug/L	NC	20		
8922919	Total Titanium (Ti)	2023/09/18	101	80 - 120	101	80 - 120	<5.0	ug/L	NC	20		
8922919	Total Vanadium (V)	2023/09/18	96	80 - 120	93	80 - 120	<0.50	ug/L	NC	20		
8922919	Total Zinc (Zn)	2023/09/18	101	80 - 120	99	80 - 120	<5.0	ug/L	NC	20		

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

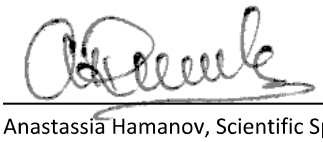
Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

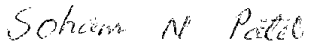
NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist



Soham Patel, Senior Analyst

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Your C.O.C. #: 947903-01-01

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2024/02/27
Report #: R8043629
Version: 7 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3O5376
Received: 2023/08/14, 16:49

Sample Matrix: Ground Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	2	N/A	2023/08/28	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum	2	N/A	2023/08/17		EPA 8260C m
1,3-Dichloropropene Sum	1	N/A	2023/08/21		EPA 8260C m
1,3-Dichloropropene Sum	1	N/A	2023/08/28		EPA 8260C m
Total Chloramines in Water	2	N/A	2023/08/15		
Free Residual Chlorine	2	2023/08/15	2023/08/15	CAM SOP 00425	SM 23 4500-CL G m
Total Residual Chlorine	2	2023/08/15	2023/08/15	CAM SOP 00425	SM 23 4500-CL G m
Petroleum Hydrocarbons F2-F4 in Water (1)	2	2023/08/24	2023/08/26	CAM SOP-00316	CCME PHC-CWS m
Dissolved Metals by ICPMS	2	N/A	2023/08/26	CAM SOP-00447	EPA 6020B m
PAH Compounds in Water by GC/MS (SIM)	1	2023/08/24	2023/08/25	CAM SOP-00318	EPA 8270E
PAH Compounds in Water by GC/MS (SIM)	1	2023/08/24	2023/08/26	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs	1	N/A	2023/08/25	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds in Water	2	N/A	2023/08/16	CAM SOP-00228	EPA 8260D
Volatile Organic Compounds in Water	1	N/A	2023/08/19	CAM SOP-00228	EPA 8260D

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Your Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Your C.O.C. #: 947903-01-01

Attention: Colette Robitaille

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2024/02/27
Report #: R8043629
Version: 7 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3O5376
Received: 2023/08/14, 16:49

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C3O5376
Report Date: 2024/02/27

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Sampler Initials: JB

RESULTS OF ANALYSES OF GROUND WATER

Bureau Veritas ID		WRL909			WRL909			WRL912		
Sampling Date		2023/08/14 11:00			2023/08/14 11:00			2023/08/14 15:00		
COC Number		947903-01-01			947903-01-01			947903-01-01		
	UNITS	MW23-3	RDL	QC Batch	MW23-3 Lab-Dup	RDL	QC Batch	MW23-11	RDL	QC Batch
CONVENTIONALS										
Total Chloramines	mg/L	<0.1	0.1	8852865				<0.1	0.1	8852865
Inorganics										
Free Chlorine	mg/L	<0.1	0.1	8854599				<0.1	0.1	8854599
Total Chlorine	mg/L	<0.1	0.1	8854534	<0.1	0.1	8854534	<0.1	0.1	8854534

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3O5376
Report Date: 2024/02/27

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Sampler Initials: JB

ELEMENTS BY ATOMIC SPECTROSCOPY (GROUND WATER)

Bureau Veritas ID		WRL909	WRL913		
Sampling Date		2023/08/14 11:00	2023/08/14 11:00		
COC Number		947903-01-01	947903-01-01		
	UNITS	MW23-3	MW23-4	RDL	QC Batch
Metals					
Dissolved Antimony (Sb)	ug/L	<0.50	<0.50	0.50	8872531
Dissolved Arsenic (As)	ug/L	<1.0	<1.0	1.0	8872531
Dissolved Barium (Ba)	ug/L	65	76	2.0	8872531
Dissolved Beryllium (Be)	ug/L	<0.40	<0.40	0.40	8872531
Dissolved Boron (B)	ug/L	230	95	10	8872531
Dissolved Cadmium (Cd)	ug/L	<0.090	<0.090	0.090	8872531
Dissolved Chromium (Cr)	ug/L	<5.0	<5.0	5.0	8872531
Dissolved Cobalt (Co)	ug/L	24	0.62	0.50	8872531
Dissolved Copper (Cu)	ug/L	1.4	4.7	0.90	8872531
Dissolved Lead (Pb)	ug/L	<0.50	<0.50	0.50	8872531
Dissolved Molybdenum (Mo)	ug/L	6.9	1.9	0.50	8872531
Dissolved Nickel (Ni)	ug/L	6.8	2.2	1.0	8872531
Dissolved Selenium (Se)	ug/L	<2.0	<2.0	2.0	8872531
Dissolved Silver (Ag)	ug/L	<0.090	<0.090	0.090	8872531
Dissolved Sodium (Na)	ug/L	410000	490000	100	8872531
Dissolved Thallium (Tl)	ug/L	0.18	0.21	0.050	8872531
Dissolved Uranium (U)	ug/L	0.74	0.82	0.10	8872531
Dissolved Vanadium (V)	ug/L	<0.50	<0.50	0.50	8872531
Dissolved Zinc (Zn)	ug/L	<5.0	<5.0	5.0	8872531

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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SEMI-VOLATILE ORGANICS BY GC-MS (GROUND WATER)

Bureau Veritas ID		WRL909	WRL913		
Sampling Date		2023/08/14 11:00	2023/08/14 11:00		
COC Number		947903-01-01	947903-01-01		
	UNITS	MW23-3	MW23-4	RDL	QC Batch
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/L	<0.071	0.28	0.071	8870704
Polyaromatic Hydrocarbons					
Acenaphthene	ug/L	<0.050	<0.050	0.050	8874330
Acenaphthylene	ug/L	<0.050	<0.050	0.050	8874330
Anthracene	ug/L	<0.050	<0.050	0.050	8874330
Benzo(a)anthracene	ug/L	<0.050	<0.050	0.050	8874330
Benzo(a)pyrene	ug/L	<0.0090	<0.0090	0.0090	8874330
Benzo(b/j)fluoranthene	ug/L	<0.050	<0.050	0.050	8874330
Benzo(g,h,i)perylene	ug/L	<0.050	<0.050	0.050	8874330
Benzo(k)fluoranthene	ug/L	<0.050	<0.050	0.050	8874330
Chrysene	ug/L	<0.050	<0.050	0.050	8874330
Dibenzo(a,h)anthracene	ug/L	<0.050	<0.050	0.050	8874330
Fluoranthene	ug/L	<0.050	<0.050	0.050	8874330
Fluorene	ug/L	<0.050	<0.050	0.050	8874330
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	<0.050	0.050	8874330
1-Methylnaphthalene	ug/L	<0.050	0.12	0.050	8874330
2-Methylnaphthalene	ug/L	<0.050	0.16	0.050	8874330
Naphthalene	ug/L	<0.050	<0.050	0.050	8874330
Phenanthrene	ug/L	<0.030	0.044	0.030	8874330
Pyrene	ug/L	<0.050	<0.050	0.050	8874330
Surrogate Recovery (%)					
D10-Anthracene	%	111	112		8874330
D14-Terphenyl (FS)	%	98	111		8874330
D8-Acenaphthylene	%	89	96		8874330

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (GROUND WATER)

Bureau Veritas ID		WRL909			WRL913			WRL913		
Sampling Date		2023/08/14 11:00			2023/08/14 11:00			2023/08/14 11:00		
COC Number		947903-01-01			947903-01-01			947903-01-01		
	UNITS	MW23-3	RDL	QC Batch	MW23-4	RDL	QC Batch	MW23-4 Lab-Dup	RDL	QC Batch
Calculated Parameters										
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	8861371	<0.50	0.50	8870701			
Volatile Organics										
Acetone (2-Propanone)	ug/L	<10	10	8861208	<10	10	8874251	<10	10	8874251
Benzene	ug/L	<0.20	0.20	8861208	<0.17	0.17	8874251	<0.17	0.17	8874251
Bromodichloromethane	ug/L	<0.50	0.50	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
Bromoform	ug/L	<1.0	1.0	8861208	<1.0	1.0	8874251	<1.0	1.0	8874251
Bromomethane	ug/L	<0.50	0.50	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
Carbon Tetrachloride	ug/L	<0.19	0.19	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
Chlorobenzene	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
Chloroform	ug/L	0.45	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
Dibromochloromethane	ug/L	<0.50	0.50	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
1,2-Dichlorobenzene	ug/L	<0.40	0.40	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
1,3-Dichlorobenzene	ug/L	<0.40	0.40	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
1,4-Dichlorobenzene	ug/L	<0.40	0.40	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	8861208	<1.0	1.0	8874251	<1.0	1.0	8874251
1,1-Dichloroethane	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
1,2-Dichloroethane	ug/L	<0.49	0.49	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
1,1-Dichloroethylene	ug/L	2.0	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
cis-1,2-Dichloroethylene	ug/L	940	1.0	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
trans-1,2-Dichloroethylene	ug/L	14	0.50	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
1,2-Dichloropropane	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	8861208	<0.30	0.30	8874251	<0.30	0.30	8874251
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	8861208	<0.40	0.40	8874251	<0.40	0.40	8874251
Ethylbenzene	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
Ethylene Dibromide	ug/L	<0.19	0.19	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
Hexane	ug/L	<1.0	1.0	8861208	<1.0	1.0	8874251	<1.0	1.0	8874251
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	8861208	<2.0	2.0	8874251	<2.0	2.0	8874251
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	8861208	<10	10	8874251	<10	10	8874251
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	8861208	<5.0	5.0	8874251	<5.0	5.0	8874251
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (GROUND WATER)

Bureau Veritas ID		WRL909			WRL913			WRL913		
Sampling Date		2023/08/14 11:00			2023/08/14 11:00			2023/08/14 11:00		
COC Number		947903-01-01			947903-01-01			947903-01-01		
	UNITS	MW23-3	RDL	QC Batch	MW23-4	RDL	QC Batch	MW23-4 Lab-Dup	RDL	QC Batch
Styrene	ug/L	<0.40	0.40	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
1,1,2,2-Tetrachloroethane	ug/L	<0.40	0.40	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
Tetrachloroethylene	ug/L	9.6	0.20	8861208	8.4	0.20	8874251	8.4	0.20	8874251
Toluene	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
1,1,1-Trichloroethane	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
1,1,2-Trichloroethane	ug/L	<0.40	0.40	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
Trichloroethylene	ug/L	23	0.20	8861208	0.65	0.20	8874251	0.64	0.20	8874251
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	8861208	<0.50	0.50	8874251	<0.50	0.50	8874251
Vinyl Chloride	ug/L	88	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
p+m-Xylene	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
o-Xylene	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
Total Xylenes	ug/L	<0.20	0.20	8861208	<0.20	0.20	8874251	<0.20	0.20	8874251
Total Trihalomethanes	ug/L	<1.0	1.0	8861208						
F1 (C6-C10)	ug/L				<25	25	8874251	<25	25	8874251
F1 (C6-C10) - BTEX	ug/L				<25	25	8874251	<25	25	8874251
Surrogate Recovery (%)										
4-Bromofluorobenzene	%				97		8874251	97		8874251
D4-1,2-Dichloroethane	%				112		8874251	111		8874251
D8-Toluene	%				90		8874251	92		8874251
4-Bromofluorobenzene	%	110		8861208						
D4-1,2-Dichloroethane	%	106		8861208						
D8-Toluene	%	97		8861208						

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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VOLATILE ORGANICS BY GC/MS (GROUND WATER)

Bureau Veritas ID		WRL914	WRL915		
Sampling Date		2023/08/14 11:00	2023/08/14 16:00		
COC Number		947903-01-01	947903-01-01		
	UNITS	F. BLANK	T. BLANK	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	<0.50	0.50	8852864
Volatile Organics					
Acetone (2-Propanone)	ug/L	<10	<10	10	8854281
Benzene	ug/L	<0.20	<0.20	0.20	8854281
Bromodichloromethane	ug/L	<0.50	<0.50	0.50	8854281
Bromoform	ug/L	<1.0	<1.0	1.0	8854281
Bromomethane	ug/L	<0.50	<0.50	0.50	8854281
Carbon Tetrachloride	ug/L	<0.19	<0.19	0.19	8854281
Chlorobenzene	ug/L	<0.20	<0.20	0.20	8854281
Chloroform	ug/L	<0.20	<0.20	0.20	8854281
Dibromochloromethane	ug/L	<0.50	<0.50	0.50	8854281
1,2-Dichlorobenzene	ug/L	<0.40	<0.40	0.40	8854281
1,3-Dichlorobenzene	ug/L	<0.40	<0.40	0.40	8854281
1,4-Dichlorobenzene	ug/L	<0.40	<0.40	0.40	8854281
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	<1.0	1.0	8854281
1,1-Dichloroethane	ug/L	<0.20	<0.20	0.20	8854281
1,2-Dichloroethane	ug/L	<0.49	<0.49	0.49	8854281
1,1-Dichloroethylene	ug/L	<0.20	<0.20	0.20	8854281
cis-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	8854281
trans-1,2-Dichloroethylene	ug/L	<0.50	<0.50	0.50	8854281
1,2-Dichloropropane	ug/L	<0.20	<0.20	0.20	8854281
cis-1,3-Dichloropropene	ug/L	<0.30	<0.30	0.30	8854281
trans-1,3-Dichloropropene	ug/L	<0.40	<0.40	0.40	8854281
Ethylbenzene	ug/L	<0.20	<0.20	0.20	8854281
Ethylene Dibromide	ug/L	<0.19	<0.19	0.19	8854281
Hexane	ug/L	<1.0	<1.0	1.0	8854281
Methylene Chloride(Dichloromethane)	ug/L	<2.0	<2.0	2.0	8854281
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	<10	10	8854281
Methyl Isobutyl Ketone	ug/L	<5.0	<5.0	5.0	8854281
Methyl t-butyl ether (MTBE)	ug/L	<0.50	<0.50	0.50	8854281
Styrene	ug/L	<0.40	<0.40	0.40	8854281

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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VOLATILE ORGANICS BY GC/MS (GROUND WATER)

Bureau Veritas ID		WRL914	WRL915		
Sampling Date		2023/08/14 11:00	2023/08/14 16:00		
COC Number		947903-01-01	947903-01-01		
	UNITS	F. BLANK	T. BLANK	RDL	QC Batch
1,1,1,2-Tetrachloroethane	ug/L	<0.50	<0.50	0.50	8854281
1,1,2,2-Tetrachloroethane	ug/L	<0.40	<0.40	0.40	8854281
Tetrachloroethylene	ug/L	<0.20	<0.20	0.20	8854281
Toluene	ug/L	<0.20	<0.20	0.20	8854281
1,1,1-Trichloroethane	ug/L	<0.20	<0.20	0.20	8854281
1,1,2-Trichloroethane	ug/L	<0.40	<0.40	0.40	8854281
Trichloroethylene	ug/L	<0.20	<0.20	0.20	8854281
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	<0.50	0.50	8854281
Vinyl Chloride	ug/L	<0.20	<0.20	0.20	8854281
p+m-Xylene	ug/L	<0.20	<0.20	0.20	8854281
o-Xylene	ug/L	<0.20	<0.20	0.20	8854281
Total Xylenes	ug/L	<0.20	<0.20	0.20	8854281
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	97	97		8854281
D4-1,2-Dichloroethane	%	97	98		8854281
D8-Toluene	%	100	100		8854281

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		WRL909	WRL913		
Sampling Date		2023/08/14 11:00	2023/08/14 11:00		
COC Number		947903-01-01	947903-01-01		
	UNITS	MW23-3	MW23-4	RDL	QC Batch
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/L	<100	<100	100	8874333
F3 (C16-C34 Hydrocarbons)	ug/L	<200	<200	200	8874333
F4 (C34-C50 Hydrocarbons)	ug/L	<200	<200	200	8874333
Reached Baseline at C50	ug/L	Yes	Yes		8874333
Surrogate Recovery (%)					
o-Terphenyl	%	99	98		8874333

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3O5376
Report Date: 2024/02/27

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WRL909
Sample ID: MW23-3
Matrix: Ground Water
Collected: 2023/08/14
Shipped:
Received: 2023/08/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8870704	N/A	2023/08/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	8861371	N/A	2023/08/21	Automated Statchk
Total Chloramines in Water		8852865	N/A	2023/08/15	Automated Statchk
Free Residual Chlorine	SPEC	8854599	2023/08/15	2023/08/15	Leily Karimi
Total Residual Chlorine	SPEC	8854534	2023/08/15	2023/08/15	Leily Karimi
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8874333	2023/08/24	2023/08/26	Dennis Ngondu
Dissolved Metals by ICPMS	ICP/MS	8872531	N/A	2023/08/26	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	8874330	2023/08/24	2023/08/25	Jonghan Yoon
Volatile Organic Compounds in Water	GC/MS	8861208	N/A	2023/08/19	Narayan Ghimire

Bureau Veritas ID: WRL909 Dup
Sample ID: MW23-3
Matrix: Ground Water
Collected: 2023/08/14
Shipped:
Received: 2023/08/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Residual Chlorine	SPEC	8854534	2023/08/15	2023/08/15	Leily Karimi

Bureau Veritas ID: WRL912
Sample ID: MW23-11
Matrix: Ground Water
Collected: 2023/08/14
Shipped:
Received: 2023/08/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Chloramines in Water		8852865	N/A	2023/08/15	Automated Statchk
Free Residual Chlorine	SPEC	8854599	2023/08/15	2023/08/15	Leily Karimi
Total Residual Chlorine	SPEC	8854534	2023/08/15	2023/08/15	Leily Karimi

Bureau Veritas ID: WRL913
Sample ID: MW23-4
Matrix: Ground Water
Collected: 2023/08/14
Shipped:
Received: 2023/08/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8870704	N/A	2023/08/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	8870701	N/A	2023/08/28	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8874333	2023/08/24	2023/08/26	Dennis Ngondu
Dissolved Metals by ICPMS	ICP/MS	8872531	N/A	2023/08/26	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	8874330	2023/08/24	2023/08/26	Jonghan Yoon
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8874251	N/A	2023/08/25	Juan Pangilinan

Bureau Veritas ID: WRL913 Dup
Sample ID: MW23-4
Matrix: Ground Water
Collected: 2023/08/14
Shipped:
Received: 2023/08/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8874251	N/A	2023/08/25	Juan Pangilinan

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3O5376
Report Date: 2024/02/27

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: WRL914
Sample ID: F. BLANK
Matrix: Ground Water

Collected: 2023/08/14
Shipped:
Received: 2023/08/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8852864	N/A	2023/08/17	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	8854281	N/A	2023/08/16	Skylar Canning

Bureau Veritas ID: WRL915
Sample ID: T. BLANK
Matrix: Ground Water

Collected: 2023/08/14
Shipped:
Received: 2023/08/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8852864	N/A	2023/08/17	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	8854281	N/A	2023/08/16	Skylar Canning

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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	16.0°C

Revised Report [2024/02/27]: Split report requested without MW23-2.
Revised Report [2023/10/02]: Split report requested without MW23-1
Revised Report [2023/08/30]: Additional analysis added as per client request.
Revised Report [2023/08/21]: VOC analysis added to samples MW23-2 and MW23-3 per client request

Sample WRL909 [MW23-3] : Sample# WRL909, Job# C3O5376
VOC Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to meet required regulatory criteria or to achieve lower reporting limits, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8854281	4-Bromofluorobenzene	2023/08/16	98	70 - 130	98	70 - 130	97	%		
8854281	D4-1,2-Dichloroethane	2023/08/16	97	70 - 130	96	70 - 130	97	%		
8854281	D8-Toluene	2023/08/16	101	70 - 130	102	70 - 130	100	%		
8861208	4-Bromofluorobenzene	2023/08/18	108	70 - 130	109	70 - 130	110	%		
8861208	D4-1,2-Dichloroethane	2023/08/18	102	70 - 130	103	70 - 130	98	%		
8861208	D8-Toluene	2023/08/18	97	70 - 130	97	70 - 130	97	%		
8874251	4-Bromofluorobenzene	2023/08/25	99	70 - 130	101	70 - 130	97	%		
8874251	D4-1,2-Dichloroethane	2023/08/25	116	70 - 130	111	70 - 130	104	%		
8874251	D8-Toluene	2023/08/25	103	70 - 130	103	70 - 130	92	%		
8874330	D10-Anthracene	2023/08/25	103	50 - 130	114	50 - 130	115	%		
8874330	D14-Terphenyl (FS)	2023/08/25	107	50 - 130	113	50 - 130	117	%		
8874330	D8-Acenaphthylene	2023/08/25	89	50 - 130	94	50 - 130	92	%		
8874333	o-Terphenyl	2023/08/26	102	60 - 130	99	60 - 130	98	%		
8854281	1,1,1,2-Tetrachloroethane	2023/08/16	112	70 - 130	111	70 - 130	<0.50	ug/L	NC	30
8854281	1,1,1-Trichloroethane	2023/08/16	103	70 - 130	101	70 - 130	<0.20	ug/L	0	30
8854281	1,1,2,2-Tetrachloroethane	2023/08/16	105	70 - 130	102	70 - 130	<0.40	ug/L	NC	30
8854281	1,1,2-Trichloroethane	2023/08/16	99	70 - 130	97	70 - 130	<0.40	ug/L	NC	30
8854281	1,1-Dichloroethane	2023/08/16	99	70 - 130	98	70 - 130	<0.20	ug/L	0.23	30
8854281	1,1-Dichloroethylene	2023/08/16	99	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8854281	1,2-Dichlorobenzene	2023/08/16	99	70 - 130	98	70 - 130	<0.40	ug/L	NC	30
8854281	1,2-Dichloroethane	2023/08/16	96	70 - 130	94	70 - 130	<0.49	ug/L	NC	30
8854281	1,2-Dichloropropane	2023/08/16	99	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8854281	1,3-Dichlorobenzene	2023/08/16	102	70 - 130	102	70 - 130	<0.40	ug/L	NC	30
8854281	1,4-Dichlorobenzene	2023/08/16	105	70 - 130	104	70 - 130	<0.40	ug/L	NC	30
8854281	Acetone (2-Propanone)	2023/08/16	96	60 - 140	95	60 - 140	<10	ug/L	0	30
8854281	Benzene	2023/08/16	NC	70 - 130	97	70 - 130	<0.20	ug/L	1.0	30
8854281	Bromodichloromethane	2023/08/16	111	70 - 130	108	70 - 130	<0.50	ug/L	NC	30
8854281	Bromoform	2023/08/16	128	70 - 130	125	70 - 130	<1.0	ug/L	NC	30
8854281	Bromomethane	2023/08/16	109	60 - 140	105	60 - 140	<0.50	ug/L	NC	30
8854281	Carbon Tetrachloride	2023/08/16	112	70 - 130	112	70 - 130	<0.19	ug/L	NC	30
8854281	Chlorobenzene	2023/08/16	101	70 - 130	101	70 - 130	<0.20	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8854281	Chloroform	2023/08/16	100	70 - 130	98	70 - 130	<0.20	ug/L	0.68	30
8854281	cis-1,2-Dichloroethylene	2023/08/16	99	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
8854281	cis-1,3-Dichloropropene	2023/08/16	107	70 - 130	101	70 - 130	<0.30	ug/L	NC	30
8854281	Dibromochloromethane	2023/08/16	123	70 - 130	121	70 - 130	<0.50	ug/L	NC	30
8854281	Dichlorodifluoromethane (FREON 12)	2023/08/16	101	60 - 140	100	60 - 140	<1.0	ug/L	NC	30
8854281	Ethylbenzene	2023/08/16	100	70 - 130	99	70 - 130	<0.20	ug/L	1.1	30
8854281	Ethylene Dibromide	2023/08/16	102	70 - 130	99	70 - 130	<0.19	ug/L	NC	30
8854281	Hexane	2023/08/16	101	70 - 130	100	70 - 130	<1.0	ug/L	0.51	30
8854281	Methyl Ethyl Ketone (2-Butanone)	2023/08/16	100	60 - 140	99	60 - 140	<10	ug/L	NC	30
8854281	Methyl Isobutyl Ketone	2023/08/16	95	70 - 130	93	70 - 130	<5.0	ug/L	NC	30
8854281	Methyl t-butyl ether (MTBE)	2023/08/16	95	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8854281	Methylene Chloride(Dichloromethane)	2023/08/16	94	70 - 130	92	70 - 130	<2.0	ug/L	NC	30
8854281	o-Xylene	2023/08/16	100	70 - 130	98	70 - 130	<0.20	ug/L	1.1	30
8854281	p+m-Xylene	2023/08/16	NC	70 - 130	98	70 - 130	<0.20	ug/L	1.0	30
8854281	Styrene	2023/08/16	103	70 - 130	101	70 - 130	<0.40	ug/L	NC	30
8854281	Tetrachloroethylene	2023/08/16	97	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8854281	Toluene	2023/08/16	NC	70 - 130	99	70 - 130	<0.20	ug/L	0.60	30
8854281	Total Xylenes	2023/08/16					<0.20	ug/L	1.1	30
8854281	trans-1,2-Dichloroethylene	2023/08/16	99	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8854281	trans-1,3-Dichloropropene	2023/08/16	115	70 - 130	105	70 - 130	<0.40	ug/L	NC	30
8854281	Trichloroethylene	2023/08/16	99	70 - 130	98	70 - 130	<0.20	ug/L	0.78	30
8854281	Trichlorofluoromethane (FREON 11)	2023/08/16	102	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8854281	Vinyl Chloride	2023/08/16	105	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
8854534	Total Chlorine	2023/08/15	86	85 - 115	105	85 - 115	<0.1	mg/L	NC	25
8854599	Free Chlorine	2023/08/15	45 (1)	85 - 115	96	85 - 115	<0.1	mg/L	NC	25
8861208	1,1,1,2-Tetrachloroethane	2023/08/18	97	70 - 130	96	70 - 130	<0.50	ug/L		
8861208	1,1,1-Trichloroethane	2023/08/18	104	70 - 130	106	70 - 130	<0.20	ug/L		
8861208	1,1,2,2-Tetrachloroethane	2023/08/18	98	70 - 130	92	70 - 130	<0.40	ug/L	NC	30
8861208	1,1,2-Trichloroethane	2023/08/18	101	70 - 130	100	70 - 130	<0.40	ug/L		
8861208	1,1-Dichloroethane	2023/08/18	101	70 - 130	102	70 - 130	<0.20	ug/L		
8861208	1,1-Dichloroethylene	2023/08/18	101	70 - 130	104	70 - 130	<0.20	ug/L		

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8861208	1,2-Dichlorobenzene	2023/08/18	95	70 - 130	89	70 - 130	<0.40	ug/L	NC	30
8861208	1,2-Dichloroethane	2023/08/18	104	70 - 130	104	70 - 130	<0.49	ug/L		
8861208	1,2-Dichloropropane	2023/08/18	100	70 - 130	98	70 - 130	<0.20	ug/L		
8861208	1,3-Dichlorobenzene	2023/08/18	97	70 - 130	91	70 - 130	<0.40	ug/L		
8861208	1,4-Dichlorobenzene	2023/08/18	93	70 - 130	88	70 - 130	<0.40	ug/L	NC	30
8861208	Acetone (2-Propanone)	2023/08/18	105	60 - 140	105	60 - 140	<10	ug/L		
8861208	Benzene	2023/08/18	101	70 - 130	101	70 - 130	<0.20	ug/L	NC	30
8861208	Bromodichloromethane	2023/08/18	104	70 - 130	103	70 - 130	<0.50	ug/L		
8861208	Bromoform	2023/08/18	96	70 - 130	91	70 - 130	<1.0	ug/L		
8861208	Bromomethane	2023/08/18	103	60 - 140	105	60 - 140	<0.50	ug/L		
8861208	Carbon Tetrachloride	2023/08/18	104	70 - 130	106	70 - 130	<0.19	ug/L		
8861208	Chlorobenzene	2023/08/18	98	70 - 130	96	70 - 130	<0.20	ug/L		
8861208	Chloroform	2023/08/18	105	70 - 130	106	70 - 130	<0.20	ug/L	NC	30
8861208	cis-1,2-Dichloroethylene	2023/08/18	104	70 - 130	104	70 - 130	<0.50	ug/L	NC	30
8861208	cis-1,3-Dichloropropene	2023/08/18	95	70 - 130	97	70 - 130	<0.30	ug/L		
8861208	Dibromochloromethane	2023/08/18	95	70 - 130	93	70 - 130	<0.50	ug/L		
8861208	Dichlorodifluoromethane (FREON 12)	2023/08/18	102	60 - 140	102	60 - 140	<1.0	ug/L		
8861208	Ethylbenzene	2023/08/18	94	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8861208	Ethylene Dibromide	2023/08/18	99	70 - 130	96	70 - 130	<0.19	ug/L		
8861208	Hexane	2023/08/18	103	70 - 130	102	70 - 130	<1.0	ug/L		
8861208	Methyl Ethyl Ketone (2-Butanone)	2023/08/18	110	60 - 140	110	60 - 140	<10	ug/L		
8861208	Methyl Isobutyl Ketone	2023/08/18	102	70 - 130	100	70 - 130	<5.0	ug/L		
8861208	Methyl t-butyl ether (MTBE)	2023/08/18	100	70 - 130	101	70 - 130	<0.50	ug/L		
8861208	Methylene Chloride(Dichloromethane)	2023/08/18	96	70 - 130	95	70 - 130	<2.0	ug/L	NC	30
8861208	o-Xylene	2023/08/18	95	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
8861208	p+m-Xylene	2023/08/18	96	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
8861208	Styrene	2023/08/18	96	70 - 130	95	70 - 130	<0.40	ug/L		
8861208	Tetrachloroethylene	2023/08/18	95	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
8861208	Toluene	2023/08/18	92	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
8861208	Total Trihalomethanes	2023/08/18					<1.0	ug/L		
8861208	Total Xylenes	2023/08/18					<0.20	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8861208	trans-1,2-Dichloroethylene	2023/08/18	103	70 - 130	104	70 - 130	<0.50	ug/L		
8861208	trans-1,3-Dichloropropene	2023/08/18	83	70 - 130	85	70 - 130	<0.40	ug/L	NC	30
8861208	Trichloroethylene	2023/08/18	103	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
8861208	Trichlorofluoromethane (FREON 11)	2023/08/18	110	70 - 130	112	70 - 130	<0.50	ug/L		
8861208	Vinyl Chloride	2023/08/18	100	70 - 130	101	70 - 130	<0.20	ug/L		
8872531	Dissolved Antimony (Sb)	2023/08/25	114	80 - 120	100	80 - 120	<0.50	ug/L		
8872531	Dissolved Arsenic (As)	2023/08/25	107	80 - 120	97	80 - 120	<1.0	ug/L	3.8	20
8872531	Dissolved Barium (Ba)	2023/08/25	107	80 - 120	98	80 - 120	<2.0	ug/L	3.9	20
8872531	Dissolved Beryllium (Be)	2023/08/25	107	80 - 120	97	80 - 120	<0.40	ug/L		
8872531	Dissolved Boron (B)	2023/08/25	NC	80 - 120	96	80 - 120	<10	ug/L	0.17	20
8872531	Dissolved Cadmium (Cd)	2023/08/25	108	80 - 120	96	80 - 120	<0.090	ug/L	NC	20
8872531	Dissolved Chromium (Cr)	2023/08/25	104	80 - 120	94	80 - 120	<5.0	ug/L	NC	20
8872531	Dissolved Cobalt (Co)	2023/08/25	104	80 - 120	94	80 - 120	<0.50	ug/L		
8872531	Dissolved Copper (Cu)	2023/08/25	107	80 - 120	97	80 - 120	<0.90	ug/L	NC	20
8872531	Dissolved Lead (Pb)	2023/08/25	102	80 - 120	92	80 - 120	<0.50	ug/L	NC	20
8872531	Dissolved Molybdenum (Mo)	2023/08/25	114	80 - 120	101	80 - 120	<0.50	ug/L		
8872531	Dissolved Nickel (Ni)	2023/08/25	103	80 - 120	95	80 - 120	<1.0	ug/L		
8872531	Dissolved Selenium (Se)	2023/08/25	105	80 - 120	97	80 - 120	<2.0	ug/L		
8872531	Dissolved Silver (Ag)	2023/08/25	51 (1)	80 - 120	98	80 - 120	<0.090	ug/L		
8872531	Dissolved Sodium (Na)	2023/08/25	NC	80 - 120	95	80 - 120	<100	ug/L	1.6	20
8872531	Dissolved Thallium (Tl)	2023/08/25	103	80 - 120	94	80 - 120	<0.050	ug/L		
8872531	Dissolved Uranium (U)	2023/08/25	105	80 - 120	103	80 - 120	<0.10	ug/L		
8872531	Dissolved Vanadium (V)	2023/08/25	108	80 - 120	96	80 - 120	<0.50	ug/L		
8872531	Dissolved Zinc (Zn)	2023/08/25	104	80 - 120	94	80 - 120	<5.0	ug/L	NC	20
8874251	1,1,1,2-Tetrachloroethane	2023/08/25	96	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
8874251	1,1,1-Trichloroethane	2023/08/25	95	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
8874251	1,1,2,2-Tetrachloroethane	2023/08/25	99	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
8874251	1,1,2-Trichloroethane	2023/08/25	105	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
8874251	1,1-Dichloroethane	2023/08/25	100	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
8874251	1,1-Dichloroethylene	2023/08/25	96	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
8874251	1,2-Dichlorobenzene	2023/08/25	93	70 - 130	96	70 - 130	<0.50	ug/L	NC	30

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874251	1,2-Dichloroethane	2023/08/25	104	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
8874251	1,2-Dichloropropane	2023/08/25	97	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8874251	1,3-Dichlorobenzene	2023/08/25	91	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8874251	1,4-Dichlorobenzene	2023/08/25	92	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8874251	Acetone (2-Propanone)	2023/08/25	111	60 - 140	108	60 - 140	<10	ug/L	NC	30
8874251	Benzene	2023/08/25	94	70 - 130	99	70 - 130	<0.17	ug/L	NC	30
8874251	Bromodichloromethane	2023/08/25	96	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
8874251	Bromoform	2023/08/25	89	70 - 130	93	70 - 130	<1.0	ug/L	NC	30
8874251	Bromomethane	2023/08/25	96	60 - 140	97	60 - 140	<0.50	ug/L	NC	30
8874251	Carbon Tetrachloride	2023/08/25	94	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
8874251	Chlorobenzene	2023/08/25	90	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
8874251	Chloroform	2023/08/25	99	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
8874251	cis-1,2-Dichloroethylene	2023/08/25	96	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8874251	cis-1,3-Dichloropropene	2023/08/25	95	70 - 130	100	70 - 130	<0.30	ug/L	NC	30
8874251	Dibromochloromethane	2023/08/25	93	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8874251	Dichlorodifluoromethane (FREON 12)	2023/08/25	97	60 - 140	101	60 - 140	<1.0	ug/L	NC	30
8874251	Ethylbenzene	2023/08/25	84	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8874251	Ethylene Dibromide	2023/08/25	97	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
8874251	F1 (C6-C10) - BTEX	2023/08/25					<25	ug/L	NC	30
8874251	F1 (C6-C10)	2023/08/25	83	60 - 140	94	60 - 140	<25	ug/L	NC	30
8874251	Hexane	2023/08/25	103	70 - 130	109	70 - 130	<1.0	ug/L	NC	30
8874251	Methyl Ethyl Ketone (2-Butanone)	2023/08/25	105	60 - 140	107	60 - 140	<10	ug/L	NC	30
8874251	Methyl Isobutyl Ketone	2023/08/25	100	70 - 130	104	70 - 130	<5.0	ug/L	NC	30
8874251	Methyl t-butyl ether (MTBE)	2023/08/25	89	70 - 130	95	70 - 130	<0.50	ug/L	NC	30
8874251	Methylene Chloride(Dichloromethane)	2023/08/25	97	70 - 130	97	70 - 130	<2.0	ug/L	NC	30
8874251	o-Xylene	2023/08/25	84	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8874251	p+m-Xylene	2023/08/25	79	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
8874251	Styrene	2023/08/25	64 (1)	70 - 130	72	70 - 130	<0.50	ug/L	NC	30
8874251	Tetrachloroethylene	2023/08/25	92	70 - 130	100	70 - 130	<0.20	ug/L	0.12	30
8874251	Toluene	2023/08/25	87	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8874251	Total Xylenes	2023/08/25					<0.20	ug/L	NC	30

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874251	trans-1,2-Dichloroethylene	2023/08/25	96	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8874251	trans-1,3-Dichloropropene	2023/08/25	100	70 - 130	103	70 - 130	<0.40	ug/L	NC	30
8874251	Trichloroethylene	2023/08/25	91	70 - 130	98	70 - 130	<0.20	ug/L	1.4	30
8874251	Trichlorofluoromethane (FREON 11)	2023/08/25	93	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8874251	Vinyl Chloride	2023/08/25	94	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8874330	1-Methylnaphthalene	2023/08/25	113	50 - 130	117	50 - 130	<0.050	ug/L	NC	30
8874330	2-Methylnaphthalene	2023/08/25	102	50 - 130	106	50 - 130	<0.050	ug/L	NC	30
8874330	Acenaphthene	2023/08/25	102	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
8874330	Acenaphthylene	2023/08/25	97	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
8874330	Anthracene	2023/08/25	108	50 - 130	111	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(a)anthracene	2023/08/25	101	50 - 130	101	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(a)pyrene	2023/08/25	94	50 - 130	92	50 - 130	<0.0090	ug/L	NC	30
8874330	Benzo(b/j)fluoranthene	2023/08/25	99	50 - 130	97	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(g,h,i)perylene	2023/08/25	101	50 - 130	98	50 - 130	<0.050	ug/L	NC	30
8874330	Benzo(k)fluoranthene	2023/08/25	93	50 - 130	93	50 - 130	<0.050	ug/L	NC	30
8874330	Chrysene	2023/08/25	99	50 - 130	98	50 - 130	<0.050	ug/L	NC	30
8874330	Dibenzo(a,h)anthracene	2023/08/25	94	50 - 130	90	50 - 130	<0.050	ug/L	NC	30
8874330	Fluoranthene	2023/08/25	112	50 - 130	116	50 - 130	<0.050	ug/L	NC	30
8874330	Fluorene	2023/08/25	101	50 - 130	104	50 - 130	<0.050	ug/L	NC	30
8874330	Indeno(1,2,3-cd)pyrene	2023/08/25	102	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
8874330	Naphthalene	2023/08/25	97	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
8874330	Phenanthrene	2023/08/25	103	50 - 130	106	50 - 130	<0.030	ug/L	NC	30
8874330	Pyrene	2023/08/25	111	50 - 130	114	50 - 130	<0.050	ug/L	NC	30
8874333	F2 (C10-C16 Hydrocarbons)	2023/08/26	102	60 - 130	100	60 - 130	<100	ug/L	NC	30
8874333	F3 (C16-C34 Hydrocarbons)	2023/08/26	100	60 - 130	100	60 - 130	<200	ug/L	NC	30

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8874333	F4 (C34-C50 Hydrocarbons)	2023/08/26	88	60 - 130	85	60 - 130	<200	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C3O5376
Report Date: 2024/02/27

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 Churchill Avenue North, Otawa
Sampler Initials: JB

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Brad Newman, B.Sc., C.Chem., Scientific Service Specialist

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: n/a

Attention: Salim Eid

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/12/07
Report #: R7944562
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3AQ664
Received: 2023/11/29, 18:49

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum (1)	2	N/A	2023/12/07		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	2	2023/12/03	2023/12/04	CAM SOP-00316	CCME PHC-CWS m
Volatile Organic Compounds and F1 PHCs (1)	2	N/A	2023/12/04	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCCFP, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: n/a

Attention: Salim Eid

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2023/12/07
Report #: R7944562
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3AQ664
Received: 2023/11/29, 18:49

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

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Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		XTI651		XTI652		
Sampling Date		2023/11/28 16:00		2023/11/29 16:00		
COC Number		n/a		n/a		
	UNITS	MW 23-1	RDL	MW 23-2	RDL	QC Batch
Calculated Parameters						
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	<0.50	0.50	9084432
Volatile Organics						
Acetone (2-Propanone)	ug/L	<10	10	<10	10	9087630
Benzene	ug/L	<0.17	0.17	<0.17	0.17	9087630
Bromodichloromethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Bromoform	ug/L	<1.0	1.0	<1.0	1.0	9087630
Bromomethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Carbon Tetrachloride	ug/L	<0.20	0.20	<0.20	0.20	9087630
Chlorobenzene	ug/L	<0.20	0.20	<0.20	0.20	9087630
Chloroform	ug/L	0.48	0.20	0.55	0.20	9087630
Dibromochloromethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,2-Dichlorobenzene	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,3-Dichlorobenzene	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,4-Dichlorobenzene	ug/L	<0.50	0.50	<0.50	0.50	9087630
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	<1.0	1.0	9087630
1,1-Dichloroethane	ug/L	<0.20	0.20	0.26	0.20	9087630
1,2-Dichloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,1-Dichloroethylene	ug/L	<0.20	0.20	0.25	0.20	9087630
cis-1,2-Dichloroethylene	ug/L	40	0.50	33	0.50	9087630
trans-1,2-Dichloroethylene	ug/L	0.69	0.50	0.94	0.50	9087630
1,2-Dichloropropane	ug/L	<0.20	0.20	<0.20	0.20	9087630
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	<0.30	0.30	9087630
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	<0.40	0.40	9087630
Ethylbenzene	ug/L	<0.20	0.20	<0.20	0.20	9087630
Ethylene Dibromide	ug/L	<0.20	0.20	<0.20	0.20	9087630
Hexane	ug/L	<1.0	1.0	<1.0	1.0	9087630
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	<2.0	2.0	9087630
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	<10	10	9087630
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	<5.0	5.0	9087630
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	<0.50	0.50	9087630
Styrene	ug/L	<0.50	0.50	<0.50	0.50	9087630

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		XTI651		XTI652		
Sampling Date		2023/11/28 16:00		2023/11/29 16:00		
COC Number		n/a		n/a		
	UNITS	MW 23-1	RDL	MW 23-2	RDL	QC Batch
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Tetrachloroethylene	ug/L	0.57	0.20	1400	1.0	9087630
Toluene	ug/L	<0.20	0.20	<0.20	0.20	9087630
1,1,1-Trichloroethane	ug/L	<0.20	0.20	<0.20	0.20	9087630
1,1,2-Trichloroethane	ug/L	<0.50	0.50	<0.50	0.50	9087630
Trichloroethylene	ug/L	1.2	0.20	120	0.20	9087630
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	<0.50	0.50	9087630
Vinyl Chloride	ug/L	7.3	0.20	4.0	0.20	9087630
p+m-Xylene	ug/L	<0.20	0.20	<0.20	0.20	9087630
o-Xylene	ug/L	<0.20	0.20	<0.20	0.20	9087630
Total Xylenes	ug/L	<0.20	0.20	<0.20	0.20	9087630
F1 (C6-C10)	ug/L	<25	25	480 (1)	130	9087630
F1 (C6-C10) - BTEX	ug/L	<25	25	480	130	9087630
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	<100	100	9087970
F3 (C16-C34 Hydrocarbons)	ug/L	<200	200	<200	200	9087970
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	<200	200	9087970
Reached Baseline at C50	ug/L	Yes		Yes		9087970
Surrogate Recovery (%)						
o-Terphenyl	%	102		100		9087970
4-Bromofluorobenzene	%	89		84		9087630
D4-1,2-Dichloroethane	%	109		110		9087630
D8-Toluene	%	86		84		9087630

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Result reported was due to chlorinated compounds eluting inside the F1 range.

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: XTI651
Sample ID: MW 23-1
Matrix: Water

Collected: 2023/11/28
Shipped:
Received: 2023/11/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9084432	N/A	2023/12/07	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9087970	2023/12/03	2023/12/04	Jeevaraj Jeevaratrnam
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9087630	N/A	2023/12/04	Gladys Guerrero

Bureau Veritas ID: XTI652
Sample ID: MW 23-2
Matrix: Water

Collected: 2023/11/29
Shipped:
Received: 2023/11/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9084432	N/A	2023/12/07	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9087970	2023/12/03	2023/12/04	Jeevaraj Jeevaratrnam
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9087630	N/A	2023/12/04	Gladys Guerrero

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	5.7°C

Sample XTI652 [MW 23-2] : VOC/F1 Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to achieve lower reporting limits, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Results relate only to the items tested.

Bureau Veritas Job #: C3AQ664
Report Date: 2023/12/07

QUALITY ASSURANCE REPORT

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9087630	4-Bromofluorobenzene	2023/12/04	96	70 - 130	97	70 - 130	92	%		
9087630	D4-1,2-Dichloroethane	2023/12/04	103	70 - 130	96	70 - 130	99	%		
9087630	D8-Toluene	2023/12/04	104	70 - 130	106	70 - 130	90	%		
9087970	o-Terphenyl	2023/12/04	102	60 - 130	104	60 - 130	101	%		
9087630	1,1,1,2-Tetrachloroethane	2023/12/04	99	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
9087630	1,1,1-Trichloroethane	2023/12/04	97	70 - 130	86	70 - 130	<0.20	ug/L	NC	30
9087630	1,1,2,2-Tetrachloroethane	2023/12/04	105	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
9087630	1,1,2-Trichloroethane	2023/12/04	102	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
9087630	1,1-Dichloroethane	2023/12/04	101	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
9087630	1,1-Dichloroethylene	2023/12/04	98	70 - 130	87	70 - 130	<0.20	ug/L	NC	30
9087630	1,2-Dichlorobenzene	2023/12/04	102	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
9087630	1,2-Dichloroethane	2023/12/04	99	70 - 130	86	70 - 130	<0.50	ug/L	NC	30
9087630	1,2-Dichloropropane	2023/12/04	102	70 - 130	91	70 - 130	<0.20	ug/L	NC	30
9087630	1,3-Dichlorobenzene	2023/12/04	101	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
9087630	1,4-Dichlorobenzene	2023/12/04	112	70 - 130	111	70 - 130	<0.50	ug/L	NC	30
9087630	Acetone (2-Propanone)	2023/12/04	106	60 - 140	96	60 - 140	<10	ug/L	NC	30
9087630	Benzene	2023/12/04	93	70 - 130	82	70 - 130	<0.17	ug/L	NC	30
9087630	Bromodichloromethane	2023/12/04	106	70 - 130	95	70 - 130	<0.50	ug/L	NC	30
9087630	Bromoform	2023/12/04	92	70 - 130	86	70 - 130	<1.0	ug/L	NC	30
9087630	Bromomethane	2023/12/04	101	60 - 140	86	60 - 140	<0.50	ug/L	NC	30
9087630	Carbon Tetrachloride	2023/12/04	94	70 - 130	84	70 - 130	<0.20	ug/L	NC	30
9087630	Chlorobenzene	2023/12/04	103	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
9087630	Chloroform	2023/12/04	103	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
9087630	cis-1,2-Dichloroethylene	2023/12/04	102	70 - 130	90	70 - 130	<0.50	ug/L	NC	30
9087630	cis-1,3-Dichloropropene	2023/12/04	106	70 - 130	95	70 - 130	<0.30	ug/L	NC	30
9087630	Dibromochloromethane	2023/12/04	98	70 - 130	90	70 - 130	<0.50	ug/L	NC	30
9087630	Dichlorodifluoromethane (FREON 12)	2023/12/04	92	60 - 140	80	60 - 140	<1.0	ug/L	NC	30
9087630	Ethylbenzene	2023/12/04	90	70 - 130	86	70 - 130	<0.20	ug/L	NC	30
9087630	Ethylene Dibromide	2023/12/04	103	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9087630	F1 (C6-C10) - BTEX	2023/12/04					<25	ug/L	NC	30
9087630	F1 (C6-C10)	2023/12/04	103	60 - 140	95	60 - 140	<25	ug/L	NC	30
9087630	Hexane	2023/12/04	94	70 - 130	85	70 - 130	<1.0	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9087630	Methyl Ethyl Ketone (2-Butanone)	2023/12/04	113	60 - 140	104	60 - 140	<10	ug/L	NC	30
9087630	Methyl Isobutyl Ketone	2023/12/04	89	70 - 130	85	70 - 130	<5.0	ug/L	NC	30
9087630	Methyl t-butyl ether (MTBE)	2023/12/04	102	70 - 130	95	70 - 130	<0.50	ug/L	NC	30
9087630	Methylene Chloride(Dichloromethane)	2023/12/04	119	70 - 130	102	70 - 130	<2.0	ug/L	NC	30
9087630	o-Xylene	2023/12/04	85	70 - 130	82	70 - 130	<0.20	ug/L	NC	30
9087630	p+m-Xylene	2023/12/04	95	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
9087630	Styrene	2023/12/04	76	70 - 130	74	70 - 130	<0.50	ug/L	NC	30
9087630	Tetrachloroethylene	2023/12/04	97	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
9087630	Toluene	2023/12/04	94	70 - 130	87	70 - 130	<0.20	ug/L	NC	30
9087630	Total Xylenes	2023/12/04					<0.20	ug/L	NC	30
9087630	trans-1,2-Dichloroethylene	2023/12/04	97	70 - 130	87	70 - 130	<0.50	ug/L	NC	30
9087630	trans-1,3-Dichloropropene	2023/12/04	118	70 - 130	108	70 - 130	<0.40	ug/L	NC	30
9087630	Trichloroethylene	2023/12/04	99	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
9087630	Trichlorofluoromethane (FREON 11)	2023/12/04	96	70 - 130	85	70 - 130	<0.50	ug/L	NC	30
9087630	Vinyl Chloride	2023/12/04	95	70 - 130	82	70 - 130	<0.20	ug/L	NC	30
9087970	F2 (C10-C16 Hydrocarbons)	2023/12/04	104	60 - 130	107	60 - 130	<100	ug/L	NC	30
9087970	F3 (C16-C34 Hydrocarbons)	2023/12/04	103	60 - 130	108	60 - 130	<200	ug/L	NC	30
9087970	F4 (C34-C50 Hydrocarbons)	2023/12/04	104	60 - 130	108	60 - 130	<200	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

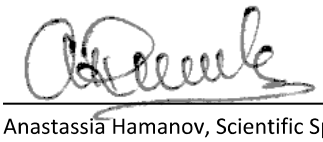
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: N/A

Attention: Salim Eid

Englobe Corp.
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B5R6

Report Date: 2024/01/31
Report #: R8010450
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C425636
Received: 2024/01/25, 13:49

Sample Matrix: Ground Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum (1)	1	N/A	2024/01/30		EPA 8260C m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	1	2024/01/30	2024/01/30	CAM SOP-00316	CCME PHC-CWS m
Volatile Organic Compounds and F1 PHCs (1)	1	N/A	2024/01/29	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: N/A

Attention: Salim Eid

Englobe Corp.
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B5R6

Report Date: 2024/01/31
Report #: R8010450
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C425636
Received: 2024/01/25, 13:49

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C425636
Report Date: 2024/01/31

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

O.REG 153 VOCS BY HS & F1-F4 (GROUND WATER)

Bureau Veritas ID		YFH789		
Sampling Date		2024/01/25 13:00		
COC Number		N/A		
	UNITS	MW24-1	RDL	QC Batch
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	9184432
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	9187056
Benzene	ug/L	0.39	0.17	9187056
Bromodichloromethane	ug/L	<0.50	0.50	9187056
Bromoform	ug/L	<1.0	1.0	9187056
Bromomethane	ug/L	<0.50	0.50	9187056
Carbon Tetrachloride	ug/L	<0.20	0.20	9187056
Chlorobenzene	ug/L	<0.20	0.20	9187056
Chloroform	ug/L	<0.20	0.20	9187056
Dibromochloromethane	ug/L	<0.50	0.50	9187056
1,2-Dichlorobenzene	ug/L	<0.50	0.50	9187056
1,3-Dichlorobenzene	ug/L	<0.50	0.50	9187056
1,4-Dichlorobenzene	ug/L	<0.50	0.50	9187056
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	9187056
1,1-Dichloroethane	ug/L	<0.20	0.20	9187056
1,2-Dichloroethane	ug/L	<0.50	0.50	9187056
1,1-Dichloroethylene	ug/L	<0.20	0.20	9187056
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	9187056
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	9187056
1,2-Dichloropropane	ug/L	<0.20	0.20	9187056
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	9187056
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	9187056
Ethylbenzene	ug/L	<0.20	0.20	9187056
Ethylene Dibromide	ug/L	<0.20	0.20	9187056
Hexane	ug/L	<1.0	1.0	9187056
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	9187056
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	9187056
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	9187056
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	9187056
Styrene	ug/L	<0.50	0.50	9187056
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	9187056
1,1,2,2-Tetrachloroethane	ug/L	<0.50	0.50	9187056

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (GROUND WATER)

Bureau Veritas ID		YFH789		
Sampling Date		2024/01/25 13:00		
COC Number		N/A		
	UNITS	MW24-1	RDL	QC Batch
Tetrachloroethylene	ug/L	<0.20	0.20	9187056
Toluene	ug/L	0.21	0.20	9187056
1,1,1-Trichloroethane	ug/L	<0.20	0.20	9187056
1,1,2-Trichloroethane	ug/L	<0.50	0.50	9187056
Trichloroethylene	ug/L	<0.20	0.20	9187056
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	9187056
Vinyl Chloride	ug/L	<0.20	0.20	9187056
p+m-Xylene	ug/L	<0.20	0.20	9187056
o-Xylene	ug/L	<0.20	0.20	9187056
Total Xylenes	ug/L	<0.20	0.20	9187056
F1 (C6-C10)	ug/L	<25	25	9187056
F1 (C6-C10) - BTEX	ug/L	<25	25	9187056
F2-F4 Hydrocarbons				
F2 (C10-C16 Hydrocarbons)	ug/L	<100	100	9189744
F3 (C16-C34 Hydrocarbons)	ug/L	<200	200	9189744
F4 (C34-C50 Hydrocarbons)	ug/L	<200	200	9189744
Reached Baseline at C50	ug/L	Yes		9189744
Surrogate Recovery (%)				
o-Terphenyl	%	101		9189744
4-Bromofluorobenzene	%	98		9187056
D4-1,2-Dichloroethane	%	107		9187056
D8-Toluene	%	96		9187056

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C425636
Report Date: 2024/01/31

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: YFH789
Sample ID: MW24-1
Matrix: Ground Water

Collected: 2024/01/25
Shipped:
Received: 2024/01/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9184432	N/A	2024/01/30	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9189744	2024/01/30	2024/01/30	Agnieszka Brzuzy-Snopko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9187056	N/A	2024/01/29	Blair Gannon

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	9.7°C

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C425636
Report Date: 2024/01/31

QUALITY ASSURANCE REPORT

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9187056	4-Bromofluorobenzene	2024/01/29	98	70 - 130	100	70 - 130	99	%		
9187056	D4-1,2-Dichloroethane	2024/01/29	101	70 - 130	101	70 - 130	104	%		
9187056	D8-Toluene	2024/01/29	100	70 - 130	100	70 - 130	97	%		
9189744	o-Terphenyl	2024/01/30	101	60 - 130	103	60 - 130	102	%		
9187056	1,1,1,2-Tetrachloroethane	2024/01/29	94	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
9187056	1,1,1-Trichloroethane	2024/01/29	92	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9187056	1,1,2,2-Tetrachloroethane	2024/01/29	97	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
9187056	1,1,2-Trichloroethane	2024/01/29	98	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
9187056	1,1-Dichloroethane	2024/01/29	94	70 - 130	96	70 - 130	<0.20	ug/L	NC	30
9187056	1,1-Dichloroethylene	2024/01/29	92	70 - 130	96	70 - 130	<0.20	ug/L	NC	30
9187056	1,2-Dichlorobenzene	2024/01/29	92	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
9187056	1,2-Dichloroethane	2024/01/29	92	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
9187056	1,2-Dichloropropane	2024/01/29	92	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9187056	1,3-Dichlorobenzene	2024/01/29	95	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
9187056	1,4-Dichlorobenzene	2024/01/29	103	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
9187056	Acetone (2-Propanone)	2024/01/29	96	60 - 140	95	60 - 140	<10	ug/L	NC	30
9187056	Benzene	2024/01/29	86	70 - 130	90	70 - 130	<0.17	ug/L	NC	30
9187056	Bromodichloromethane	2024/01/29	100	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
9187056	Bromoform	2024/01/29	87	70 - 130	87	70 - 130	<1.0	ug/L	NC	30
9187056	Bromomethane	2024/01/29	79	60 - 140	81	60 - 140	<0.50	ug/L	NC	30
9187056	Carbon Tetrachloride	2024/01/29	88	70 - 130	91	70 - 130	<0.20	ug/L	NC	30
9187056	Chlorobenzene	2024/01/29	94	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9187056	Chloroform	2024/01/29	96	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
9187056	cis-1,2-Dichloroethylene	2024/01/29	94	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
9187056	cis-1,3-Dichloropropene	2024/01/29	94	70 - 130	93	70 - 130	<0.30	ug/L	NC	30
9187056	Dibromochloromethane	2024/01/29	94	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
9187056	Dichlorodifluoromethane (FREON 12)	2024/01/29	65	60 - 140	69	60 - 140	<1.0	ug/L	NC	30
9187056	Ethylbenzene	2024/01/29	85	70 - 130	87	70 - 130	<0.20	ug/L	NC	30
9187056	Ethylene Dibromide	2024/01/29	96	70 - 130	96	70 - 130	<0.20	ug/L	NC	30
9187056	F1 (C6-C10) - BTEX	2024/01/29					<25	ug/L	NC	30
9187056	F1 (C6-C10)	2024/01/29	85	60 - 140	87	60 - 140	<25	ug/L	NC	30
9187056	Hexane	2024/01/29	85	70 - 130	89	70 - 130	<1.0	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9187056	Methyl Ethyl Ketone (2-Butanone)	2024/01/29	99	60 - 140	101	60 - 140	<10	ug/L	NC	30
9187056	Methyl Isobutyl Ketone	2024/01/29	94	70 - 130	99	70 - 130	<5.0	ug/L	NC	30
9187056	Methyl t-butyl ether (MTBE)	2024/01/29	97	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
9187056	Methylene Chloride(Dichloromethane)	2024/01/29	90	70 - 130	93	70 - 130	<2.0	ug/L	NC	30
9187056	o-Xylene	2024/01/29	79	70 - 130	82	70 - 130	<0.20	ug/L	NC	30
9187056	p+m-Xylene	2024/01/29	89	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
9187056	Styrene	2024/01/29	97	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
9187056	Tetrachloroethylene	2024/01/29	89	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
9187056	Toluene	2024/01/29	86	70 - 130	88	70 - 130	<0.20	ug/L	NC	30
9187056	Total Xylenes	2024/01/29					<0.20	ug/L	NC	30
9187056	trans-1,2-Dichloroethylene	2024/01/29	90	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
9187056	trans-1,3-Dichloropropene	2024/01/29	98	70 - 130	96	70 - 130	<0.40	ug/L	NC	30
9187056	Trichloroethylene	2024/01/29	93	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9187056	Trichlorofluoromethane (FREON 11)	2024/01/29	90	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
9187056	Vinyl Chloride	2024/01/29	82	70 - 130	88	70 - 130	<0.20	ug/L	NC	30
9189744	F2 (C10-C16 Hydrocarbons)	2024/01/30	98	60 - 130	101	60 - 130	<100	ug/L	10	30
9189744	F3 (C16-C34 Hydrocarbons)	2024/01/30	90	60 - 130	108	60 - 130	<200	ug/L	NC	30
9189744	F4 (C34-C50 Hydrocarbons)	2024/01/30	105	60 - 130	109	60 - 130	<200	ug/L	8.6	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

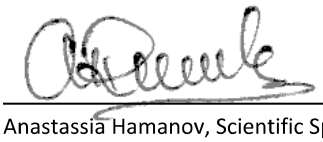
Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

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Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: N/A

Attention: Salim Eid

Englobe Corp.
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B5R6

Report Date: 2024/02/01
Report #: R8011417
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C425648
Received: 2024/01/25, 13:49

Sample Matrix: Ground Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum (1)	1	N/A	2024/02/01		EPA 8260C m
Volatile Organic Compounds in Water (1)	1	N/A	2024/02/01	CAM SOP-00228	EPA 8260D

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: N/A

Attention: Salim Eid

Englobe Corp.
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B5R6

Report Date: 2024/02/01
Report #: R8011417
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C425648
Received: 2024/01/25, 13:49

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
==========
This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID		YFH862		
Sampling Date		2024/01/25 12:00		
COC Number		N/A		
	UNITS	MW23-2	RDL	QC Batch
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	9184432
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	9187120
Benzene	ug/L	<0.20	0.20	9187120
Bromodichloromethane	ug/L	<0.50	0.50	9187120
Bromoform	ug/L	<1.0	1.0	9187120
Bromomethane	ug/L	<0.50	0.50	9187120
Carbon Tetrachloride	ug/L	<0.19	0.19	9187120
Chlorobenzene	ug/L	<0.20	0.20	9187120
Chloroform	ug/L	0.56	0.20	9187120
Dibromochloromethane	ug/L	<0.50	0.50	9187120
1,2-Dichlorobenzene	ug/L	<0.40	0.40	9187120
1,3-Dichlorobenzene	ug/L	<0.40	0.40	9187120
1,4-Dichlorobenzene	ug/L	<0.40	0.40	9187120
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	9187120
1,1-Dichloroethane	ug/L	<0.20	0.20	9187120
1,2-Dichloroethane	ug/L	<0.49	0.49	9187120
1,1-Dichloroethylene	ug/L	<0.20	0.20	9187120
cis-1,2-Dichloroethylene	ug/L	27	0.50	9187120
trans-1,2-Dichloroethylene	ug/L	1.4	0.50	9187120
1,2-Dichloropropane	ug/L	<0.20	0.20	9187120
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	9187120
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	9187120
Ethylbenzene	ug/L	<0.20	0.20	9187120
Ethylene Dibromide	ug/L	<0.19	0.19	9187120
Hexane	ug/L	<1.0	1.0	9187120
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	9187120
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	9187120
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	9187120
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	9187120
Styrene	ug/L	<0.40	0.40	9187120
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	9187120
1,1,2,2-Tetrachloroethane	ug/L	<0.40	0.40	9187120

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID		YFH862		
Sampling Date		2024/01/25 12:00		
COC Number		N/A		
	UNITS	MW23-2	RDL	QC Batch
Tetrachloroethylene	ug/L	730	0.40	9187120
Toluene	ug/L	<0.20	0.20	9187120
1,1,1-Trichloroethane	ug/L	<0.20	0.20	9187120
1,1,2-Trichloroethane	ug/L	<0.40	0.40	9187120
Trichloroethylene	ug/L	51	0.20	9187120
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	9187120
Vinyl Chloride	ug/L	3.2	0.20	9187120
p+m-Xylene	ug/L	<0.20	0.20	9187120
o-Xylene	ug/L	<0.20	0.20	9187120
Total Xylenes	ug/L	<0.20	0.20	9187120
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	102		9187120
D4-1,2-Dichloroethane	%	102		9187120
D8-Toluene	%	96		9187120

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C425648
Report Date: 2024/02/01

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

TEST SUMMARY

Bureau Veritas ID: YFH862
Sample ID: MW23-2
Matrix: Ground Water

Collected: 2024/01/25
Shipped:
Received: 2024/01/25

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9184432	N/A	2024/02/01	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	9187120	N/A	2024/02/01	Narayan Ghimire

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	9.7°C

Sample YFH862 [MW23-2] : VOC Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. In order to meet required regulatory criteria or to achieve lower reporting limits, results for selected compounds (obtained by a separate analysis using an appropriate low dilution) are included in the report.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9187120	4-Bromofluorobenzene	2024/01/31	104	70 - 130	102	70 - 130	103	%		
9187120	D4-1,2-Dichloroethane	2024/01/31	99	70 - 130	101	70 - 130	98	%		
9187120	D8-Toluene	2024/01/31	97	70 - 130	99	70 - 130	96	%		
9187120	1,1,1,2-Tetrachloroethane	2024/01/31	103	70 - 130	102	70 - 130	<0.50	ug/L		
9187120	1,1,1-Trichloroethane	2024/01/31	100	70 - 130	100	70 - 130	<0.20	ug/L		
9187120	1,1,2,2-Tetrachloroethane	2024/01/31	101	70 - 130	101	70 - 130	<0.40	ug/L		
9187120	1,1,2-Trichloroethane	2024/01/31	98	70 - 130	98	70 - 130	<0.40	ug/L		
9187120	1,1-Dichloroethane	2024/01/31	96	70 - 130	97	70 - 130	<0.20	ug/L		
9187120	1,1-Dichloroethylene	2024/01/31	94	70 - 130	97	70 - 130	<0.20	ug/L		
9187120	1,2-Dichlorobenzene	2024/01/31	99	70 - 130	100	70 - 130	<0.40	ug/L		
9187120	1,2-Dichloroethane	2024/01/31	95	70 - 130	95	70 - 130	<0.49	ug/L		
9187120	1,2-Dichloropropane	2024/01/31	95	70 - 130	94	70 - 130	<0.20	ug/L		
9187120	1,3-Dichlorobenzene	2024/01/31	102	70 - 130	101	70 - 130	<0.40	ug/L		
9187120	1,4-Dichlorobenzene	2024/01/31	111	70 - 130	115	70 - 130	<0.40	ug/L		
9187120	Acetone (2-Propanone)	2024/01/31	97	60 - 140	99	60 - 140	<10	ug/L		
9187120	Benzene	2024/01/31	93	70 - 130	92	70 - 130	<0.20	ug/L		
9187120	Bromodichloromethane	2024/01/31	104	70 - 130	103	70 - 130	<0.50	ug/L		
9187120	Bromoform	2024/01/31	91	70 - 130	91	70 - 130	<1.0	ug/L		
9187120	Bromomethane	2024/01/31	81	60 - 140	84	60 - 140	<0.50	ug/L		
9187120	Carbon Tetrachloride	2024/01/31	101	70 - 130	102	70 - 130	<0.19	ug/L		
9187120	Chlorobenzene	2024/01/31	104	70 - 130	103	70 - 130	<0.20	ug/L		
9187120	Chloroform	2024/01/31	100	70 - 130	99	70 - 130	<0.20	ug/L		
9187120	cis-1,2-Dichloroethylene	2024/01/31	97	70 - 130	96	70 - 130	<0.50	ug/L		
9187120	cis-1,3-Dichloropropene	2024/01/31	95	70 - 130	95	70 - 130	<0.30	ug/L		
9187120	Dibromochloromethane	2024/01/31	99	70 - 130	98	70 - 130	<0.50	ug/L		
9187120	Dichlorodifluoromethane (FREON 12)	2024/01/31	77	60 - 140	80	60 - 140	<1.0	ug/L		
9187120	Ethylbenzene	2024/01/31	93	70 - 130	93	70 - 130	<0.20	ug/L		
9187120	Ethylene Dibromide	2024/01/31	99	70 - 130	100	70 - 130	<0.19	ug/L		
9187120	Hexane	2024/01/31	87	70 - 130	87	70 - 130	<1.0	ug/L		
9187120	Methyl Ethyl Ketone (2-Butanone)	2024/01/31	104	60 - 140	105	60 - 140	<10	ug/L		
9187120	Methyl Isobutyl Ketone	2024/01/31	94	70 - 130	94	70 - 130	<5.0	ug/L		
9187120	Methyl t-butyl ether (MTBE)	2024/01/31	102	70 - 130	103	70 - 130	<0.50	ug/L		

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9187120	Methylene Chloride(Dichloromethane)	2024/01/31	98	70 - 130	99	70 - 130	<2.0	ug/L		
9187120	o-Xylene	2024/01/31	87	70 - 130	87	70 - 130	<0.20	ug/L	0.46	30
9187120	p+m-Xylene	2024/01/31	98	70 - 130	98	70 - 130	<0.20	ug/L	6.6	30
9187120	Styrene	2024/01/31	102	70 - 130	101	70 - 130	<0.40	ug/L		
9187120	Tetrachloroethylene	2024/01/31	101	70 - 130	101	70 - 130	<0.20	ug/L		
9187120	Toluene	2024/01/31	92	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
9187120	Total Xylenes	2024/01/31					<0.20	ug/L	4.5	30
9187120	trans-1,2-Dichloroethylene	2024/01/31	96	70 - 130	97	70 - 130	<0.50	ug/L		
9187120	trans-1,3-Dichloropropene	2024/01/31	100	70 - 130	102	70 - 130	<0.40	ug/L		
9187120	Trichloroethylene	2024/01/31	105	70 - 130	104	70 - 130	<0.20	ug/L		
9187120	Trichlorofluoromethane (FREON 11)	2024/01/31	100	70 - 130	103	70 - 130	<0.50	ug/L		
9187120	Vinyl Chloride	2024/01/31	84	70 - 130	87	70 - 130	<0.20	ug/L		

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

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Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

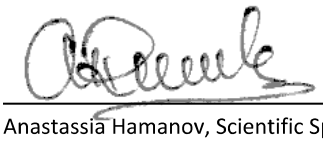
NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

Bureau Veritas Job #: C425648
Report Date: 2024/02/01

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE N
Sampler Initials: JB

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

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Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Your C.O.C. #: C#969278-03-01

Attention: Aqsa Gatchalian

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/28
Report #: R8527845
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C543505
Received: 2025/04/17, 16:40

Sample Matrix: Water
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	3	N/A	2025/04/24	CAM SOP-00301	EPA 8270D m
Methylnaphthalene Sum	1	N/A	2025/04/25	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum	7	N/A	2025/04/24		EPA 8260C m
Chloride by Automated Colourimetry	5	N/A	2025/04/23	CAM SOP-00463	SM 24 4500-Cl E m
Chromium (VI) in Water	5	N/A	2025/04/23	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide	5	N/A	2025/04/21	CAM SOP-00457	OMOE E3015 m
Petroleum Hydrocarbons F2-F4 in Water (1)	3	2025/04/23	2025/04/23	CAM SOP-00316	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1)	2	2025/04/24	2025/04/24	CAM SOP-00316	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1)	1	2025/04/25	2025/04/25	CAM SOP-00316	CCME PHC-CWS m
Mercury	5	2025/04/23	2025/04/24	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS	5	N/A	2025/04/24	CAM SOP-00447	EPA 6020B m
PAH Compounds in Water by GC/MS (SIM)	3	2025/04/23	2025/04/23	CAM SOP-00318	EPA 8270E
PAH Compounds in Water by GC/MS (SIM)	1	2025/04/25	2025/04/25	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs	6	N/A	2025/04/23	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds in Water	1	N/A	2025/04/24	CAM SOP-00228	EPA 8260D

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

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Your Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Your C.O.C. #: C#969278-03-01

Attention: Aqsa Gatchalian

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/28
Report #: R8527845
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C543505
Received: 2025/04/17, 16:40

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID			AQAV50	AQAV52	AQAV53	AQAV54	AQAV55		
Sampling Date			2025/04/16 15:00	2025/04/17 10:30	2025/04/17 12:00	2025/04/17 13:30	2025/04/16		
COC Number			C#969278-03-01	C#969278-03-01	C#969278-03-01	C#969278-03-01	C#969278-03-01		
	UNITS	Criteria	MW25-2A	MW25-1A	MW25-4A	MW25-5	DUP 250416	RDL	QC Batch
Inorganics									
WAD Cyanide (Free)	ug/L	52	<1	<1	<1	<1	<1	1	9912669
Dissolved Chloride (Cl-)	mg/L	1800	**2800**	**2700**	790	**2000**	**2800**	20	9914237

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Non-Potable Ground Water - All Types of Property Use - Medium and Fine Textured Soil

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AQAV50			AQAV50			AQAV52		
Sampling Date			2025/04/16 15:00			2025/04/16 15:00			2025/04/17 10:30		
COC Number			C#969278-03-01			C#969278-03-01			C#969278-03-01		
	UNITS	Criteria	MW25-2A	RDL	QC Batch	MW25-2A Lab-Dup	RDL	QC Batch	MW25-1A	RDL	QC Batch
Metals											
Chromium (VI)	ug/L	110	<1.0	1.0	9914153	<1.0	1.0	9914153	<1.0	1.0	9914153
Mercury (Hg)	ug/L	0.1	<0.10	0.10	9914974				<0.10	0.10	9914836
Dissolved Antimony (Sb)	ug/L	16000	<0.50	0.50	9913991				<0.50	0.50	9913991
Dissolved Arsenic (As)	ug/L	1500	<1.0	1.0	9913991				<1.0	1.0	9913991
Dissolved Barium (Ba)	ug/L	23000	300	2.0	9913991				350	2.0	9913991
Dissolved Beryllium (Be)	ug/L	53	<0.40	0.40	9913991				<0.40	0.40	9913991
Dissolved Boron (B)	ug/L	36000	220	10	9913991				150	10	9913991
Dissolved Cadmium (Cd)	ug/L	2.1	<0.090	0.090	9913991				<0.090	0.090	9913991
Dissolved Chromium (Cr)	ug/L	640	<5.0	5.0	9913991				<5.0	5.0	9913991
Dissolved Cobalt (Co)	ug/L	52	0.85	0.50	9913991				<0.50	0.50	9913991
Dissolved Copper (Cu)	ug/L	69	1.9	0.90	9913991				<0.90	0.90	9913991
Dissolved Lead (Pb)	ug/L	20	<0.50	0.50	9913991				<0.50	0.50	9913991
Dissolved Molybdenum (Mo)	ug/L	7300	3.4	0.50	9913991				3.8	0.50	9913991
Dissolved Nickel (Ni)	ug/L	390	8.8	1.0	9913991				4.4	1.0	9913991
Dissolved Selenium (Se)	ug/L	50	<2.0	2.0	9913991				<2.0	2.0	9913991
Dissolved Silver (Ag)	ug/L	1.2	<0.090	0.090	9913991				<0.090	0.090	9913991
Dissolved Sodium (Na)	ug/L	1800000	1700000	500	9913991				1700000	500	9913991
Dissolved Thallium (Tl)	ug/L	400	0.59	0.050	9913991				<0.050	0.050	9913991
Dissolved Uranium (U)	ug/L	330	1.5	0.10	9913991				1.6	0.10	9913991
Dissolved Vanadium (V)	ug/L	200	<0.50	0.50	9913991				<0.50	0.50	9913991
Dissolved Zinc (Zn)	ug/L	890	<5.0	5.0	9913991				<5.0	5.0	9913991

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Non-Potable Ground Water - All Types of Property Use - Medium and Fine Textured Soil

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Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AQAV53		AQAV54			AQAV54		
Sampling Date			2025/04/17 12:00		2025/04/17 13:30			2025/04/17 13:30		
COC Number			C#969278-03-01		C#969278-03-01			C#969278-03-01		
	UNITS	Criteria	MW25-4A	QC Batch	MW25-5	RDL	QC Batch	MW25-5 Lab-Dup	RDL	QC Batch
Metals										
Chromium (VI)	ug/L	110	<1.0	9914153	<1.0	1.0	9914153			
Mercury (Hg)	ug/L	0.1	<0.10	9914836	<0.10	0.10	9914974			
Dissolved Antimony (Sb)	ug/L	16000	<0.50	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Arsenic (As)	ug/L	1500	1.7	9913991	<1.0	1.0	9913991	<1.0	1.0	9913991
Dissolved Barium (Ba)	ug/L	23000	250	9913991	190	2.0	9913991	190	2.0	9913991
Dissolved Beryllium (Be)	ug/L	53	<0.40	9913991	<0.40	0.40	9913991	<0.40	0.40	9913991
Dissolved Boron (B)	ug/L	36000	410	9913991	120	10	9913991	120	10	9913991
Dissolved Cadmium (Cd)	ug/L	2.1	<0.090	9913991	<0.090	0.090	9913991	<0.090	0.090	9913991
Dissolved Chromium (Cr)	ug/L	640	<5.0	9913991	<5.0	5.0	9913991	<5.0	5.0	9913991
Dissolved Cobalt (Co)	ug/L	52	0.52	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Copper (Cu)	ug/L	69	<0.90	9913991	<0.90	0.90	9913991	<0.90	0.90	9913991
Dissolved Lead (Pb)	ug/L	20	<0.50	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Molybdenum (Mo)	ug/L	7300	7.8	9913991	0.76	0.50	9913991	0.78	0.50	9913991
Dissolved Nickel (Ni)	ug/L	390	3.2	9913991	<1.0	1.0	9913991	<1.0	1.0	9913991
Dissolved Selenium (Se)	ug/L	50	<2.0	9913991	<2.0	2.0	9913991	<2.0	2.0	9913991
Dissolved Silver (Ag)	ug/L	1.2	<0.090	9913991	<0.090	0.090	9913991	<0.090	0.090	9913991
Dissolved Sodium (Na)	ug/L	1800000	600000	9913991	1200000	500	9913991	1200000	500	9913991
Dissolved Thallium (Tl)	ug/L	400	<0.050	9913991	<0.050	0.050	9913991	<0.050	0.050	9913991
Dissolved Uranium (U)	ug/L	330	1.8	9913991	0.28	0.10	9913991	0.26	0.10	9913991
Dissolved Vanadium (V)	ug/L	200	<0.50	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Zinc (Zn)	ug/L	890	<5.0	9913991	<5.0	5.0	9913991	<5.0	5.0	9913991

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Non-Potable Ground Water - All Types of Property Use - Medium and Fine Textured Soil

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Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID			AQAV55		
Sampling Date			2025/04/16		
COC Number			C#969278-03-01		
	UNITS	Criteria	DUP 250416	RDL	QC Batch
Metals					
Chromium (VI)	ug/L	110	<1.0	1.0	9914153
Mercury (Hg)	ug/L	0.1	<0.10	0.10	9914974
Dissolved Antimony (Sb)	ug/L	16000	<0.50	0.50	9913991
Dissolved Arsenic (As)	ug/L	1500	<1.0	1.0	9913991
Dissolved Barium (Ba)	ug/L	23000	290	2.0	9913991
Dissolved Beryllium (Be)	ug/L	53	<0.40	0.40	9913991
Dissolved Boron (B)	ug/L	36000	220	10	9913991
Dissolved Cadmium (Cd)	ug/L	2.1	<0.090	0.090	9913991
Dissolved Chromium (Cr)	ug/L	640	<5.0	5.0	9913991
Dissolved Cobalt (Co)	ug/L	52	0.99	0.50	9913991
Dissolved Copper (Cu)	ug/L	69	0.97	0.90	9913991
Dissolved Lead (Pb)	ug/L	20	<0.50	0.50	9913991
Dissolved Molybdenum (Mo)	ug/L	7300	3.3	0.50	9913991
Dissolved Nickel (Ni)	ug/L	390	8.8	1.0	9913991
Dissolved Selenium (Se)	ug/L	50	<2.0	2.0	9913991
Dissolved Silver (Ag)	ug/L	1.2	<0.090	0.090	9913991
Dissolved Sodium (Na)	ug/L	1800000	1700000	500	9913991
Dissolved Thallium (Tl)	ug/L	400	0.54	0.050	9913991
Dissolved Uranium (U)	ug/L	330	1.5	0.10	9913991
Dissolved Vanadium (V)	ug/L	200	<0.50	0.50	9913991
Dissolved Zinc (Zn)	ug/L	890	<5.0	5.0	9913991

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
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Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

SEMI-VOLATILE ORGANICS BY GC-MS (WATER)

Bureau Veritas ID			AQAV50	AQAV52	AQAV53		AQAV55		
Sampling Date			2025/04/16 15:00	2025/04/17 10:30	2025/04/17 12:00		2025/04/16		
COC Number			C#969278-03-01	C#969278-03-01	C#969278-03-01		C#969278-03-01		
	UNITS	Criteria	MW25-2A	MW25-1A	MW25-4A	QC Batch	DUP 250416	RDL	QC Batch
Calculated Parameters									
Methylnaphthalene, 2-(1-)	ug/L	-	<0.071	<0.071	<0.071	9912505	<0.071	0.071	9912505
Polyaromatic Hydrocarbons									
Acenaphthene	ug/L	17	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Acenaphthylene	ug/L	1	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Anthracene	ug/L	1	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(a)anthracene	ug/L	1.8	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(a)pyrene	ug/L	0.81	<0.0090	<0.0090	<0.0090	9914328	<0.0090	0.0090	9916094
Benzo(b/j)fluoranthene	ug/L	0.75	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(g,h,i)perylene	ug/L	0.2	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(k)fluoranthene	ug/L	0.4	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Chrysene	ug/L	0.7	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Dibenzo(a,h)anthracene	ug/L	0.4	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Fluoranthene	ug/L	44	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Fluorene	ug/L	290	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Indeno(1,2,3-cd)pyrene	ug/L	0.2	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
1-Methylnaphthalene	ug/L	1500	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
2-Methylnaphthalene	ug/L	1500	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Naphthalene	ug/L	7	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Phenanthrene	ug/L	380	<0.030	<0.030	<0.030	9914328	<0.030	0.030	9916094
Pyrene	ug/L	5.7	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Surrogate Recovery (%)									
D10-Anthracene	%	-	102	107	110	9914328	106		9916094
D14-Terphenyl (FS)	%	-	48 (1)	99	114	9914328	98		9916094
D8-Acenaphthylene	%	-	89	92	93	9914328	101		9916094

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

VOLATILE ORGANICS BY GC/MS (WATER)

Bureau Veritas ID			AQAV50	AQAV51	AQAV52	AQAV53		
Sampling Date			2025/04/16 15:00	2025/04/17 08:30	2025/04/17 10:30	2025/04/17 12:00		
COC Number			C#969278-03-01	C#969278-03-01	C#969278-03-01	C#969278-03-01		
	UNITS	Criteria	MW25-2A	MW25-2B	MW25-1A	MW25-4A	RDL	QC Batch
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	0.50	9912935
Volatile Organics								
Acetone (2-Propanone)	ug/L	100000	<10	<10	<10	12	10	9913854
Benzene	ug/L	0.5	0.33	<0.17	**0.57**	**0.91**	0.17	9913854
Bromodichloromethane	ug/L	67000	<0.50	<0.50	<0.50	<0.50	0.50	9913854
Bromoform	ug/L	5	<1.0	<1.0	<1.0	<1.0	1.0	9913854
Bromomethane	ug/L	0.89	<0.50	<0.50	<0.50	<0.50	0.50	9913854
Carbon Tetrachloride	ug/L	0.2	<0.20	<0.20	<0.20	<0.20	0.20	9913854
Chlorobenzene	ug/L	140	<0.20	<0.20	<0.20	<0.20	0.20	9913854
Chloroform	ug/L	2	<0.20	<0.20	<0.20	<0.20	0.20	9913854
Dibromochloromethane	ug/L	65000	<0.50	<0.50	<0.50	<0.50	0.50	9913854
1,2-Dichlorobenzene	ug/L	150	<0.50	<0.50	<0.50	<0.50	0.50	9913854
1,3-Dichlorobenzene	ug/L	7600	<0.50	<0.50	<0.50	<0.50	0.50	9913854
1,4-Dichlorobenzene	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	0.50	9913854
Dichlorodifluoromethane (FREON 12)	ug/L	3500	<1.0	<1.0	<1.0	<1.0	1.0	9913854
1,1-Dichloroethane	ug/L	11	<0.20	<0.20	<0.20	<0.20	0.20	9913854
1,2-Dichloroethane	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	0.50	9913854
1,1-Dichloroethylene	ug/L	0.5	<0.20	<0.20	**0.61**	<0.20	0.20	9913854
cis-1,2-Dichloroethylene	ug/L	1.6	**11**	**5.4**	**300**	**210**	0.50	9913854
trans-1,2-Dichloroethylene	ug/L	1.6	1.1	1.1	**4.5**	1.5	0.50	9913854
1,2-Dichloropropane	ug/L	0.58	<0.20	<0.20	<0.20	<0.20	0.20	9913854
cis-1,3-Dichloropropene	ug/L	0.5	<0.30	<0.30	<0.30	<0.30	0.30	9913854
trans-1,3-Dichloropropene	ug/L	0.5	<0.40	<0.40	<0.40	<0.40	0.40	9913854
Ethylbenzene	ug/L	54	<0.20	<0.20	<0.20	<0.20	0.20	9913854
Ethylene Dibromide	ug/L	0.2	<0.20	<0.20	<0.20	<0.20	0.20	9913854
Hexane	ug/L	5	<1.0	<1.0	<1.0	<1.0	1.0	9913854
Methylene Chloride(Dichloromethane)	ug/L	26	<2.0	<2.0	<2.0	<2.0	2.0	9913854
Methyl Ethyl Ketone (2-Butanone)	ug/L	21000	<10	<10	<10	<10	10	9913854

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

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Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

VOLATILE ORGANICS BY GC/MS (WATER)

Bureau Veritas ID			AQAV50	AQAV51	AQAV52	AQAV53		
Sampling Date			2025/04/16 15:00	2025/04/17 08:30	2025/04/17 10:30	2025/04/17 12:00		
COC Number			C#969278-03-01	C#969278-03-01	C#969278-03-01	C#969278-03-01		
	UNITS	Criteria	MW25-2A	MW25-2B	MW25-1A	MW25-4A	RDL	QC Batch
Methyl Isobutyl Ketone	ug/L	5200	<5.0	<5.0	<5.0	<5.0	5.0	9913854
Methyl t-butyl ether (MTBE)	ug/L	15	<0.50	<0.50	<0.50	<0.50	0.50	9913854
Styrene	ug/L	43	<0.50	<0.50	<0.50	<0.50	0.50	9913854
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	<0.50	<0.50	<0.50	0.50	9913854
1,1,2,2-Tetrachloroethane	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	0.50	9913854
Tetrachloroethylene	ug/L	0.5	**39**	**17**	**120**	0.25	0.20	9913854
Toluene	ug/L	320	0.21	<0.20	0.61	0.37	0.20	9913854
1,1,1-Trichloroethane	ug/L	23	<0.20	<0.20	<0.20	<0.20	0.20	9913854
1,1,2-Trichloroethane	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	0.50	9913854
Trichloroethylene	ug/L	0.5	**25**	**5.3**	**98**	**0.51**	0.20	9913854
Trichlorofluoromethane (FREON 11)	ug/L	2000	<0.50	<0.50	<0.50	<0.50	0.50	9913854
Vinyl Chloride	ug/L	0.5	0.22	<0.20	**41**	**60**	0.20	9913854
p+m-Xylene	ug/L	-	<0.20	<0.20	<0.20	<0.20	0.20	9913854
o-Xylene	ug/L	-	<0.20	<0.20	<0.20	<0.20	0.20	9913854
Total Xylenes	ug/L	72	<0.20	<0.20	<0.20	<0.20	0.20	9913854
F1 (C6-C10)	ug/L	420	<25	<25	59	<25	25	9913854
F1 (C6-C10) - BTEX	ug/L	420	<25	<25	58	<25	25	9913854
Surrogate Recovery (%)								
4-Bromofluorobenzene	%	-	96	99	96	96		9913854
D4-1,2-Dichloroethane	%	-	116	118	113	116		9913854
D8-Toluene	%	-	85	84	85	86		9913854

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Non-Potable Ground Water - All Types of Property Use - Medium and Fine Textured Soil

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

VOLATILE ORGANICS BY GC/MS (WATER)

Bureau Veritas ID			AQAV54	AQAV55			AQAV56		
Sampling Date			2025/04/17 13:30	2025/04/16			2025/04/17		
COC Number			C#969278-03-01	C#969278-03-01			C#969278-03-01		
	UNITS	Criteria	MW25-5	DUP 250416	RDL	QC Batch	TRIP BLANK	RDL	QC Batch
Calculated Parameters									
1,3-Dichloropropene (cis+trans)	ug/L	0.5	<0.50	<0.50	0.50	9912935	<0.50	0.50	9912935
Volatile Organics									
Acetone (2-Propanone)	ug/L	100000	<10	<10	10	9913854	<10	10	9913960
Benzene	ug/L	0.5	<0.17	0.28	0.17	9913854	<0.20	0.20	9913960
Bromodichloromethane	ug/L	67000	<0.50	<0.50	0.50	9913854	<0.50	0.50	9913960
Bromoform	ug/L	5	<1.0	<1.0	1.0	9913854	<1.0	1.0	9913960
Bromomethane	ug/L	0.89	<0.50	<0.50	0.50	9913854	<0.50	0.50	9913960
Carbon Tetrachloride	ug/L	0.2	<0.20	<0.20	0.20	9913854	<0.19	0.19	9913960
Chlorobenzene	ug/L	140	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
Chloroform	ug/L	2	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
Dibromochloromethane	ug/L	65000	<0.50	<0.50	0.50	9913854	<0.50	0.50	9913960
1,2-Dichlorobenzene	ug/L	150	<0.50	<0.50	0.50	9913854	<0.40	0.40	9913960
1,3-Dichlorobenzene	ug/L	7600	<0.50	<0.50	0.50	9913854	<0.40	0.40	9913960
1,4-Dichlorobenzene	ug/L	0.5	<0.50	<0.50	0.50	9913854	<0.40	0.40	9913960
Dichlorodifluoromethane (FREON 12)	ug/L	3500	<1.0	<1.0	1.0	9913854	<1.0	1.0	9913960
1,1-Dichloroethane	ug/L	11	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
1,2-Dichloroethane	ug/L	0.5	<0.50	<0.50	0.50	9913854	<0.49	0.49	9913960
1,1-Dichloroethylene	ug/L	0.5	**0.62**	<0.20	0.20	9913854	<0.20	0.20	9913960
cis-1,2-Dichloroethylene	ug/L	1.6	**390**	**11**	0.50	9913854	<0.50	0.50	9913960
trans-1,2-Dichloroethylene	ug/L	1.6	**8.4**	0.97	0.50	9913854	<0.50	0.50	9913960
1,2-Dichloropropane	ug/L	0.58	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
cis-1,3-Dichloropropene	ug/L	0.5	<0.30	<0.30	0.30	9913854	<0.30	0.30	9913960
trans-1,3-Dichloropropene	ug/L	0.5	<0.40	<0.40	0.40	9913854	<0.40	0.40	9913960
Ethylbenzene	ug/L	54	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
Ethylene Dibromide	ug/L	0.2	<0.20	<0.20	0.20	9913854	<0.19	0.19	9913960
Hexane	ug/L	5	<1.0	<1.0	1.0	9913854	<1.0	1.0	9913960
Methylene Chloride(Dichloromethane)	ug/L	26	<2.0	<2.0	2.0	9913854	<2.0	2.0	9913960
Methyl Ethyl Ketone (2-Butanone)	ug/L	21000	<10	<10	10	9913854	<10	10	9913960

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

VOLATILE ORGANICS BY GC/MS (WATER)

Bureau Veritas ID			AQAV54	AQAV55			AQAV56		
Sampling Date			2025/04/17 13:30	2025/04/16			2025/04/17		
COC Number			C#969278-03-01	C#969278-03-01			C#969278-03-01		
	UNITS	Criteria	MW25-5	DUP 250416	RDL	QC Batch	TRIP BLANK	RDL	QC Batch
Methyl Isobutyl Ketone	ug/L	5200	<5.0	<5.0	5.0	9913854	<5.0	5.0	9913960
Methyl t-butyl ether (MTBE)	ug/L	15	<0.50	<0.50	0.50	9913854	<0.50	0.50	9913960
Styrene	ug/L	43	<0.50	<0.50	0.50	9913854	<0.40	0.40	9913960
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	<0.50	0.50	9913854	<0.50	0.50	9913960
1,1,2,2-Tetrachloroethane	ug/L	0.5	<0.50	<0.50	0.50	9913854	<0.40	0.40	9913960
Tetrachloroethylene	ug/L	0.5	**1.1**	**31**	0.20	9913854	<0.20	0.20	9913960
Toluene	ug/L	320	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
1,1,1-Trichloroethane	ug/L	23	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
1,1,2-Trichloroethane	ug/L	0.5	<0.50	<0.50	0.50	9913854	<0.40	0.40	9913960
Trichloroethylene	ug/L	0.5	**5.7**	**23**	0.20	9913854	<0.20	0.20	9913960
Trichlorofluoromethane (FREON 11)	ug/L	2000	<0.50	<0.50	0.50	9913854	<0.50	0.50	9913960
Vinyl Chloride	ug/L	0.5	**95**	<0.20	0.20	9913854	<0.20	0.20	9913960
p+m-Xylene	ug/L	-	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
o-Xylene	ug/L	-	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
Total Xylenes	ug/L	72	<0.20	<0.20	0.20	9913854	<0.20	0.20	9913960
F1 (C6-C10)	ug/L	420	<25	<25	25	9913854			
F1 (C6-C10) - BTEX	ug/L	420	<25	<25	25	9913854			
Surrogate Recovery (%)									
4-Bromofluorobenzene	%	-	97	97		9913854			
D4-1,2-Dichloroethane	%	-	114	121		9913854			
D8-Toluene	%	-	85	84		9913854			
4-Bromofluorobenzene	%	-					87		9913960
D4-1,2-Dichloroethane	%	-					112		9913960
D8-Toluene	%	-					99		9913960

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID			AQAV50		AQAV51		AQAV52		
Sampling Date			2025/04/16 15:00		2025/04/17 08:30		2025/04/17 10:30		
COC Number			C#969278-03-01		C#969278-03-01		C#969278-03-01		
	UNITS	Criteria	MW25-2A	QC Batch	MW25-2B	QC Batch	MW25-1A	RDL	QC Batch
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/L	150	<90	9914332	<90	9915515	<90	90	9914332
F3 (C16-C34 Hydrocarbons)	ug/L	500	<200	9914332	<200	9915515	<200	200	9914332
F4 (C34-C50 Hydrocarbons)	ug/L	500	<200	9914332	<200	9915515	<200	200	9914332
Reached Baseline at C50	ug/L	-	Yes	9914332	Yes	9915515	Yes		9914332
Surrogate Recovery (%)									
o-Terphenyl	%	-	93	9914332	93	9915515	93		9914332

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Non-Potable Ground Water - All Types of Property Use - Medium and Fine Textured Soil

Bureau Veritas ID			AQAV53		AQAV54		AQAV55		
Sampling Date			2025/04/17 12:00		2025/04/17 13:30		2025/04/16		
COC Number			C#969278-03-01		C#969278-03-01		C#969278-03-01		
	UNITS	Criteria	MW25-4A	QC Batch	MW25-5	QC Batch	DUP 250416	RDL	QC Batch
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/L	150	<90	9914332	<90	9915515	<90	90	9916104
F3 (C16-C34 Hydrocarbons)	ug/L	500	<200	9914332	<200	9915515	<200	200	9916104
F4 (C34-C50 Hydrocarbons)	ug/L	500	<200	9914332	<200	9915515	<200	200	9916104
Reached Baseline at C50	ug/L	-	Yes	9914332	Yes	9915515	Yes		9916104
Surrogate Recovery (%)									
o-Terphenyl	%	-	88	9914332	88	9915515	99		9916104

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Non-Potable Ground Water - All Types of Property Use - Medium and Fine Textured Soil

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

TEST SUMMARY

Bureau Veritas ID: AQAV50
Sample ID: MW25-2A
Matrix: Water

Collected: 2025/04/16
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9914332	2025/04/23	2025/04/23	(Kent) Maolin Li
Mercury	CV/AA	9914974	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9914328	2025/04/23	2025/04/23	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV50 Dup
Sample ID: MW25-2A
Matrix: Water

Collected: 2025/04/16
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur

Bureau Veritas ID: AQAV51
Sample ID: MW25-2B
Matrix: Water

Collected: 2025/04/17
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9915515	2025/04/24	2025/04/24	Dennis Ngondu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV52
Sample ID: MW25-1A
Matrix: Water

Collected: 2025/04/17
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9914332	2025/04/23	2025/04/23	(Kent) Maolin Li
Mercury	CV/AA	9914836	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9914328	2025/04/23	2025/04/23	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TEST SUMMARY

Bureau Veritas ID: AQAV53 **Collected:** 2025/04/17
Sample ID: MW25-4A **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9914332	2025/04/23	2025/04/23	(Kent) Maolin Li
Mercury	CV/AA	9914836	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9914328	2025/04/23	2025/04/23	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV54 **Collected:** 2025/04/17
Sample ID: MW25-5 **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9915515	2025/04/24	2025/04/24	Dennis Ngondu
Mercury	CV/AA	9914974	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV54 Dup **Collected:** 2025/04/17
Sample ID: MW25-5 **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli

Bureau Veritas ID: AQAV55 **Collected:** 2025/04/16
Sample ID: DUP 250416 **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/25	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9916104	2025/04/25	2025/04/25	Anna Stuglik-Rolland
Mercury	CV/AA	9914974	2025/04/23	2025/04/24	Maitri PATIL

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

TEST SUMMARY

Bureau Veritas ID: AQAV55
Sample ID: DUP 250416
Matrix: Water

Collected: 2025/04/16
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9916094	2025/04/25	2025/04/25	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV56
Sample ID: TRIP BLANK
Matrix: Water

Collected: 2025/04/17
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	9913960	N/A	2025/04/24	Gabriella Morrone

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	11.0°C
Package 2	11.0°C

Revised Report [2025/04/28]: Regulatory criteria added to report per client request.

Hexavalent Chromium: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913854	4-Bromofluorobenzene	2025/04/23	105	70 - 130	104	70 - 130	99	%		
9913854	D4-1,2-Dichloroethane	2025/04/23	122	70 - 130	110	70 - 130	107	%		
9913854	D8-Toluene	2025/04/23	103	70 - 130	106	70 - 130	89	%		
9913960	4-Bromofluorobenzene	2025/04/23	94	70 - 130	91	70 - 130	89	%		
9913960	D4-1,2-Dichloroethane	2025/04/23	113	70 - 130	109	70 - 130	111	%		
9913960	D8-Toluene	2025/04/23	103	70 - 130	107	70 - 130	101	%		
9914328	D10-Anthracene	2025/04/23	109	50 - 130	111	50 - 130	118	%		
9914328	D14-Terphenyl (FS)	2025/04/23	122	50 - 130	122	50 - 130	122	%		
9914328	D8-Acenaphthylene	2025/04/23	97	50 - 130	97	50 - 130	95	%		
9914332	o-Terphenyl	2025/04/23	97	60 - 140	96	60 - 140	93	%		
9915515	o-Terphenyl	2025/04/24	93	60 - 140	90	60 - 140	94	%		
9916094	D10-Anthracene	2025/04/25	109	50 - 130	106	50 - 130	103	%		
9916094	D14-Terphenyl (FS)	2025/04/25	113	50 - 130	112	50 - 130	104	%		
9916094	D8-Acenaphthylene	2025/04/25	116	50 - 130	112	50 - 130	106	%		
9916104	o-Terphenyl	2025/04/25	105	60 - 140	105	60 - 140	103	%		
9912669	WAD Cyanide (Free)	2025/04/21	94	80 - 120	101	80 - 120	<1	ug/L	NC	20
9913854	1,1,1,2-Tetrachloroethane	2025/04/23	119	70 - 130	113	70 - 130	<0.50	ug/L	NC	30
9913854	1,1,1-Trichloroethane	2025/04/23	105	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	1,1,2,2-Tetrachloroethane	2025/04/23	113	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
9913854	1,1,2-Trichloroethane	2025/04/23	111	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
9913854	1,1-Dichloroethane	2025/04/23	104	70 - 130	100	70 - 130	<0.20	ug/L	NC	30
9913854	1,1-Dichloroethylene	2025/04/23	102	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
9913854	1,2-Dichlorobenzene	2025/04/23	107	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
9913854	1,2-Dichloroethane	2025/04/23	121	70 - 130	108	70 - 130	<0.50	ug/L	NC	30
9913854	1,2-Dichloropropane	2025/04/23	106	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913854	1,3-Dichlorobenzene	2025/04/23	102	70 - 130	104	70 - 130	<0.50	ug/L	NC	30
9913854	1,4-Dichlorobenzene	2025/04/23	106	70 - 130	110	70 - 130	<0.50	ug/L	NC	30
9913854	Acetone (2-Propanone)	2025/04/23	117	60 - 140	100	60 - 140	<10	ug/L	NC	30
9913854	Benzene	2025/04/23	101	70 - 130	99	70 - 130	<0.17	ug/L	NC	30
9913854	Bromodichloromethane	2025/04/23	113	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
9913854	Bromoform	2025/04/23	122	70 - 130	106	70 - 130	<1.0	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913854	Bromomethane	2025/04/23	122	60 - 140	113	60 - 140	<0.50	ug/L	NC	30
9913854	Carbon Tetrachloride	2025/04/23	114	70 - 130	113	70 - 130	<0.20	ug/L	NC	30
9913854	Chlorobenzene	2025/04/23	94	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
9913854	Chloroform	2025/04/23	113	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	cis-1,2-Dichloroethylene	2025/04/23	113	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9913854	cis-1,3-Dichloropropene	2025/04/23	100	70 - 130	94	70 - 130	<0.30	ug/L	NC	30
9913854	Dibromochloromethane	2025/04/23	118	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9913854	Dichlorodifluoromethane (FREON 12)	2025/04/23	120	60 - 140	122	60 - 140	<1.0	ug/L	NC	30
9913854	Ethylbenzene	2025/04/23	90	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913854	Ethylene Dibromide	2025/04/23	112	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913854	F1 (C6-C10) - BTEX	2025/04/23					<25	ug/L	NC	30
9913854	F1 (C6-C10)	2025/04/23	95	60 - 140	95	60 - 140	<25	ug/L	NC	30
9913854	Hexane	2025/04/23	119	70 - 130	125	70 - 130	<1.0	ug/L	NC	30
9913854	Methyl Ethyl Ketone (2-Butanone)	2025/04/23	112	60 - 140	97	60 - 140	<10	ug/L	NC	30
9913854	Methyl Isobutyl Ketone	2025/04/23	113	70 - 130	101	70 - 130	<5.0	ug/L	NC	30
9913854	Methyl t-butyl ether (MTBE)	2025/04/23	101	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
9913854	Methylene Chloride(Dichloromethane)	2025/04/23	114	70 - 130	102	70 - 130	<2.0	ug/L	NC	30
9913854	o-Xylene	2025/04/23	99	70 - 130	108	70 - 130	<0.20	ug/L	NC	30
9913854	p+m-Xylene	2025/04/23	89	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
9913854	Styrene	2025/04/23	79	70 - 130	83	70 - 130	<0.50	ug/L	NC	30
9913854	Tetrachloroethylene	2025/04/23	104	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	Toluene	2025/04/23	101	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
9913854	Total Xylenes	2025/04/23					<0.20	ug/L	NC	30
9913854	trans-1,2-Dichloroethylene	2025/04/23	113	70 - 130	109	70 - 130	<0.50	ug/L	NC	30
9913854	trans-1,3-Dichloropropene	2025/04/23	118	70 - 130	110	70 - 130	<0.40	ug/L	NC	30
9913854	Trichloroethylene	2025/04/23	107	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	Trichlorofluoromethane (FREON 11)	2025/04/23	112	70 - 130	111	70 - 130	<0.50	ug/L	NC	30
9913854	Vinyl Chloride	2025/04/23	117	70 - 130	115	70 - 130	<0.20	ug/L	NC	30
9913960	1,1,1,2-Tetrachloroethane	2025/04/23	111	70 - 130	109	70 - 130	<0.50	ug/L	NC	30
9913960	1,1,1-Trichloroethane	2025/04/23	101	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913960	1,1,2,2-Tetrachloroethane	2025/04/23	113	70 - 130	104	70 - 130	<0.40	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913960	1,1,2-Trichloroethane	2025/04/23	118	70 - 130	114	70 - 130	<0.40	ug/L	NC	30
9913960	1,1-Dichloroethane	2025/04/23	109	70 - 130	107	70 - 130	<0.20	ug/L	NC	30
9913960	1,1-Dichloroethylene	2025/04/23	112	70 - 130	111	70 - 130	<0.20	ug/L	NC	30
9913960	1,2-Dichlorobenzene	2025/04/23	105	70 - 130	104	70 - 130	<0.40	ug/L	NC	30
9913960	1,2-Dichloroethane	2025/04/23	119	70 - 130	113	70 - 130	<0.49	ug/L	NC	30
9913960	1,2-Dichloropropane	2025/04/23	113	70 - 130	109	70 - 130	<0.20	ug/L	NC	30
9913960	1,3-Dichlorobenzene	2025/04/23	101	70 - 130	102	70 - 130	<0.40	ug/L	NC	30
9913960	1,4-Dichlorobenzene	2025/04/23	99	70 - 130	101	70 - 130	<0.40	ug/L	NC	30
9913960	Acetone (2-Propanone)	2025/04/23	122	60 - 140	116	60 - 140	<10	ug/L	NC	30
9913960	Benzene	2025/04/23	110	70 - 130	107	70 - 130	<0.20	ug/L	1.3	30
9913960	Bromodichloromethane	2025/04/23	108	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
9913960	Bromoform	2025/04/23	106	70 - 130	99	70 - 130	<1.0	ug/L	NC	30
9913960	Bromomethane	2025/04/23	116	60 - 140	113	60 - 140	<0.50	ug/L	NC	30
9913960	Carbon Tetrachloride	2025/04/23	108	70 - 130	105	70 - 130	<0.19	ug/L	NC	30
9913960	Chlorobenzene	2025/04/23	97	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9913960	Chloroform	2025/04/23	108	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913960	cis-1,2-Dichloroethylene	2025/04/23	110	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
9913960	cis-1,3-Dichloropropene	2025/04/23	95	70 - 130	92	70 - 130	<0.30	ug/L	NC	30
9913960	Dibromochloromethane	2025/04/23	108	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9913960	Dichlorodifluoromethane (FREON 12)	2025/04/23	129	60 - 140	128	60 - 140	<1.0	ug/L	NC	30
9913960	Ethylbenzene	2025/04/23	97	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
9913960	Ethylene Dibromide	2025/04/23	108	70 - 130	104	70 - 130	<0.19	ug/L	NC	30
9913960	Hexane	2025/04/23	128	70 - 130	126	70 - 130	<1.0	ug/L	NC	30
9913960	Methyl Ethyl Ketone (2-Butanone)	2025/04/23	122	60 - 140	115	60 - 140	<10	ug/L	NC	30
9913960	Methyl Isobutyl Ketone	2025/04/23	106	70 - 130	97	70 - 130	<5.0	ug/L	NC	30
9913960	Methyl t-butyl ether (MTBE)	2025/04/23	97	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
9913960	Methylene Chloride(Dichloromethane)	2025/04/23	112	70 - 130	108	70 - 130	<2.0	ug/L	NC	30
9913960	o-Xylene	2025/04/23	104	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913960	p+m-Xylene	2025/04/23	92	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
9913960	Styrene	2025/04/23	94	70 - 130	94	70 - 130	<0.40	ug/L	NC	30
9913960	Tetrachloroethylene	2025/04/23	94	70 - 130	94	70 - 130	<0.20	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913960	Toluene	2025/04/23	105	70 - 130	106	70 - 130	<0.20	ug/L	NC	30
9913960	Total Xylenes	2025/04/23					<0.20	ug/L	NC	30
9913960	trans-1,2-Dichloroethylene	2025/04/23	109	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
9913960	trans-1,3-Dichloropropene	2025/04/23	109	70 - 130	110	70 - 130	<0.40	ug/L	NC	30
9913960	Trichloroethylene	2025/04/23	101	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
9913960	Trichlorofluoromethane (FREON 11)	2025/04/23	112	70 - 130	109	70 - 130	<0.50	ug/L	NC	30
9913960	Vinyl Chloride	2025/04/23	131 (1)	70 - 130	129	70 - 130	<0.20	ug/L	NC	30
9913991	Dissolved Antimony (Sb)	2025/04/24	103	80 - 120	101	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Arsenic (As)	2025/04/24	103	80 - 120	98	80 - 120	<1.0	ug/L	NC	20
9913991	Dissolved Barium (Ba)	2025/04/24	99	80 - 120	99	80 - 120	<2.0	ug/L	1.0	20
9913991	Dissolved Beryllium (Be)	2025/04/24	100	80 - 120	99	80 - 120	<0.40	ug/L	NC	20
9913991	Dissolved Boron (B)	2025/04/24	98	80 - 120	98	80 - 120	<10	ug/L	0.043	20
9913991	Dissolved Cadmium (Cd)	2025/04/24	94	80 - 120	97	80 - 120	<0.090	ug/L	NC	20
9913991	Dissolved Chromium (Cr)	2025/04/24	101	80 - 120	96	80 - 120	<5.0	ug/L	NC	20
9913991	Dissolved Cobalt (Co)	2025/04/24	96	80 - 120	94	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Copper (Cu)	2025/04/24	98	80 - 120	97	80 - 120	<0.90	ug/L	NC	20
9913991	Dissolved Lead (Pb)	2025/04/24	86	80 - 120	94	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Molybdenum (Mo)	2025/04/24	108	80 - 120	97	80 - 120	<0.50	ug/L	3.4	20
9913991	Dissolved Nickel (Ni)	2025/04/24	92	80 - 120	93	80 - 120	<1.0	ug/L	NC	20
9913991	Dissolved Selenium (Se)	2025/04/24	97	80 - 120	100	80 - 120	<2.0	ug/L	NC	20
9913991	Dissolved Silver (Ag)	2025/04/24	89	80 - 120	94	80 - 120	<0.090	ug/L	NC	20
9913991	Dissolved Sodium (Na)	2025/04/24	NC	80 - 120	95	80 - 120	<100	ug/L	0.73	20
9913991	Dissolved Thallium (Tl)	2025/04/24	90	80 - 120	97	80 - 120	<0.050	ug/L	NC	20
9913991	Dissolved Uranium (U)	2025/04/24	94	80 - 120	95	80 - 120	<0.10	ug/L	6.4	20
9913991	Dissolved Vanadium (V)	2025/04/24	105	80 - 120	96	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Zinc (Zn)	2025/04/24	88	80 - 120	96	80 - 120	<5.0	ug/L	NC	20
9914153	Chromium (VI)	2025/04/23	101	80 - 120	103	80 - 120	<0.50	ug/L	NC	20
9914237	Dissolved Chloride (Cl-)	2025/04/23	NC	80 - 120	97	80 - 120	<1.0	mg/L	1.0	20
9914328	1-Methylnaphthalene	2025/04/23	75	50 - 130	76	50 - 130	<0.050	ug/L	5.2	30
9914328	2-Methylnaphthalene	2025/04/23	72	50 - 130	73	50 - 130	<0.050	ug/L	0.26	30
9914328	Acenaphthene	2025/04/23	84	50 - 130	88	50 - 130	<0.050	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9914328	Acenaphthylene	2025/04/23	84	50 - 130	87	50 - 130	<0.050	ug/L	NC	30
9914328	Anthracene	2025/04/23	114	50 - 130	113	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(a)anthracene	2025/04/23	101	50 - 130	101	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(a)pyrene	2025/04/23	97	50 - 130	98	50 - 130	<0.0090	ug/L	NC	30
9914328	Benzo(b/j)fluoranthene	2025/04/23	105	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(g,h,i)perylene	2025/04/23	106	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(k)fluoranthene	2025/04/23	100	50 - 130	100	50 - 130	<0.050	ug/L	NC	30
9914328	Chrysene	2025/04/23	105	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
9914328	Dibenzo(a,h)anthracene	2025/04/23	98	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
9914328	Fluoranthene	2025/04/23	115	50 - 130	114	50 - 130	<0.050	ug/L	NC	30
9914328	Fluorene	2025/04/23	97	50 - 130	97	50 - 130	<0.050	ug/L	NC	30
9914328	Indeno(1,2,3-cd)pyrene	2025/04/23	112	50 - 130	112	50 - 130	<0.050	ug/L	NC	30
9914328	Naphthalene	2025/04/23	72	50 - 130	74	50 - 130	<0.050	ug/L	NC	30
9914328	Phenanthrene	2025/04/23	102	50 - 130	102	50 - 130	<0.030	ug/L	NC	30
9914328	Pyrene	2025/04/23	116	50 - 130	115	50 - 130	<0.050	ug/L	NC	30
9914332	F2 (C10-C16 Hydrocarbons)	2025/04/23	95	60 - 140	93	60 - 140	<90	ug/L	NC	30
9914332	F3 (C16-C34 Hydrocarbons)	2025/04/23	103	60 - 140	102	60 - 140	<200	ug/L	NC	30
9914332	F4 (C34-C50 Hydrocarbons)	2025/04/23	91	60 - 140	92	60 - 140	<200	ug/L	NC	30
9914836	Mercury (Hg)	2025/04/24	96	75 - 125	97	80 - 120	<0.10	ug/L	NC	20
9914974	Mercury (Hg)	2025/04/24	98	75 - 125	98	80 - 120	<0.10	ug/L	NC	20
9915515	F2 (C10-C16 Hydrocarbons)	2025/04/24	119	60 - 140	97	60 - 140	<90	ug/L	21	30
9915515	F3 (C16-C34 Hydrocarbons)	2025/04/24	130	60 - 140	106	60 - 140	<200	ug/L	9.9	30
9915515	F4 (C34-C50 Hydrocarbons)	2025/04/24	126	60 - 140	103	60 - 140	<200	ug/L	8.7	30
9916094	1-Methylnaphthalene	2025/04/25	83	50 - 130	75	50 - 130	<0.050	ug/L	NC	30
9916094	2-Methylnaphthalene	2025/04/25	82	50 - 130	73	50 - 130	<0.050	ug/L	NC	30
9916094	Acenaphthene	2025/04/25	102	50 - 130	93	50 - 130	<0.050	ug/L	NC	30
9916094	Acenaphthylene	2025/04/25	103	50 - 130	96	50 - 130	<0.050	ug/L	NC	30
9916094	Anthracene	2025/04/25	119	50 - 130	116	50 - 130	<0.050	ug/L	NC	30
9916094	Benzo(a)anthracene	2025/04/25	123	50 - 130	120	50 - 130	<0.050	ug/L	NC	30
9916094	Benzo(a)pyrene	2025/04/25	121	50 - 130	118	50 - 130	<0.0090	ug/L	NC	30
9916094	Benzo(b/j)fluoranthene	2025/04/25	118	50 - 130	116	50 - 130	<0.050	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9916094	Benzo(g,h,i)perylene	2025/04/25	107	50 - 130	103	50 - 130	<0.050	ug/L	NC	30
9916094	Benzo(k)fluoranthene	2025/04/25	121	50 - 130	120	50 - 130	<0.050	ug/L	NC	30
9916094	Chrysene	2025/04/25	118	50 - 130	118	50 - 130	<0.050	ug/L	NC	30
9916094	Dibenzo(a,h)anthracene	2025/04/25	101	50 - 130	102	50 - 130	<0.050	ug/L	NC	30
9916094	Fluoranthene	2025/04/25	124	50 - 130	121	50 - 130	<0.050	ug/L	NC	30
9916094	Fluorene	2025/04/25	110	50 - 130	104	50 - 130	<0.050	ug/L	NC	30
9916094	Indeno(1,2,3-cd)pyrene	2025/04/25	109	50 - 130	108	50 - 130	<0.050	ug/L	NC	30
9916094	Naphthalene	2025/04/25	78	50 - 130	74	50 - 130	<0.050	ug/L	NC	30
9916094	Phenanthrene	2025/04/25	112	50 - 130	110	50 - 130	<0.030	ug/L	NC	30
9916094	Pyrene	2025/04/25	124	50 - 130	121	50 - 130	<0.050	ug/L	NC	30
9916104	F2 (C10-C16 Hydrocarbons)	2025/04/25	100	60 - 140	101	60 - 140	<90	ug/L	NC	30
9916104	F3 (C16-C34 Hydrocarbons)	2025/04/25	110	60 - 140	113	60 - 140	<200	ug/L	NC	30
9916104	F4 (C34-C50 Hydrocarbons)	2025/04/25	99	60 - 140	102	60 - 140	<200	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE. NORTH
Sampler Initials: ZB

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Your Project #: 02103035.000
Site Location: 424 CHURCHILL
Your C.O.C. #: C#1042183-01-01

Attention: Aqsa Gatchalian

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/29
Report #: R8528865
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C545404
Received: 2025/04/23, 16:10

Sample Matrix: Ground Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	2	N/A	2025/04/28	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum (1)	3	N/A	2025/04/29		EPA 8260C m
Chloride by Automated Colourimetry (1)	1	N/A	2025/04/29	CAM SOP-00463	SM 24 4500-Cl E m
Chromium (VI) in Water (1)	1	N/A	2025/04/25	CAM SOP-00436	EPA 7199 m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	2	2025/04/27	2025/04/27	CAM SOP-00316	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	1	2025/04/28	2025/04/28	CAM SOP-00316	CCME PHC-CWS m
Mercury (1)	1	2025/04/28	2025/04/28	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS (1)	1	N/A	2025/04/29	CAM SOP-00447	EPA 6020B m
PAH Compounds in Water by GC/MS (SIM) (1)	2	2025/04/27	2025/04/27	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs (1)	3	N/A	2025/04/29	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 02103035.000
Site Location: 424 CHURCHILL
Your C.O.C. #: C#1042183-01-01

Attention: Aqsa Gatchalian

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/29
Report #: R8528865
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C545404
Received: 2025/04/23, 16:10

(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

==========

This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C545404
Report Date: 2025/04/29

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL
Sampler Initials: ZB

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID		AQEP98			AQEP98		
Sampling Date		2025/04/23 12:00			2025/04/23 12:00		
COC Number		C#1042183-01-01			C#1042183-01-01		
	UNITS	MW25-3	RDL	QC Batch	MW25-3 Lab-Dup	RDL	QC Batch
Inorganics							
Dissolved Chloride (Cl-)	mg/L	1100	20	9916797			
Metals							
Chromium (VI)	ug/L	<0.50	0.50	9916780			
Mercury (Hg)	ug/L	<0.10	0.10	9917527			
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	9916335	<0.50	0.50	9916335
Dissolved Arsenic (As)	ug/L	<1.0	1.0	9916335	<1.0	1.0	9916335
Dissolved Barium (Ba)	ug/L	160	2.0	9916335	160	2.0	9916335
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	9916335	<0.40	0.40	9916335
Dissolved Boron (B)	ug/L	1000	10	9916335	1000	10	9916335
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	9916335	<0.090	0.090	9916335
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	9916335	<5.0	5.0	9916335
Dissolved Cobalt (Co)	ug/L	1.9	0.50	9916335	2.0	0.50	9916335
Dissolved Copper (Cu)	ug/L	1.1	0.90	9916335	1.1	0.90	9916335
Dissolved Lead (Pb)	ug/L	<0.50	0.50	9916335	<0.50	0.50	9916335
Dissolved Molybdenum (Mo)	ug/L	6.8	0.50	9916335	6.7	0.50	9916335
Dissolved Nickel (Ni)	ug/L	11	1.0	9916335	10	1.0	9916335
Dissolved Selenium (Se)	ug/L	<2.0	2.0	9916335	<2.0	2.0	9916335
Dissolved Silver (Ag)	ug/L	<0.090	0.090	9916335	<0.090	0.090	9916335
Dissolved Sodium (Na)	ug/L	700000	500	9916335	680000	500	9916335
Dissolved Thallium (Tl)	ug/L	0.56	0.050	9916335	0.54	0.050	9916335
Dissolved Uranium (U)	ug/L	1.8	0.10	9916335	1.8	0.10	9916335
Dissolved Vanadium (V)	ug/L	<0.50	0.50	9916335	<0.50	0.50	9916335
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	9916335	<5.0	5.0	9916335

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

O.REG 153 PAHS (GROUND WATER)

Bureau Veritas ID		AQEP96	AQEP98		
Sampling Date		2025/04/21 14:00	2025/04/23 12:00		
COC Number		C#1042183-01-01	C#1042183-01-01		
	UNITS	MW25-1B	MW25-3	RDL	QC Batch
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/L	<0.071	<0.071	0.071	9915655
Polyaromatic Hydrocarbons					
Acenaphthene	ug/L	<0.050	<0.050	0.050	9917174
Acenaphthylene	ug/L	<0.050	<0.050	0.050	9917174
Anthracene	ug/L	<0.050	<0.050	0.050	9917174
Benzo(a)anthracene	ug/L	<0.050	<0.050	0.050	9917174
Benzo(a)pyrene	ug/L	<0.0090	<0.0090	0.0090	9917174
Benzo(b/j)fluoranthene	ug/L	<0.050	<0.050	0.050	9917174
Benzo(g,h,i)perylene	ug/L	<0.050	<0.050	0.050	9917174
Benzo(k)fluoranthene	ug/L	<0.050	<0.050	0.050	9917174
Chrysene	ug/L	<0.050	<0.050	0.050	9917174
Dibenzo(a,h)anthracene	ug/L	<0.050	<0.050	0.050	9917174
Fluoranthene	ug/L	<0.050	<0.050	0.050	9917174
Fluorene	ug/L	<0.050	<0.050	0.050	9917174
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	<0.050	0.050	9917174
1-Methylnaphthalene	ug/L	<0.050	<0.050	0.050	9917174
2-Methylnaphthalene	ug/L	<0.050	<0.050	0.050	9917174
Naphthalene	ug/L	<0.050	<0.050	0.050	9917174
Phenanthrene	ug/L	<0.030	<0.030	0.030	9917174
Pyrene	ug/L	<0.050	<0.050	0.050	9917174
Surrogate Recovery (%)					
D10-Anthracene	%	91	90		9917174
D14-Terphenyl (FS)	%	85	75		9917174
D8-Acenaphthylene	%	106	106		9917174

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C545404
Report Date: 2025/04/29

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL
Sampler Initials: ZB

O.REG 153 VOCS BY HS & F1-F4 (GROUND WATER)

Bureau Veritas ID		AQEP96		AQEP97		AQEP98		
Sampling Date		2025/04/21 14:00		2025/04/21 16:30		2025/04/23 12:00		
COC Number		C#1042183-01-01		C#1042183-01-01		C#1042183-01-01		
	UNITS	MW25-1B	QC Batch	MW25-4B	QC Batch	MW25-3	RDL	QC Batch
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	9915443	<0.50	9915443	<0.50	0.50	9915443
Volatile Organics								
Acetone (2-Propanone)	ug/L	<10	9916501	<10	9916501	<10	10	9916501
Benzene	ug/L	<0.17	9916501	0.65	9916501	<0.17	0.17	9916501
Bromodichloromethane	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
Bromoform	ug/L	<1.0	9916501	<1.0	9916501	<1.0	1.0	9916501
Bromomethane	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
Carbon Tetrachloride	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
Chlorobenzene	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
Chloroform	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
Dibromochloromethane	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
1,2-Dichlorobenzene	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
1,3-Dichlorobenzene	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
1,4-Dichlorobenzene	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	9916501	<1.0	9916501	<1.0	1.0	9916501
1,1-Dichloroethane	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
1,2-Dichloroethane	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
1,1-Dichloroethylene	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
cis-1,2-Dichloroethylene	ug/L	50	9916501	24	9916501	<0.50	0.50	9916501
trans-1,2-Dichloroethylene	ug/L	0.93	9916501	<0.50	9916501	<0.50	0.50	9916501
1,2-Dichloropropane	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
cis-1,3-Dichloropropene	ug/L	<0.30	9916501	<0.30	9916501	<0.30	0.30	9916501
trans-1,3-Dichloropropene	ug/L	<0.40	9916501	<0.40	9916501	<0.40	0.40	9916501
Ethylbenzene	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
Ethylene Dibromide	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
Hexane	ug/L	<1.0	9916501	<1.0	9916501	<1.0	1.0	9916501
Methylene Chloride(Dichloromethane)	ug/L	<2.0	9916501	<2.0	9916501	<2.0	2.0	9916501
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	9916501	<10	9916501	<10	10	9916501
Methyl Isobutyl Ketone	ug/L	<5.0	9916501	<5.0	9916501	<5.0	5.0	9916501
Methyl t-butyl ether (MTBE)	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
Styrene	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C545404
Report Date: 2025/04/29

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL
Sampler Initials: ZB

O.REG 153 VOCS BY HS & F1-F4 (GROUND WATER)

Bureau Veritas ID		AQEP96		AQEP97		AQEP98		
Sampling Date		2025/04/21 14:00		2025/04/21 16:30		2025/04/23 12:00		
COC Number		C#1042183-01-01		C#1042183-01-01		C#1042183-01-01		
	UNITS	MW25-1B	QC Batch	MW25-4B	QC Batch	MW25-3	RDL	QC Batch
1,1,1,2-Tetrachloroethane	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
1,1,2,2-Tetrachloroethane	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
Tetrachloroethylene	ug/L	2.2	9916501	<0.20	9916501	0.23	0.20	9916501
Toluene	ug/L	<0.20	9916501	0.25	9916501	<0.20	0.20	9916501
1,1,1-Trichloroethane	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
1,1,2-Trichloroethane	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
Trichloroethylene	ug/L	4.9	9916501	0.47	9916501	<0.20	0.20	9916501
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	9916501	<0.50	9916501	<0.50	0.50	9916501
Vinyl Chloride	ug/L	0.70	9916501	5.0	9916501	<0.20	0.20	9916501
p+m-Xylene	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
o-Xylene	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
Total Xylenes	ug/L	<0.20	9916501	<0.20	9916501	<0.20	0.20	9916501
F1 (C6-C10)	ug/L	<25	9916501	<25	9916501	<25	25	9916501
F1 (C6-C10) - BTEX	ug/L	<25	9916501	<25	9916501	<25	25	9916501
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	<90	9917175	<90	9917232	<90	90	9917175
F3 (C16-C34 Hydrocarbons)	ug/L	<200	9917175	<200	9917232	<200	200	9917175
F4 (C34-C50 Hydrocarbons)	ug/L	<200	9917175	<200	9917232	<200	200	9917175
Reached Baseline at C50	ug/L	Yes	9917175	Yes	9917232	Yes		9917175
Surrogate Recovery (%)								
o-Terphenyl	%	95	9917175	99	9917232	87		9917175
4-Bromofluorobenzene	%	101	9916501	99	9916501	101		9916501
D4-1,2-Dichloroethane	%	103	9916501	98	9916501	103		9916501
D8-Toluene	%	89	9916501	90	9916501	90		9916501

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C545404
Report Date: 2025/04/29

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL
Sampler Initials: ZB

TEST SUMMARY

Bureau Veritas ID: AQEP96 **Collected:** 2025/04/21
Sample ID: MW25-1B **Shipped:**
Matrix: Ground Water **Received:** 2025/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9915655	N/A	2025/04/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	9915443	N/A	2025/04/29	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9917175	2025/04/27	2025/04/27	Agnieszka Brzuzy-Snopko
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9917174	2025/04/27	2025/04/27	Jett Wu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9916501	N/A	2025/04/29	Xueming Jiang

Bureau Veritas ID: AQEP97 **Collected:** 2025/04/21
Sample ID: MW25-4B **Shipped:**
Matrix: Ground Water **Received:** 2025/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9915443	N/A	2025/04/29	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9917232	2025/04/28	2025/04/28	Anna Stuglik-Rolland
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9916501	N/A	2025/04/29	Xueming Jiang

Bureau Veritas ID: AQEP98 **Collected:** 2025/04/23
Sample ID: MW25-3 **Shipped:**
Matrix: Ground Water **Received:** 2025/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9915655	N/A	2025/04/28	Automated Statchk
1,3-Dichloropropene Sum	CALC	9915443	N/A	2025/04/29	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9916797	N/A	2025/04/29	Alina Dobreanu
Chromium (VI) in Water	IC	9916780	N/A	2025/04/25	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9917175	2025/04/27	2025/04/27	Agnieszka Brzuzy-Snopko
Mercury	CV/AA	9917527	2025/04/28	2025/04/28	Aswathy Neduveli Suresh
Dissolved Metals by ICPMS	ICP/MS	9916335	N/A	2025/04/29	Prempal Bhatti
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9917174	2025/04/27	2025/04/27	Jett Wu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9916501	N/A	2025/04/29	Xueming Jiang

Bureau Veritas ID: AQEP98 Dup **Collected:** 2025/04/23
Sample ID: MW25-3 **Shipped:**
Matrix: Ground Water **Received:** 2025/04/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9916335	N/A	2025/04/29	Prempal Bhatti

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	6.0°C

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C545404
Report Date: 2025/04/29

QUALITY ASSURANCE REPORT

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL
Sampler Initials: ZB

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9916501	4-Bromofluorobenzene	2025/04/29	107	70 - 130	101	70 - 130	103	%		
9916501	D4-1,2-Dichloroethane	2025/04/29	81	70 - 130	95	70 - 130	98	%		
9916501	D8-Toluene	2025/04/29	107	70 - 130	102	70 - 130	91	%		
9917174	D10-Anthracene	2025/04/27	91	50 - 130	94	50 - 130	92	%		
9917174	D14-Terphenyl (FS)	2025/04/27	93	50 - 130	99	50 - 130	97	%		
9917174	D8-Acenaphthylene	2025/04/27	111	50 - 130	113	50 - 130	107	%		
9917175	o-Terphenyl	2025/04/27	99	60 - 140	105	60 - 140	105	%		
9917232	o-Terphenyl	2025/04/28	106	60 - 140	108	60 - 140	109	%		
9916335	Dissolved Antimony (Sb)	2025/04/29	112	80 - 120	99	80 - 120	<0.50	ug/L	NC	20
9916335	Dissolved Arsenic (As)	2025/04/29	115	80 - 120	101	80 - 120	<1.0	ug/L	NC	20
9916335	Dissolved Barium (Ba)	2025/04/29	81	80 - 120	100	80 - 120	<2.0	ug/L	0.85	20
9916335	Dissolved Beryllium (Be)	2025/04/29	107	80 - 120	96	80 - 120	<0.40	ug/L	NC	20
9916335	Dissolved Boron (B)	2025/04/29	NC	80 - 120	95	80 - 120	<10	ug/L	1.5	20
9916335	Dissolved Cadmium (Cd)	2025/04/29	112	80 - 120	99	80 - 120	<0.090	ug/L	NC	20
9916335	Dissolved Chromium (Cr)	2025/04/29	116	80 - 120	102	80 - 120	<5.0	ug/L	NC	20
9916335	Dissolved Cobalt (Co)	2025/04/29	114	80 - 120	101	80 - 120	<0.50	ug/L	2.9	20
9916335	Dissolved Copper (Cu)	2025/04/29	115	80 - 120	101	80 - 120	<0.90	ug/L	2.2	20
9916335	Dissolved Lead (Pb)	2025/04/29	112	80 - 120	99	80 - 120	<0.50	ug/L	NC	20
9916335	Dissolved Molybdenum (Mo)	2025/04/29	111	80 - 120	101	80 - 120	<0.50	ug/L	1.8	20
9916335	Dissolved Nickel (Ni)	2025/04/29	111	80 - 120	99	80 - 120	<1.0	ug/L	1.8	20
9916335	Dissolved Selenium (Se)	2025/04/29	115	80 - 120	105	80 - 120	<2.0	ug/L	NC	20
9916335	Dissolved Silver (Ag)	2025/04/29	109	80 - 120	98	80 - 120	<0.090	ug/L	NC	20
9916335	Dissolved Sodium (Na)	2025/04/29	NC	80 - 120	104	80 - 120	<100	ug/L	2.1	20
9916335	Dissolved Thallium (Tl)	2025/04/29	115	80 - 120	100	80 - 120	<0.050	ug/L	3.1	20
9916335	Dissolved Uranium (U)	2025/04/29	111	80 - 120	100	80 - 120	<0.10	ug/L	1.2	20
9916335	Dissolved Vanadium (V)	2025/04/29	117	80 - 120	102	80 - 120	<0.50	ug/L	NC	20
9916335	Dissolved Zinc (Zn)	2025/04/29	113	80 - 120	101	80 - 120	<5.0	ug/L	NC	20
9916501	1,1,1,2-Tetrachloroethane	2025/04/29	105	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9916501	1,1,1-Trichloroethane	2025/04/29	108	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
9916501	1,1,2,2-Tetrachloroethane	2025/04/29	71	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
9916501	1,1,2-Trichloroethane	2025/04/29	83	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
9916501	1,1-Dichloroethane	2025/04/29	93	70 - 130	94	70 - 130	<0.20	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9916501	1,1-Dichloroethylene	2025/04/29	112	70 - 130	101	70 - 130	<0.20	ug/L	NC	30
9916501	1,2-Dichlorobenzene	2025/04/29	94	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9916501	1,2-Dichloroethane	2025/04/29	88	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
9916501	1,2-Dichloropropane	2025/04/29	87	70 - 130	100	70 - 130	<0.20	ug/L	NC	30
9916501	1,3-Dichlorobenzene	2025/04/29	104	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
9916501	1,4-Dichlorobenzene	2025/04/29	100	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9916501	Acetone (2-Propanone)	2025/04/29	74	60 - 140	105	60 - 140	<10	ug/L	NC	30
9916501	Benzene	2025/04/29	98	70 - 130	101	70 - 130	<0.17	ug/L	NC	30
9916501	Bromodichloromethane	2025/04/29	89	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
9916501	Bromoform	2025/04/29	84	70 - 130	102	70 - 130	<1.0	ug/L	NC	30
9916501	Bromomethane	2025/04/29	92	60 - 140	89	60 - 140	<0.50	ug/L	NC	30
9916501	Carbon Tetrachloride	2025/04/29	121	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9916501	Chlorobenzene	2025/04/29	97	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
9916501	Chloroform	2025/04/29	96	70 - 130	98	70 - 130	<0.20	ug/L	0.95	30
9916501	cis-1,2-Dichloroethylene	2025/04/29	100	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
9916501	cis-1,3-Dichloropropene	2025/04/29	84	70 - 130	90	70 - 130	<0.30	ug/L	NC	30
9916501	Dibromochloromethane	2025/04/29	91	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
9916501	Dichlorodifluoromethane (FREON 12)	2025/04/29	139	60 - 140	124	60 - 140	<1.0	ug/L	NC	30
9916501	Ethylbenzene	2025/04/29	115	70 - 130	106	70 - 130	<0.20	ug/L	NC	30
9916501	Ethylene Dibromide	2025/04/29	80	70 - 130	100	70 - 130	<0.20	ug/L	NC	30
9916501	F1 (C6-C10) - BTEX	2025/04/29					<25	ug/L	NC	30
9916501	F1 (C6-C10)	2025/04/29	72	60 - 140	86	60 - 140	<25	ug/L	NC	30
9916501	Hexane	2025/04/29	119	70 - 130	114	70 - 130	<1.0	ug/L	NC	30
9916501	Methyl Ethyl Ketone (2-Butanone)	2025/04/29	60	60 - 140	93	60 - 140	<10	ug/L	NC	30
9916501	Methyl Isobutyl Ketone	2025/04/29	62 (1)	70 - 130	106	70 - 130	<5.0	ug/L	NC	30
9916501	Methyl t-butyl ether (MTBE)	2025/04/29	89	70 - 130	104	70 - 130	<0.50	ug/L	NC	30
9916501	Methylene Chloride(Dichloromethane)	2025/04/29	87	70 - 130	95	70 - 130	<2.0	ug/L	NC	30
9916501	o-Xylene	2025/04/29	114	70 - 130	112	70 - 130	<0.20	ug/L	NC	30
9916501	p+m-Xylene	2025/04/29	113	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9916501	Styrene	2025/04/29	97	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
9916501	Tetrachloroethylene	2025/04/29	118	70 - 130	97	70 - 130	<0.20	ug/L	14	30
9916501	Toluene	2025/04/29	106	70 - 130	99	70 - 130	<0.20	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9916501	Total Xylenes	2025/04/29					<0.20	ug/L	NC	30
9916501	trans-1,2-Dichloroethylene	2025/04/29	108	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
9916501	trans-1,3-Dichloropropene	2025/04/29	92	70 - 130	97	70 - 130	<0.40	ug/L	NC	30
9916501	Trichloroethylene	2025/04/29	110	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
9916501	Trichlorofluoromethane (FREON 11)	2025/04/29	115	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
9916501	Vinyl Chloride	2025/04/29	109	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
9916780	Chromium (VI)	2025/04/25	102	80 - 120	100	80 - 120	<0.50	ug/L	0.61	20
9916797	Dissolved Chloride (Cl-)	2025/04/29	87	80 - 120	94	80 - 120	<1.0	mg/L	10	20
9917174	1-Methylnaphthalene	2025/04/27	70	50 - 130	67	50 - 130	<0.050	ug/L	NC	30
9917174	2-Methylnaphthalene	2025/04/27	68	50 - 130	64	50 - 130	<0.050	ug/L	NC	30
9917174	Acenaphthene	2025/04/27	85	50 - 130	82	50 - 130	<0.050	ug/L	NC	30
9917174	Acenaphthylene	2025/04/27	89	50 - 130	87	50 - 130	<0.050	ug/L	NC	30
9917174	Anthracene	2025/04/27	95	50 - 130	98	50 - 130	<0.050	ug/L	NC	30
9917174	Benzo(a)anthracene	2025/04/27	97	50 - 130	101	50 - 130	<0.050	ug/L	NC	30
9917174	Benzo(a)pyrene	2025/04/27	94	50 - 130	98	50 - 130	<0.0090	ug/L	NC	30
9917174	Benzo(b/j)fluoranthene	2025/04/27	95	50 - 130	97	50 - 130	<0.050	ug/L	NC	30
9917174	Benzo(g,h,i)perylene	2025/04/27	92	50 - 130	100	50 - 130	<0.050	ug/L	NC	30
9917174	Benzo(k)fluoranthene	2025/04/27	90	50 - 130	100	50 - 130	<0.050	ug/L	NC	30
9917174	Chrysene	2025/04/27	94	50 - 130	97	50 - 130	<0.050	ug/L	NC	30
9917174	Dibenzo(a,h)anthracene	2025/04/27	94	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
9917174	Fluoranthene	2025/04/27	92	50 - 130	97	50 - 130	<0.050	ug/L	NC	30
9917174	Fluorene	2025/04/27	86	50 - 130	90	50 - 130	<0.050	ug/L	NC	30
9917174	Indeno(1,2,3-cd)pyrene	2025/04/27	92	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
9917174	Naphthalene	2025/04/27	68	50 - 130	71	50 - 130	<0.050	ug/L	NC	30
9917174	Phenanthrene	2025/04/27	93	50 - 130	96	50 - 130	<0.030	ug/L	NC	30
9917174	Pyrene	2025/04/27	93	50 - 130	96	50 - 130	<0.050	ug/L	NC	30
9917175	F2 (C10-C16 Hydrocarbons)	2025/04/27	99	60 - 140	104	60 - 140	<90	ug/L	NC	30
9917175	F3 (C16-C34 Hydrocarbons)	2025/04/27	106	60 - 140	113	60 - 140	<200	ug/L	NC	30
9917175	F4 (C34-C50 Hydrocarbons)	2025/04/27	100	60 - 140	105	60 - 140	<200	ug/L	NC	30
9917232	F2 (C10-C16 Hydrocarbons)	2025/04/28	112	60 - 140	112	60 - 140	<90	ug/L	NC	30
9917232	F3 (C16-C34 Hydrocarbons)	2025/04/28	122	60 - 140	123	60 - 140	<200	ug/L	NC	30
9917232	F4 (C34-C50 Hydrocarbons)	2025/04/28	109	60 - 140	108	60 - 140	<200	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9917527	Mercury (Hg)	2025/04/28	97	75 - 125	97	80 - 120	<0.10	ug/L	NC	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was below the lower control limit. This may represent a low bias in some results for this specific analyte.

Bureau Veritas Job #: C545404
Report Date: 2025/04/29

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL
Sampler Initials: ZB

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Louise Harding, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Your C.O.C. #: C#969278-03-01

Attention: Aqsa Gatchalian

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/28
Report #: R8527405
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C543505
Received: 2025/04/17, 16:40

Sample Matrix: Water
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	3	N/A	2025/04/24	CAM SOP-00301	EPA 8270D m
Methylnaphthalene Sum (1)	1	N/A	2025/04/25	CAM SOP-00301	EPA 8270D m
1,3-Dichloropropene Sum (1)	7	N/A	2025/04/24		EPA 8260C m
Chloride by Automated Colourimetry (1)	5	N/A	2025/04/23	CAM SOP-00463	SM 24 4500-Cl E m
Chromium (VI) in Water (1)	5	N/A	2025/04/23	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide (1)	5	N/A	2025/04/21	CAM SOP-00457	OMOE E3015 m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	3	2025/04/23	2025/04/23	CAM SOP-00316	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	2	2025/04/24	2025/04/24	CAM SOP-00316	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1, 2)	1	2025/04/25	2025/04/25	CAM SOP-00316	CCME PHC-CWS m
Mercury (1)	5	2025/04/23	2025/04/24	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS (1)	5	N/A	2025/04/24	CAM SOP-00447	EPA 6020B m
PAH Compounds in Water by GC/MS (SIM) (1)	3	2025/04/23	2025/04/23	CAM SOP-00318	EPA 8270E
PAH Compounds in Water by GC/MS (SIM) (1)	1	2025/04/25	2025/04/25	CAM SOP-00318	EPA 8270E
Volatile Organic Compounds and F1 PHCs (1)	6	N/A	2025/04/23	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds in Water (1)	1	N/A	2025/04/24	CAM SOP-00228	EPA 8260D

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Your C.O.C. #: C#969278-03-01

Attention: Aqsa Gatchalian

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/28
Report #: R8527405
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C543505
Received: 2025/04/17, 16:40

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
==========
This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Sampler Initials: ZB

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID		AQAV50			AQAV50			AQAV52		
Sampling Date		2025/04/16 15:00			2025/04/16 15:00			2025/04/17 10:30		
COC Number		C#969278-03-01			C#969278-03-01			C#969278-03-01		
	UNITS	MW25-2A	RDL	QC Batch	MW25-2A Lab-Dup	RDL	QC Batch	MW25-1A	RDL	QC Batch
Inorganics										
WAD Cyanide (Free)	ug/L	<1	1	9912669				<1	1	9912669
Dissolved Chloride (Cl-)	mg/L	2800	20	9914237				2700	20	9914237
Metals										
Chromium (VI)	ug/L	<1.0	1.0	9914153	<1.0	1.0	9914153	<1.0	1.0	9914153
Mercury (Hg)	ug/L	<0.10	0.10	9914974				<0.10	0.10	9914836
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	9913991				<0.50	0.50	9913991
Dissolved Arsenic (As)	ug/L	<1.0	1.0	9913991				<1.0	1.0	9913991
Dissolved Barium (Ba)	ug/L	300	2.0	9913991				350	2.0	9913991
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	9913991				<0.40	0.40	9913991
Dissolved Boron (B)	ug/L	220	10	9913991				150	10	9913991
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	9913991				<0.090	0.090	9913991
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	9913991				<5.0	5.0	9913991
Dissolved Cobalt (Co)	ug/L	0.85	0.50	9913991				<0.50	0.50	9913991
Dissolved Copper (Cu)	ug/L	1.9	0.90	9913991				<0.90	0.90	9913991
Dissolved Lead (Pb)	ug/L	<0.50	0.50	9913991				<0.50	0.50	9913991
Dissolved Molybdenum (Mo)	ug/L	3.4	0.50	9913991				3.8	0.50	9913991
Dissolved Nickel (Ni)	ug/L	8.8	1.0	9913991				4.4	1.0	9913991
Dissolved Selenium (Se)	ug/L	<2.0	2.0	9913991				<2.0	2.0	9913991
Dissolved Silver (Ag)	ug/L	<0.090	0.090	9913991				<0.090	0.090	9913991
Dissolved Sodium (Na)	ug/L	1700000	500	9913991				1700000	500	9913991
Dissolved Thallium (Tl)	ug/L	0.59	0.050	9913991				<0.050	0.050	9913991
Dissolved Uranium (U)	ug/L	1.5	0.10	9913991				1.6	0.10	9913991
Dissolved Vanadium (V)	ug/L	<0.50	0.50	9913991				<0.50	0.50	9913991
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	9913991				<5.0	5.0	9913991

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Sampler Initials: ZB

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID		AQAV53		AQAV54			AQAV54		
Sampling Date		2025/04/17 12:00		2025/04/17 13:30			2025/04/17 13:30		
COC Number		C#969278-03-01		C#969278-03-01			C#969278-03-01		
	UNITS	MW25-4A	QC Batch	MW25-5	RDL	QC Batch	MW25-5 Lab-Dup	RDL	QC Batch
Inorganics									
WAD Cyanide (Free)	ug/L	<1	9912669	<1	1	9912669			
Dissolved Chloride (Cl-)	mg/L	790	9914237	2000	20	9914237			
Metals									
Chromium (VI)	ug/L	<1.0	9914153	<1.0	1.0	9914153			
Mercury (Hg)	ug/L	<0.10	9914836	<0.10	0.10	9914974			
Dissolved Antimony (Sb)	ug/L	<0.50	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Arsenic (As)	ug/L	1.7	9913991	<1.0	1.0	9913991	<1.0	1.0	9913991
Dissolved Barium (Ba)	ug/L	250	9913991	190	2.0	9913991	190	2.0	9913991
Dissolved Beryllium (Be)	ug/L	<0.40	9913991	<0.40	0.40	9913991	<0.40	0.40	9913991
Dissolved Boron (B)	ug/L	410	9913991	120	10	9913991	120	10	9913991
Dissolved Cadmium (Cd)	ug/L	<0.090	9913991	<0.090	0.090	9913991	<0.090	0.090	9913991
Dissolved Chromium (Cr)	ug/L	<5.0	9913991	<5.0	5.0	9913991	<5.0	5.0	9913991
Dissolved Cobalt (Co)	ug/L	0.52	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Copper (Cu)	ug/L	<0.90	9913991	<0.90	0.90	9913991	<0.90	0.90	9913991
Dissolved Lead (Pb)	ug/L	<0.50	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Molybdenum (Mo)	ug/L	7.8	9913991	0.76	0.50	9913991	0.78	0.50	9913991
Dissolved Nickel (Ni)	ug/L	3.2	9913991	<1.0	1.0	9913991	<1.0	1.0	9913991
Dissolved Selenium (Se)	ug/L	<2.0	9913991	<2.0	2.0	9913991	<2.0	2.0	9913991
Dissolved Silver (Ag)	ug/L	<0.090	9913991	<0.090	0.090	9913991	<0.090	0.090	9913991
Dissolved Sodium (Na)	ug/L	600000	9913991	1200000	500	9913991	1200000	500	9913991
Dissolved Thallium (Tl)	ug/L	<0.050	9913991	<0.050	0.050	9913991	<0.050	0.050	9913991
Dissolved Uranium (U)	ug/L	1.8	9913991	0.28	0.10	9913991	0.26	0.10	9913991
Dissolved Vanadium (V)	ug/L	<0.50	9913991	<0.50	0.50	9913991	<0.50	0.50	9913991
Dissolved Zinc (Zn)	ug/L	<5.0	9913991	<5.0	5.0	9913991	<5.0	5.0	9913991

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Sampler Initials: ZB

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID		AQAV55		
Sampling Date		2025/04/16		
COC Number		C#969278-03-01		
	UNITS	DUP 250416	RDL	QC Batch
Inorganics				
WAD Cyanide (Free)	ug/L	<1	1	9912669
Dissolved Chloride (Cl-)	mg/L	2800	20	9914237
Metals				
Chromium (VI)	ug/L	<1.0	1.0	9914153
Mercury (Hg)	ug/L	<0.10	0.10	9914974
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	9913991
Dissolved Arsenic (As)	ug/L	<1.0	1.0	9913991
Dissolved Barium (Ba)	ug/L	290	2.0	9913991
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	9913991
Dissolved Boron (B)	ug/L	220	10	9913991
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	9913991
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	9913991
Dissolved Cobalt (Co)	ug/L	0.99	0.50	9913991
Dissolved Copper (Cu)	ug/L	0.97	0.90	9913991
Dissolved Lead (Pb)	ug/L	<0.50	0.50	9913991
Dissolved Molybdenum (Mo)	ug/L	3.3	0.50	9913991
Dissolved Nickel (Ni)	ug/L	8.8	1.0	9913991
Dissolved Selenium (Se)	ug/L	<2.0	2.0	9913991
Dissolved Silver (Ag)	ug/L	<0.090	0.090	9913991
Dissolved Sodium (Na)	ug/L	1700000	500	9913991
Dissolved Thallium (Tl)	ug/L	0.54	0.050	9913991
Dissolved Uranium (U)	ug/L	1.5	0.10	9913991
Dissolved Vanadium (V)	ug/L	<0.50	0.50	9913991
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	9913991

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 PAHS (WATER)

Bureau Veritas ID		AQAV50	AQAV52	AQAV53		AQAV55		
Sampling Date		2025/04/16 15:00	2025/04/17 10:30	2025/04/17 12:00		2025/04/16		
COC Number		C#969278-03-01	C#969278-03-01	C#969278-03-01		C#969278-03-01		
	UNITS	MW25-2A	MW25-1A	MW25-4A	QC Batch	DUP 250416	RDL	QC Batch
Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/L	<0.071	<0.071	<0.071	9912505	<0.071	0.071	9912505
Polyaromatic Hydrocarbons								
Acenaphthene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Acenaphthylene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Anthracene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(a)anthracene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(a)pyrene	ug/L	<0.0090	<0.0090	<0.0090	9914328	<0.0090	0.0090	9916094
Benzo(b/j)fluoranthene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(g,h,i)perylene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Benzo(k)fluoranthene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Chrysene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Dibenzo(a,h)anthracene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Fluoranthene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Fluorene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Indeno(1,2,3-cd)pyrene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
1-Methylnaphthalene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
2-Methylnaphthalene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Naphthalene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Phenanthrene	ug/L	<0.030	<0.030	<0.030	9914328	<0.030	0.030	9916094
Pyrene	ug/L	<0.050	<0.050	<0.050	9914328	<0.050	0.050	9916094
Surrogate Recovery (%)								
D10-Anthracene	%	102	107	110	9914328	106		9916094
D14-Terphenyl (FS)	%	48 (1)	99	114	9914328	98		9916094
D8-Acenaphthylene	%	89	92	93	9914328	101		9916094

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		AQAV50		AQAV51		AQAV52		
Sampling Date		2025/04/16 15:00		2025/04/17 08:30		2025/04/17 10:30		
COC Number		C#969278-03-01		C#969278-03-01		C#969278-03-01		
	UNITS	MW25-2A	QC Batch	MW25-2B	QC Batch	MW25-1A	RDL	QC Batch
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	9912935	<0.50	9912935	<0.50	0.50	9912935
Volatile Organics								
Acetone (2-Propanone)	ug/L	<10	9913854	<10	9913854	<10	10	9913854
Benzene	ug/L	0.33	9913854	<0.17	9913854	0.57	0.17	9913854
Bromodichloromethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Bromoform	ug/L	<1.0	9913854	<1.0	9913854	<1.0	1.0	9913854
Bromomethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Carbon Tetrachloride	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Chlorobenzene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Chloroform	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Dibromochloromethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,2-Dichlorobenzene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,3-Dichlorobenzene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,4-Dichlorobenzene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	9913854	<1.0	9913854	<1.0	1.0	9913854
1,1-Dichloroethane	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
1,2-Dichloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,1-Dichloroethylene	ug/L	<0.20	9913854	<0.20	9913854	0.61	0.20	9913854
cis-1,2-Dichloroethylene	ug/L	11	9913854	5.4	9913854	300	0.50	9913854
trans-1,2-Dichloroethylene	ug/L	1.1	9913854	1.1	9913854	4.5	0.50	9913854
1,2-Dichloropropane	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
cis-1,3-Dichloropropene	ug/L	<0.30	9913854	<0.30	9913854	<0.30	0.30	9913854
trans-1,3-Dichloropropene	ug/L	<0.40	9913854	<0.40	9913854	<0.40	0.40	9913854
Ethylbenzene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Ethylene Dibromide	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Hexane	ug/L	<1.0	9913854	<1.0	9913854	<1.0	1.0	9913854
Methylene Chloride(Dichloromethane)	ug/L	<2.0	9913854	<2.0	9913854	<2.0	2.0	9913854
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	9913854	<10	9913854	<10	10	9913854
Methyl Isobutyl Ketone	ug/L	<5.0	9913854	<5.0	9913854	<5.0	5.0	9913854
Methyl t-butyl ether (MTBE)	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Styrene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Sampler Initials: ZB

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		AQAV50		AQAV51		AQAV52		
Sampling Date		2025/04/16 15:00		2025/04/17 08:30		2025/04/17 10:30		
COC Number		C#969278-03-01		C#969278-03-01		C#969278-03-01		
	UNITS	MW25-2A	QC Batch	MW25-2B	QC Batch	MW25-1A	RDL	QC Batch
1,1,1,2-Tetrachloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,1,2,2-Tetrachloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Tetrachloroethylene	ug/L	39	9913854	17	9913854	120	0.20	9913854
Toluene	ug/L	0.21	9913854	<0.20	9913854	0.61	0.20	9913854
1,1,1-Trichloroethane	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
1,1,2-Trichloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Trichloroethylene	ug/L	25	9913854	5.3	9913854	98	0.20	9913854
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Vinyl Chloride	ug/L	0.22	9913854	<0.20	9913854	41	0.20	9913854
p+m-Xylene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
o-Xylene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Total Xylenes	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
F1 (C6-C10)	ug/L	<25	9913854	<25	9913854	59	25	9913854
F1 (C6-C10) - BTEX	ug/L	<25	9913854	<25	9913854	58	25	9913854
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	<90	9914332	<90	9915515	<90	90	9914332
F3 (C16-C34 Hydrocarbons)	ug/L	<200	9914332	<200	9915515	<200	200	9914332
F4 (C34-C50 Hydrocarbons)	ug/L	<200	9914332	<200	9915515	<200	200	9914332
Reached Baseline at C50	ug/L	Yes	9914332	Yes	9915515	Yes		9914332
Surrogate Recovery (%)								
o-Terphenyl	%	93	9914332	93	9915515	93		9914332
4-Bromofluorobenzene	%	96	9913854	99	9913854	96		9913854
D4-1,2-Dichloroethane	%	116	9913854	118	9913854	113		9913854
D8-Toluene	%	85	9913854	84	9913854	85		9913854

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		AQAV53		AQAV54		AQAV55		
Sampling Date		2025/04/17 12:00		2025/04/17 13:30		2025/04/16		
COC Number		C#969278-03-01		C#969278-03-01		C#969278-03-01		
	UNITS	MW25-4A	QC Batch	MW25-5	QC Batch	DUP 250416	RDL	QC Batch
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	9912935	<0.50	9912935	<0.50	0.50	9912935
Volatile Organics								
Acetone (2-Propanone)	ug/L	12	9913854	<10	9913854	<10	10	9913854
Benzene	ug/L	0.91	9913854	<0.17	9913854	0.28	0.17	9913854
Bromodichloromethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Bromoform	ug/L	<1.0	9913854	<1.0	9913854	<1.0	1.0	9913854
Bromomethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Carbon Tetrachloride	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Chlorobenzene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Chloroform	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Dibromochloromethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,2-Dichlorobenzene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,3-Dichlorobenzene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,4-Dichlorobenzene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	9913854	<1.0	9913854	<1.0	1.0	9913854
1,1-Dichloroethane	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
1,2-Dichloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,1-Dichloroethylene	ug/L	<0.20	9913854	0.62	9913854	<0.20	0.20	9913854
cis-1,2-Dichloroethylene	ug/L	210	9913854	390	9913854	11	0.50	9913854
trans-1,2-Dichloroethylene	ug/L	1.5	9913854	8.4	9913854	0.97	0.50	9913854
1,2-Dichloropropane	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
cis-1,3-Dichloropropene	ug/L	<0.30	9913854	<0.30	9913854	<0.30	0.30	9913854
trans-1,3-Dichloropropene	ug/L	<0.40	9913854	<0.40	9913854	<0.40	0.40	9913854
Ethylbenzene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Ethylene Dibromide	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Hexane	ug/L	<1.0	9913854	<1.0	9913854	<1.0	1.0	9913854
Methylene Chloride(Dichloromethane)	ug/L	<2.0	9913854	<2.0	9913854	<2.0	2.0	9913854
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	9913854	<10	9913854	<10	10	9913854
Methyl Isobutyl Ketone	ug/L	<5.0	9913854	<5.0	9913854	<5.0	5.0	9913854
Methyl t-butyl ether (MTBE)	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Styrene	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID		AQAV53		AQAV54		AQAV55		
Sampling Date		2025/04/17 12:00		2025/04/17 13:30		2025/04/16		
COC Number		C#969278-03-01		C#969278-03-01		C#969278-03-01		
	UNITS	MW25-4A	QC Batch	MW25-5	QC Batch	DUP 250416	RDL	QC Batch
1,1,1,2-Tetrachloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
1,1,2,2-Tetrachloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Tetrachloroethylene	ug/L	0.25	9913854	1.1	9913854	31	0.20	9913854
Toluene	ug/L	0.37	9913854	<0.20	9913854	<0.20	0.20	9913854
1,1,1-Trichloroethane	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
1,1,2-Trichloroethane	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Trichloroethylene	ug/L	0.51	9913854	5.7	9913854	23	0.20	9913854
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	9913854	<0.50	9913854	<0.50	0.50	9913854
Vinyl Chloride	ug/L	60	9913854	95	9913854	<0.20	0.20	9913854
p+m-Xylene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
o-Xylene	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
Total Xylenes	ug/L	<0.20	9913854	<0.20	9913854	<0.20	0.20	9913854
F1 (C6-C10)	ug/L	<25	9913854	<25	9913854	<25	25	9913854
F1 (C6-C10) - BTEX	ug/L	<25	9913854	<25	9913854	<25	25	9913854
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	<90	9914332	<90	9915515	<90	90	9916104
F3 (C16-C34 Hydrocarbons)	ug/L	<200	9914332	<200	9915515	<200	200	9916104
F4 (C34-C50 Hydrocarbons)	ug/L	<200	9914332	<200	9915515	<200	200	9916104
Reached Baseline at C50	ug/L	Yes	9914332	Yes	9915515	Yes		9916104
Surrogate Recovery (%)								
o-Terphenyl	%	88	9914332	88	9915515	99		9916104
4-Bromofluorobenzene	%	96	9913854	97	9913854	97		9913854
D4-1,2-Dichloroethane	%	116	9913854	114	9913854	121		9913854
D8-Toluene	%	86	9913854	85	9913854	84		9913854

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID		AQAV56		
Sampling Date		2025/04/17		
COC Number		C#969278-03-01		
	UNITS	TRIP BLANK	RDL	QC Batch
Calculated Parameters				
1,3-Dichloropropene (cis+trans)	ug/L	<0.50	0.50	9912935
Volatile Organics				
Acetone (2-Propanone)	ug/L	<10	10	9913960
Benzene	ug/L	<0.20	0.20	9913960
Bromodichloromethane	ug/L	<0.50	0.50	9913960
Bromoform	ug/L	<1.0	1.0	9913960
Bromomethane	ug/L	<0.50	0.50	9913960
Carbon Tetrachloride	ug/L	<0.19	0.19	9913960
Chlorobenzene	ug/L	<0.20	0.20	9913960
Chloroform	ug/L	<0.20	0.20	9913960
Dibromochloromethane	ug/L	<0.50	0.50	9913960
1,2-Dichlorobenzene	ug/L	<0.40	0.40	9913960
1,3-Dichlorobenzene	ug/L	<0.40	0.40	9913960
1,4-Dichlorobenzene	ug/L	<0.40	0.40	9913960
Dichlorodifluoromethane (FREON 12)	ug/L	<1.0	1.0	9913960
1,1-Dichloroethane	ug/L	<0.20	0.20	9913960
1,2-Dichloroethane	ug/L	<0.49	0.49	9913960
1,1-Dichloroethylene	ug/L	<0.20	0.20	9913960
cis-1,2-Dichloroethylene	ug/L	<0.50	0.50	9913960
trans-1,2-Dichloroethylene	ug/L	<0.50	0.50	9913960
1,2-Dichloropropane	ug/L	<0.20	0.20	9913960
cis-1,3-Dichloropropene	ug/L	<0.30	0.30	9913960
trans-1,3-Dichloropropene	ug/L	<0.40	0.40	9913960
Ethylbenzene	ug/L	<0.20	0.20	9913960
Ethylene Dibromide	ug/L	<0.19	0.19	9913960
Hexane	ug/L	<1.0	1.0	9913960
Methylene Chloride(Dichloromethane)	ug/L	<2.0	2.0	9913960
Methyl Ethyl Ketone (2-Butanone)	ug/L	<10	10	9913960
Methyl Isobutyl Ketone	ug/L	<5.0	5.0	9913960
Methyl t-butyl ether (MTBE)	ug/L	<0.50	0.50	9913960
Styrene	ug/L	<0.40	0.40	9913960
1,1,1,2-Tetrachloroethane	ug/L	<0.50	0.50	9913960

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Sampler Initials: ZB

O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID		AQAV56		
Sampling Date		2025/04/17		
COC Number		C#969278-03-01		
	UNITS	TRIP BLANK	RDL	QC Batch
1,1,2,2-Tetrachloroethane	ug/L	<0.40	0.40	9913960
Tetrachloroethylene	ug/L	<0.20	0.20	9913960
Toluene	ug/L	<0.20	0.20	9913960
1,1,1-Trichloroethane	ug/L	<0.20	0.20	9913960
1,1,2-Trichloroethane	ug/L	<0.40	0.40	9913960
Trichloroethylene	ug/L	<0.20	0.20	9913960
Trichlorofluoromethane (FREON 11)	ug/L	<0.50	0.50	9913960
Vinyl Chloride	ug/L	<0.20	0.20	9913960
p+m-Xylene	ug/L	<0.20	0.20	9913960
o-Xylene	ug/L	<0.20	0.20	9913960
Total Xylenes	ug/L	<0.20	0.20	9913960
Surrogate Recovery (%)				
4-Bromofluorobenzene	%	87		9913960
D4-1,2-Dichloroethane	%	112		9913960
D8-Toluene	%	99		9913960

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Sampler Initials: ZB

TEST SUMMARY

Bureau Veritas ID: AQAV50 **Collected:** 2025/04/16
Sample ID: MW25-2A **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9914332	2025/04/23	2025/04/23	(Kent) Maolin Li
Mercury	CV/AA	9914974	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9914328	2025/04/23	2025/04/23	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV50 Dup **Collected:** 2025/04/16
Sample ID: MW25-2A **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur

Bureau Veritas ID: AQAV51 **Collected:** 2025/04/17
Sample ID: MW25-2B **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9915515	2025/04/24	2025/04/24	Dennis Ngondu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV52 **Collected:** 2025/04/17
Sample ID: MW25-1A **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9914332	2025/04/23	2025/04/23	(Kent) Maolin Li
Mercury	CV/AA	9914836	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9914328	2025/04/23	2025/04/23	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

TEST SUMMARY

Bureau Veritas ID: AQAV53 **Collected:** 2025/04/17
Sample ID: MW25-4A **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/24	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9914332	2025/04/23	2025/04/23	(Kent) Maolin Li
Mercury	CV/AA	9914836	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9914328	2025/04/23	2025/04/23	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV54 **Collected:** 2025/04/17
Sample ID: MW25-5 **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9915515	2025/04/24	2025/04/24	Dennis Ngondu
Mercury	CV/AA	9914974	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV54 Dup **Collected:** 2025/04/17
Sample ID: MW25-5 **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli

Bureau Veritas ID: AQAV55 **Collected:** 2025/04/16
Sample ID: DUP 250416 **Shipped:**
Matrix: Water **Received:** 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9912505	N/A	2025/04/25	Automated Statchk
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Chloride by Automated Colourimetry	SKAL	9914237	N/A	2025/04/23	Alina Dobreanu
Chromium (VI) in Water	IC	9914153	N/A	2025/04/23	Harpuneet Kaur
Free (WAD) Cyanide	SKAL/CN	9912669	N/A	2025/04/21	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	9916104	2025/04/25	2025/04/25	Anna Stuglik-Rolland
Mercury	CV/AA	9914974	2025/04/23	2025/04/24	Maitri PATIL
Dissolved Metals by ICPMS	ICP/MS	9913991	N/A	2025/04/24	Azita Fazaeli

Bureau Veritas Job #: C543505
Report Date: 2025/04/28

Englobe Corp.
Client Project #: 02103035
Site Location: 424 CHURCHILL AVE.NORTH
Sampler Initials: ZB

TEST SUMMARY

Bureau Veritas ID: AQAV55
Sample ID: DUP 250416
Matrix: Water

Collected: 2025/04/16
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
PAH Compounds in Water by GC/MS (SIM)	GC/MS	9916094	2025/04/25	2025/04/25	Margaret Kulczyk-Stanko
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9913854	N/A	2025/04/23	Juan Pangilinan

Bureau Veritas ID: AQAV56
Sample ID: TRIP BLANK
Matrix: Water

Collected: 2025/04/17
Shipped:
Received: 2025/04/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	9912935	N/A	2025/04/24	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	9913960	N/A	2025/04/24	Gabriella Morrone

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	11.0°C
Package 2	11.0°C

Hexavalent Chromium: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913854	4-Bromofluorobenzene	2025/04/23	105	70 - 130	104	70 - 130	99	%		
9913854	D4-1,2-Dichloroethane	2025/04/23	122	70 - 130	110	70 - 130	107	%		
9913854	D8-Toluene	2025/04/23	103	70 - 130	106	70 - 130	89	%		
9913960	4-Bromofluorobenzene	2025/04/23	94	70 - 130	91	70 - 130	89	%		
9913960	D4-1,2-Dichloroethane	2025/04/23	113	70 - 130	109	70 - 130	111	%		
9913960	D8-Toluene	2025/04/23	103	70 - 130	107	70 - 130	101	%		
9914328	D10-Anthracene	2025/04/23	109	50 - 130	111	50 - 130	118	%		
9914328	D14-Terphenyl (FS)	2025/04/23	122	50 - 130	122	50 - 130	122	%		
9914328	D8-Acenaphthylene	2025/04/23	97	50 - 130	97	50 - 130	95	%		
9914332	o-Terphenyl	2025/04/23	97	60 - 140	96	60 - 140	93	%		
9915515	o-Terphenyl	2025/04/24	93	60 - 140	90	60 - 140	94	%		
9916094	D10-Anthracene	2025/04/25	109	50 - 130	106	50 - 130	103	%		
9916094	D14-Terphenyl (FS)	2025/04/25	113	50 - 130	112	50 - 130	104	%		
9916094	D8-Acenaphthylene	2025/04/25	116	50 - 130	112	50 - 130	106	%		
9916104	o-Terphenyl	2025/04/25	105	60 - 140	105	60 - 140	103	%		
9912669	WAD Cyanide (Free)	2025/04/21	94	80 - 120	101	80 - 120	<1	ug/L	NC	20
9913854	1,1,1,2-Tetrachloroethane	2025/04/23	119	70 - 130	113	70 - 130	<0.50	ug/L	NC	30
9913854	1,1,1-Trichloroethane	2025/04/23	105	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	1,1,2,2-Tetrachloroethane	2025/04/23	113	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
9913854	1,1,2-Trichloroethane	2025/04/23	111	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
9913854	1,1-Dichloroethane	2025/04/23	104	70 - 130	100	70 - 130	<0.20	ug/L	NC	30
9913854	1,1-Dichloroethylene	2025/04/23	102	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
9913854	1,2-Dichlorobenzene	2025/04/23	107	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
9913854	1,2-Dichloroethane	2025/04/23	121	70 - 130	108	70 - 130	<0.50	ug/L	NC	30
9913854	1,2-Dichloropropane	2025/04/23	106	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913854	1,3-Dichlorobenzene	2025/04/23	102	70 - 130	104	70 - 130	<0.50	ug/L	NC	30
9913854	1,4-Dichlorobenzene	2025/04/23	106	70 - 130	110	70 - 130	<0.50	ug/L	NC	30
9913854	Acetone (2-Propanone)	2025/04/23	117	60 - 140	100	60 - 140	<10	ug/L	NC	30
9913854	Benzene	2025/04/23	101	70 - 130	99	70 - 130	<0.17	ug/L	NC	30
9913854	Bromodichloromethane	2025/04/23	113	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
9913854	Bromoform	2025/04/23	122	70 - 130	106	70 - 130	<1.0	ug/L	NC	30
9913854	Bromomethane	2025/04/23	122	60 - 140	113	60 - 140	<0.50	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913854	Carbon Tetrachloride	2025/04/23	114	70 - 130	113	70 - 130	<0.20	ug/L	NC	30
9913854	Chlorobenzene	2025/04/23	94	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
9913854	Chloroform	2025/04/23	113	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	cis-1,2-Dichloroethylene	2025/04/23	113	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9913854	cis-1,3-Dichloropropene	2025/04/23	100	70 - 130	94	70 - 130	<0.30	ug/L	NC	30
9913854	Dibromochloromethane	2025/04/23	118	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9913854	Dichlorodifluoromethane (FREON 12)	2025/04/23	120	60 - 140	122	60 - 140	<1.0	ug/L	NC	30
9913854	Ethylbenzene	2025/04/23	90	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913854	Ethylene Dibromide	2025/04/23	112	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913854	F1 (C6-C10) - BTEX	2025/04/23					<25	ug/L	NC	30
9913854	F1 (C6-C10)	2025/04/23	95	60 - 140	95	60 - 140	<25	ug/L	NC	30
9913854	Hexane	2025/04/23	119	70 - 130	125	70 - 130	<1.0	ug/L	NC	30
9913854	Methyl Ethyl Ketone (2-Butanone)	2025/04/23	112	60 - 140	97	60 - 140	<10	ug/L	NC	30
9913854	Methyl Isobutyl Ketone	2025/04/23	113	70 - 130	101	70 - 130	<5.0	ug/L	NC	30
9913854	Methyl t-butyl ether (MTBE)	2025/04/23	101	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
9913854	Methylene Chloride(Dichloromethane)	2025/04/23	114	70 - 130	102	70 - 130	<2.0	ug/L	NC	30
9913854	o-Xylene	2025/04/23	99	70 - 130	108	70 - 130	<0.20	ug/L	NC	30
9913854	p+m-Xylene	2025/04/23	89	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
9913854	Styrene	2025/04/23	79	70 - 130	83	70 - 130	<0.50	ug/L	NC	30
9913854	Tetrachloroethylene	2025/04/23	104	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	Toluene	2025/04/23	101	70 - 130	103	70 - 130	<0.20	ug/L	NC	30
9913854	Total Xylenes	2025/04/23					<0.20	ug/L	NC	30
9913854	trans-1,2-Dichloroethylene	2025/04/23	113	70 - 130	109	70 - 130	<0.50	ug/L	NC	30
9913854	trans-1,3-Dichloropropene	2025/04/23	118	70 - 130	110	70 - 130	<0.40	ug/L	NC	30
9913854	Trichloroethylene	2025/04/23	107	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913854	Trichlorofluoromethane (FREON 11)	2025/04/23	112	70 - 130	111	70 - 130	<0.50	ug/L	NC	30
9913854	Vinyl Chloride	2025/04/23	117	70 - 130	115	70 - 130	<0.20	ug/L	NC	30
9913960	1,1,1,2-Tetrachloroethane	2025/04/23	111	70 - 130	109	70 - 130	<0.50	ug/L	NC	30
9913960	1,1,1-Trichloroethane	2025/04/23	101	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
9913960	1,1,2,2-Tetrachloroethane	2025/04/23	113	70 - 130	104	70 - 130	<0.40	ug/L	NC	30
9913960	1,1,2-Trichloroethane	2025/04/23	118	70 - 130	114	70 - 130	<0.40	ug/L	NC	30
9913960	1,1-Dichloroethane	2025/04/23	109	70 - 130	107	70 - 130	<0.20	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913960	1,1-Dichloroethylene	2025/04/23	112	70 - 130	111	70 - 130	<0.20	ug/L	NC	30
9913960	1,2-Dichlorobenzene	2025/04/23	105	70 - 130	104	70 - 130	<0.40	ug/L	NC	30
9913960	1,2-Dichloroethane	2025/04/23	119	70 - 130	113	70 - 130	<0.49	ug/L	NC	30
9913960	1,2-Dichloropropane	2025/04/23	113	70 - 130	109	70 - 130	<0.20	ug/L	NC	30
9913960	1,3-Dichlorobenzene	2025/04/23	101	70 - 130	102	70 - 130	<0.40	ug/L	NC	30
9913960	1,4-Dichlorobenzene	2025/04/23	99	70 - 130	101	70 - 130	<0.40	ug/L	NC	30
9913960	Acetone (2-Propanone)	2025/04/23	122	60 - 140	116	60 - 140	<10	ug/L	NC	30
9913960	Benzene	2025/04/23	110	70 - 130	107	70 - 130	<0.20	ug/L	1.3	30
9913960	Bromodichloromethane	2025/04/23	108	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
9913960	Bromoform	2025/04/23	106	70 - 130	99	70 - 130	<1.0	ug/L	NC	30
9913960	Bromomethane	2025/04/23	116	60 - 140	113	60 - 140	<0.50	ug/L	NC	30
9913960	Carbon Tetrachloride	2025/04/23	108	70 - 130	105	70 - 130	<0.19	ug/L	NC	30
9913960	Chlorobenzene	2025/04/23	97	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
9913960	Chloroform	2025/04/23	108	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913960	cis-1,2-Dichloroethylene	2025/04/23	110	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
9913960	cis-1,3-Dichloropropene	2025/04/23	95	70 - 130	92	70 - 130	<0.30	ug/L	NC	30
9913960	Dibromochloromethane	2025/04/23	108	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
9913960	Dichlorodifluoromethane (FREON 12)	2025/04/23	129	60 - 140	128	60 - 140	<1.0	ug/L	NC	30
9913960	Ethylbenzene	2025/04/23	97	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
9913960	Ethylene Dibromide	2025/04/23	108	70 - 130	104	70 - 130	<0.19	ug/L	NC	30
9913960	Hexane	2025/04/23	128	70 - 130	126	70 - 130	<1.0	ug/L	NC	30
9913960	Methyl Ethyl Ketone (2-Butanone)	2025/04/23	122	60 - 140	115	60 - 140	<10	ug/L	NC	30
9913960	Methyl Isobutyl Ketone	2025/04/23	106	70 - 130	97	70 - 130	<5.0	ug/L	NC	30
9913960	Methyl t-butyl ether (MTBE)	2025/04/23	97	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
9913960	Methylene Chloride(Dichloromethane)	2025/04/23	112	70 - 130	108	70 - 130	<2.0	ug/L	NC	30
9913960	o-Xylene	2025/04/23	104	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
9913960	p+m-Xylene	2025/04/23	92	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
9913960	Styrene	2025/04/23	94	70 - 130	94	70 - 130	<0.40	ug/L	NC	30
9913960	Tetrachloroethylene	2025/04/23	94	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
9913960	Toluene	2025/04/23	105	70 - 130	106	70 - 130	<0.20	ug/L	NC	30
9913960	Total Xylenes	2025/04/23					<0.20	ug/L	NC	30
9913960	trans-1,2-Dichloroethylene	2025/04/23	109	70 - 130	107	70 - 130	<0.50	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9913960	trans-1,3-Dichloropropene	2025/04/23	109	70 - 130	110	70 - 130	<0.40	ug/L	NC	30
9913960	Trichloroethylene	2025/04/23	101	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
9913960	Trichlorofluoromethane (FREON 11)	2025/04/23	112	70 - 130	109	70 - 130	<0.50	ug/L	NC	30
9913960	Vinyl Chloride	2025/04/23	131 (1)	70 - 130	129	70 - 130	<0.20	ug/L	NC	30
9913991	Dissolved Antimony (Sb)	2025/04/24	103	80 - 120	101	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Arsenic (As)	2025/04/24	103	80 - 120	98	80 - 120	<1.0	ug/L	NC	20
9913991	Dissolved Barium (Ba)	2025/04/24	99	80 - 120	99	80 - 120	<2.0	ug/L	1.0	20
9913991	Dissolved Beryllium (Be)	2025/04/24	100	80 - 120	99	80 - 120	<0.40	ug/L	NC	20
9913991	Dissolved Boron (B)	2025/04/24	98	80 - 120	98	80 - 120	<10	ug/L	0.043	20
9913991	Dissolved Cadmium (Cd)	2025/04/24	94	80 - 120	97	80 - 120	<0.090	ug/L	NC	20
9913991	Dissolved Chromium (Cr)	2025/04/24	101	80 - 120	96	80 - 120	<5.0	ug/L	NC	20
9913991	Dissolved Cobalt (Co)	2025/04/24	96	80 - 120	94	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Copper (Cu)	2025/04/24	98	80 - 120	97	80 - 120	<0.90	ug/L	NC	20
9913991	Dissolved Lead (Pb)	2025/04/24	86	80 - 120	94	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Molybdenum (Mo)	2025/04/24	108	80 - 120	97	80 - 120	<0.50	ug/L	3.4	20
9913991	Dissolved Nickel (Ni)	2025/04/24	92	80 - 120	93	80 - 120	<1.0	ug/L	NC	20
9913991	Dissolved Selenium (Se)	2025/04/24	97	80 - 120	100	80 - 120	<2.0	ug/L	NC	20
9913991	Dissolved Silver (Ag)	2025/04/24	89	80 - 120	94	80 - 120	<0.090	ug/L	NC	20
9913991	Dissolved Sodium (Na)	2025/04/24	NC	80 - 120	95	80 - 120	<100	ug/L	0.73	20
9913991	Dissolved Thallium (Tl)	2025/04/24	90	80 - 120	97	80 - 120	<0.050	ug/L	NC	20
9913991	Dissolved Uranium (U)	2025/04/24	94	80 - 120	95	80 - 120	<0.10	ug/L	6.4	20
9913991	Dissolved Vanadium (V)	2025/04/24	105	80 - 120	96	80 - 120	<0.50	ug/L	NC	20
9913991	Dissolved Zinc (Zn)	2025/04/24	88	80 - 120	96	80 - 120	<5.0	ug/L	NC	20
9914153	Chromium (VI)	2025/04/23	101	80 - 120	103	80 - 120	<0.50	ug/L	NC	20
9914237	Dissolved Chloride (Cl-)	2025/04/23	NC	80 - 120	97	80 - 120	<1.0	mg/L	1.0	20
9914328	1-Methylnaphthalene	2025/04/23	75	50 - 130	76	50 - 130	<0.050	ug/L	5.2	30
9914328	2-Methylnaphthalene	2025/04/23	72	50 - 130	73	50 - 130	<0.050	ug/L	0.26	30
9914328	Acenaphthene	2025/04/23	84	50 - 130	88	50 - 130	<0.050	ug/L	NC	30
9914328	Acenaphthylene	2025/04/23	84	50 - 130	87	50 - 130	<0.050	ug/L	NC	30
9914328	Anthracene	2025/04/23	114	50 - 130	113	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(a)anthracene	2025/04/23	101	50 - 130	101	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(a)pyrene	2025/04/23	97	50 - 130	98	50 - 130	<0.0090	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9914328	Benzo(b/j)fluoranthene	2025/04/23	105	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(g,h,i)perylene	2025/04/23	106	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
9914328	Benzo(k)fluoranthene	2025/04/23	100	50 - 130	100	50 - 130	<0.050	ug/L	NC	30
9914328	Chrysene	2025/04/23	105	50 - 130	105	50 - 130	<0.050	ug/L	NC	30
9914328	Dibenzo(a,h)anthracene	2025/04/23	98	50 - 130	99	50 - 130	<0.050	ug/L	NC	30
9914328	Fluoranthene	2025/04/23	115	50 - 130	114	50 - 130	<0.050	ug/L	NC	30
9914328	Fluorene	2025/04/23	97	50 - 130	97	50 - 130	<0.050	ug/L	NC	30
9914328	Indeno(1,2,3-cd)pyrene	2025/04/23	112	50 - 130	112	50 - 130	<0.050	ug/L	NC	30
9914328	Naphthalene	2025/04/23	72	50 - 130	74	50 - 130	<0.050	ug/L	NC	30
9914328	Phenanthrene	2025/04/23	102	50 - 130	102	50 - 130	<0.030	ug/L	NC	30
9914328	Pyrene	2025/04/23	116	50 - 130	115	50 - 130	<0.050	ug/L	NC	30
9914332	F2 (C10-C16 Hydrocarbons)	2025/04/23	95	60 - 140	93	60 - 140	<90	ug/L	NC	30
9914332	F3 (C16-C34 Hydrocarbons)	2025/04/23	103	60 - 140	102	60 - 140	<200	ug/L	NC	30
9914332	F4 (C34-C50 Hydrocarbons)	2025/04/23	91	60 - 140	92	60 - 140	<200	ug/L	NC	30
9914836	Mercury (Hg)	2025/04/24	96	75 - 125	97	80 - 120	<0.10	ug/L	NC	20
9914974	Mercury (Hg)	2025/04/24	98	75 - 125	98	80 - 120	<0.10	ug/L	NC	20
9915515	F2 (C10-C16 Hydrocarbons)	2025/04/24	119	60 - 140	97	60 - 140	<90	ug/L	21	30
9915515	F3 (C16-C34 Hydrocarbons)	2025/04/24	130	60 - 140	106	60 - 140	<200	ug/L	9.9	30
9915515	F4 (C34-C50 Hydrocarbons)	2025/04/24	126	60 - 140	103	60 - 140	<200	ug/L	8.7	30
9916094	1-Methylnaphthalene	2025/04/25	83	50 - 130	75	50 - 130	<0.050	ug/L	NC	30
9916094	2-Methylnaphthalene	2025/04/25	82	50 - 130	73	50 - 130	<0.050	ug/L	NC	30
9916094	Acenaphthene	2025/04/25	102	50 - 130	93	50 - 130	<0.050	ug/L	NC	30
9916094	Acenaphthylene	2025/04/25	103	50 - 130	96	50 - 130	<0.050	ug/L	NC	30
9916094	Anthracene	2025/04/25	119	50 - 130	116	50 - 130	<0.050	ug/L	NC	30
9916094	Benzo(a)anthracene	2025/04/25	123	50 - 130	120	50 - 130	<0.050	ug/L	NC	30
9916094	Benzo(a)pyrene	2025/04/25	121	50 - 130	118	50 - 130	<0.0090	ug/L	NC	30
9916094	Benzo(b/j)fluoranthene	2025/04/25	118	50 - 130	116	50 - 130	<0.050	ug/L	NC	30
9916094	Benzo(g,h,i)perylene	2025/04/25	107	50 - 130	103	50 - 130	<0.050	ug/L	NC	30
9916094	Benzo(k)fluoranthene	2025/04/25	121	50 - 130	120	50 - 130	<0.050	ug/L	NC	30
9916094	Chrysene	2025/04/25	118	50 - 130	118	50 - 130	<0.050	ug/L	NC	30
9916094	Dibenzo(a,h)anthracene	2025/04/25	101	50 - 130	102	50 - 130	<0.050	ug/L	NC	30
9916094	Fluoranthene	2025/04/25	124	50 - 130	121	50 - 130	<0.050	ug/L	NC	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9916094	Fluorene	2025/04/25	110	50 - 130	104	50 - 130	<0.050	ug/L	NC	30
9916094	Indeno(1,2,3-cd)pyrene	2025/04/25	109	50 - 130	108	50 - 130	<0.050	ug/L	NC	30
9916094	Naphthalene	2025/04/25	78	50 - 130	74	50 - 130	<0.050	ug/L	NC	30
9916094	Phenanthrene	2025/04/25	112	50 - 130	110	50 - 130	<0.030	ug/L	NC	30
9916094	Pyrene	2025/04/25	124	50 - 130	121	50 - 130	<0.050	ug/L	NC	30
9916104	F2 (C10-C16 Hydrocarbons)	2025/04/25	100	60 - 140	101	60 - 140	<90	ug/L	NC	30
9916104	F3 (C16-C34 Hydrocarbons)	2025/04/25	110	60 - 140	113	60 - 140	<200	ug/L	NC	30
9916104	F4 (C34-C50 Hydrocarbons)	2025/04/25	99	60 - 140	102	60 - 140	<200	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The recovery was above the upper control limit. This may represent a high bias in some results for this specific analyte. For results that were not detected (ND), this potential bias has no impact.

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere, Senior Scientific Specialist

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Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Your Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: C#1039259-01-01

Attention: Aqsa Gatchalian

Englobe Corp.
Ottawa - Standing Offer
2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/09
Report #: R8517268
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534309
Received: 2025/03/28, 10:20

Sample Matrix: Soil
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum (1)	6	N/A	2025/04/01	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron (1)	4	2025/04/02	2025/04/02	CAM SOP-00408	R153 Ana. Prot. 2011
Hot Water Extractable Boron (1)	1	2025/04/02	2025/04/03	CAM SOP-00408	R153 Ana. Prot. 2011
1,3-Dichloropropene Sum (1)	6	N/A	2025/04/02		EPA 8260C m
Free (WAD) Cyanide (1)	4	2025/04/02	2025/04/02	CAM SOP-00457	OMOE E3015 m
Free (WAD) Cyanide (1)	1	2025/04/03	2025/04/03	CAM SOP-00457	OMOE E3015 m
Conductivity (1)	5	2025/04/02	2025/04/02	CAM SOP-00414	OMOE E3530 v1 m
Hexavalent Chromium in Soil by IC (1, 2)	4	2025/04/02	2025/04/02	CAM SOP-00436	EPA 3060A/7199 m
Hexavalent Chromium in Soil by IC (1, 2)	1	2025/04/03	2025/04/03	CAM SOP-00436	EPA 3060A/7199 m
Petroleum Hydrocarbons F2-F4 in Soil (1, 3)	6	2025/04/01	2025/04/02	CAM SOP-00316	CCME CWS m
F4G (CCME Hydrocarbons Gravimetric) (1)	2	2025/04/03	2025/04/03	CAM SOP-00316	CCME PHC-CWS m
Acid Extractable Metals by ICPMS (1)	5	2025/04/02	2025/04/02	CAM SOP-00447	EPA 6020B m
Acid Extractable Metals by ICPMS (1)	1	2025/04/03	2025/04/03	CAM SOP-00447	EPA 6020B m
Moisture (1)	6	N/A	2025/03/31	CAM SOP-00445	Carter 2nd ed 70.2 m
PAH Compounds in Soil by GC/MS (SIM) (1)	6	2025/03/31	2025/04/01	CAM SOP-00318	EPA 8270E
pH CaCl2 EXTRACT (1)	4	2025/04/02	2025/04/02	CAM SOP-00413	EPA 9045 D m
pH CaCl2 EXTRACT (1)	2	2025/04/03	2025/04/03	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR) (1)	5	N/A	2025/04/02	CAM SOP-00102	EPA 6010C
Volatile Organic Compounds and F1 PHCs (1)	6	N/A	2025/04/01	CAM SOP-00230	EPA 8260C m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or

Your Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Your C.O.C. #: C#1039259-01-01

Attention: Aqsa Gatchalian

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2713 Lancaster Road
Unit 101
Ottawa, ON
CANADA K1B 5R6

Report Date: 2025/04/09
Report #: R8517268
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C534309
Received: 2025/03/28, 10:20

implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Mississauga, 6740 Campobello Rd , Mississauga, ON, L5N 2L8
(2) Soils are reported on a dry weight basis unless otherwise specified.
(3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633
==========
This report has been generated and distributed using a secure automated process.
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 ICPMS METALS (SOIL)

Bureau Veritas ID			APJI13		
Sampling Date			2025/03/26 15:50		
COC Number			C#1039259-01-01		
	UNITS	Criteria	MW25-05	RDL	QC Batch
Metals					
Acid Extractable Antimony (Sb)	ug/g	7.5	1.8	0.20	9903353
Acid Extractable Arsenic (As)	ug/g	18	8.3	1.0	9903353
Acid Extractable Barium (Ba)	ug/g	390	270	0.50	9903353
Acid Extractable Beryllium (Be)	ug/g	5	0.49	0.20	9903353
Acid Extractable Boron (B)	ug/g	120	12	5.0	9903353
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.89	0.10	9903353
Acid Extractable Chromium (Cr)	ug/g	160	18	1.0	9903353
Acid Extractable Cobalt (Co)	ug/g	22	8.4	0.10	9903353
Acid Extractable Copper (Cu)	ug/g	180	**1000**	0.50	9903353
Acid Extractable Lead (Pb)	ug/g	120	**210**	1.0	9903353
Acid Extractable Molybdenum (Mo)	ug/g	6.9	1.5	0.50	9903353
Acid Extractable Nickel (Ni)	ug/g	130	29	0.50	9903353
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	0.50	9903353
Acid Extractable Silver (Ag)	ug/g	25	0.31	0.20	9903353
Acid Extractable Thallium (Tl)	ug/g	1	0.27	0.050	9903353
Acid Extractable Uranium (U)	ug/g	23	0.40	0.050	9903353
Acid Extractable Vanadium (V)	ug/g	86	19	5.0	9903353
Acid Extractable Zinc (Zn)	ug/g	340	**1400**	5.0	9903353

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			APJI11		APJI12		APJI14		
Sampling Date			2025/03/26 09:00		2025/03/26 15:25		2025/03/27 13:26		
COC Number			C#1039259-01-01		C#1039259-01-01		C#1039259-01-01		
	UNITS	Criteria	MW25-01A	QC Batch	MW25-04A	QC Batch	MW25-03	RDL	QC Batch
Calculated Parameters									
Sodium Adsorption Ratio	N/A	5.0	**5.5**	9900894	4.7	9900894	3.6		9900894
Inorganics									
Conductivity	mS/cm	0.7	0.44	9902805	0.24	9902805	**0.84**	0.002	9902805
Available (CaCl2) pH	pH	-	8.04	9902902	7.81	9903408	7.91		9902902
WAD Cyanide (Free)	ug/g	0.051	<0.01	9902522	<0.01	9903264	<0.01	0.01	9902522
Chromium (VI)	ug/g	10	<0.18	9902641	<0.18	9903310	<0.18	0.18	9902641
Metals									
Hot Water Ext. Boron (B)	ug/g	1.5	0.44	9902678	0.16	9902678	0.67	0.050	9902678
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	9902853	<0.20	9902853	0.67	0.20	9902853
Acid Extractable Arsenic (As)	ug/g	18	1.1	9902853	1.2	9902853	3.0	1.0	9902853
Acid Extractable Barium (Ba)	ug/g	390	130	9902853	260	9902853	130	0.50	9902853
Acid Extractable Beryllium (Be)	ug/g	5	0.39	9902853	0.35	9902853	0.28	0.20	9902853
Acid Extractable Boron (B)	ug/g	120	11	9902853	9.7	9902853	7.6	5.0	9902853
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	9902853	<0.10	9902853	0.57	0.10	9902853
Acid Extractable Chromium (Cr)	ug/g	160	11	9902853	9.0	9902853	15	1.0	9902853
Acid Extractable Cobalt (Co)	ug/g	22	4.9	9902853	4.6	9902853	6.2	0.10	9902853
Acid Extractable Copper (Cu)	ug/g	180	4.8	9902853	6.7	9902853	63	0.50	9902853
Acid Extractable Lead (Pb)	ug/g	120	6.3	9902853	8.1	9902853	**260**	1.0	9902853
Acid Extractable Molybdenum (Mo)	ug/g	6.9	0.64	9902853	<0.50	9902853	1.1	0.50	9902853
Acid Extractable Nickel (Ni)	ug/g	130	12	9902853	11	9902853	18	0.50	9902853
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	9902853	<0.50	9902853	<0.50	0.50	9902853
Acid Extractable Silver (Ag)	ug/g	25	<0.20	9902853	<0.20	9902853	0.21	0.20	9902853
Acid Extractable Thallium (Tl)	ug/g	1	0.12	9902853	0.10	9902853	0.20	0.050	9902853
Acid Extractable Uranium (U)	ug/g	23	0.19	9902853	0.19	9902853	0.32	0.050	9902853
Acid Extractable Vanadium (V)	ug/g	86	10	9902853	8.3	9902853	18	5.0	9902853
Acid Extractable Zinc (Zn)	ug/g	340	11	9902853	10	9902853	140	5.0	9902853
Acid Extractable Mercury (Hg)	ug/g	1.8	<0.050	9902853	<0.050	9902853	0.093	0.050	9902853

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			APJI15		APJI16		
Sampling Date			2025/03/27 13:42		2025/03/26		
COC Number			C#1039259-01-01		C#1039259-01-01		
	UNITS	Criteria	MW25-02A	QC Batch	DUP	RDL	QC Batch
Calculated Parameters							
Sodium Adsorption Ratio	N/A	5.0	2.5	9900894	**5.6**		9900894
Inorganics							
Conductivity	mS/cm	0.7	0.24	9902805	0.26	0.002	9902805
Available (CaCl2) pH	pH	-	7.84	9902750	7.80		9902902
WAD Cyanide (Free)	ug/g	0.051	<0.01	9902522	<0.01	0.01	9902522
Chromium (VI)	ug/g	10	<0.18	9902641	<0.18	0.18	9902641
Metals							
Hot Water Ext. Boron (B)	ug/g	1.5	0.20	9902678	0.20	0.050	9903387
Acid Extractable Antimony (Sb)	ug/g	7.5	2.3	9902853	<0.20	0.20	9902853
Acid Extractable Arsenic (As)	ug/g	18	1.3	9902853	1.3	1.0	9902853
Acid Extractable Barium (Ba)	ug/g	390	93	9902853	210	0.50	9902853
Acid Extractable Beryllium (Be)	ug/g	5	<0.20	9902853	0.37	0.20	9902853
Acid Extractable Boron (B)	ug/g	120	<5.0	9902853	10	5.0	9902853
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.15	9902853	<0.10	0.10	9902853
Acid Extractable Chromium (Cr)	ug/g	160	7.8	9902853	9.3	1.0	9902853
Acid Extractable Cobalt (Co)	ug/g	22	2.9	9902853	4.9	0.10	9902853
Acid Extractable Copper (Cu)	ug/g	180	24	9902853	7.0	0.50	9902853
Acid Extractable Lead (Pb)	ug/g	120	99	9902853	8.8	1.0	9902853
Acid Extractable Molybdenum (Mo)	ug/g	6.9	0.87	9902853	<0.50	0.50	9902853
Acid Extractable Nickel (Ni)	ug/g	130	6.5	9902853	11	0.50	9902853
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	9902853	<0.50	0.50	9902853
Acid Extractable Silver (Ag)	ug/g	25	<0.20	9902853	<0.20	0.20	9902853
Acid Extractable Thallium (Tl)	ug/g	1	0.078	9902853	0.10	0.050	9902853
Acid Extractable Uranium (U)	ug/g	23	0.38	9902853	0.21	0.050	9902853
Acid Extractable Vanadium (V)	ug/g	86	12	9902853	8.8	5.0	9902853
Acid Extractable Zinc (Zn)	ug/g	340	36	9902853	11	5.0	9902853
Acid Extractable Mercury (Hg)	ug/g	1.8	<0.050	9902853	<0.050	0.050	9902853

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 PAHS (SOIL)

Bureau Veritas ID			APJI11	APJI12		APJI13		
Sampling Date			2025/03/26 09:00	2025/03/26 15:25		2025/03/26 15:50		
COC Number			C#1039259-01-01	C#1039259-01-01		C#1039259-01-01		
	UNITS	Criteria	MW25-01A	MW25-04A	RDL	MW25-05	RDL	QC Batch
Calculated Parameters								
Methylnaphthalene, 2-(1-)	ug/g	-	<0.0071	<0.0071	0.0071	<0.071	0.071	9900893
Polyaromatic Hydrocarbons								
Acenaphthene	ug/g	58	<0.0050	<0.0050	0.0050	<0.050	0.050	9901767
Acenaphthylene	ug/g	0.17	<0.0050	<0.0050	0.0050	<0.050	0.050	9901767
Anthracene	ug/g	0.74	<0.0050	<0.0050	0.0050	0.073	0.050	9901767
Benzo(a)anthracene	ug/g	0.63	<0.0050	0.0084	0.0050	0.20	0.050	9901767
Benzo(a)pyrene	ug/g	0.3	0.0070	0.0094	0.0050	0.18	0.050	9901767
Benzo(b/j)fluoranthene	ug/g	0.78	0.0074	0.012	0.0050	0.24	0.050	9901767
Benzo(g,h,i)perylene	ug/g	7.8	0.016	0.0061	0.0050	0.086	0.050	9901767
Benzo(k)fluoranthene	ug/g	0.78	<0.0050	<0.0050	0.0050	0.091	0.050	9901767
Chrysene	ug/g	7.8	0.0073	0.0088	0.0050	0.17	0.050	9901767
Dibenzo(a,h)anthracene	ug/g	0.1	<0.0050	<0.0050	0.0050	<0.050	0.050	9901767
Fluoranthene	ug/g	0.69	<0.0050	0.023	0.0050	0.59	0.050	9901767
Fluorene	ug/g	69	<0.0050	<0.0050	0.0050	<0.050	0.050	9901767
Indeno(1,2,3-cd)pyrene	ug/g	0.48	<0.0050	0.0063	0.0050	0.078	0.050	9901767
1-Methylnaphthalene	ug/g	3.4	<0.0050	<0.0050	0.0050	<0.050	0.050	9901767
2-Methylnaphthalene	ug/g	3.4	<0.0050	<0.0050	0.0050	<0.050	0.050	9901767
Naphthalene	ug/g	0.75	<0.0050	<0.0050	0.0050	<0.050	0.050	9901767
Phenanthrene	ug/g	7.8	0.0072	0.011	0.0050	0.42	0.050	9901767
Pyrene	ug/g	78	0.0094	0.019	0.0050	0.48	0.050	9901767
Surrogate Recovery (%)								
D10-Anthracene	%	-	89	93		94		9901767
D14-Terphenyl (FS)	%	-	79	89		90		9901767
D8-Acenaphthylene	%	-	80	87		74		9901767

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
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QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 PAHS (SOIL)

Bureau Veritas ID			APJI14	APJI15	APJI16		
Sampling Date			2025/03/27 13:26	2025/03/27 13:42	2025/03/26		
COC Number			C#1039259-01-01	C#1039259-01-01	C#1039259-01-01		
	UNITS	Criteria	MW25-03	MW25-02A	DUP	RDL	QC Batch
Calculated Parameters							
Methylnaphthalene, 2-(1-)	ug/g	-	<0.0071	0.025	<0.0071	0.0071	9900893
Polyaromatic Hydrocarbons							
Acenaphthene	ug/g	58	<0.0050	0.096	<0.0050	0.0050	9901767
Acenaphthylene	ug/g	0.17	0.022	0.018	<0.0050	0.0050	9901767
Anthracene	ug/g	0.74	0.037	0.24	<0.0050	0.0050	9901767
Benzo(a)anthracene	ug/g	0.63	0.062	**0.92**	0.014	0.0050	9901767
Benzo(a)pyrene	ug/g	0.3	0.091	**0.85**	0.011	0.0050	9901767
Benzo(b/j)fluoranthene	ug/g	0.78	0.12	**1.2**	0.019	0.0050	9901767
Benzo(g,h,i)perylene	ug/g	7.8	0.19	0.67	0.011	0.0050	9901767
Benzo(k)fluoranthene	ug/g	0.78	0.040	0.49	0.0069	0.0050	9901767
Chrysene	ug/g	7.8	0.060	0.81	0.011	0.0050	9901767
Dibenzo(a,h)anthracene	ug/g	0.1	0.023	**0.17**	<0.0050	0.0050	9901767
Fluoranthene	ug/g	0.69	0.11	**2.0**	0.019	0.0050	9901767
Fluorene	ug/g	69	<0.0050	0.087	<0.0050	0.0050	9901767
Indeno(1,2,3-cd)pyrene	ug/g	0.48	0.13	**0.72**	0.0076	0.0050	9901767
1-Methylnaphthalene	ug/g	3.4	0.0054	0.014	<0.0050	0.0050	9901767
2-Methylnaphthalene	ug/g	3.4	<0.0050	0.011	<0.0050	0.0050	9901767
Naphthalene	ug/g	0.75	<0.0050	0.016	<0.0050	0.0050	9901767
Phenanthrene	ug/g	7.8	0.059	1.1	0.0095	0.0050	9901767
Pyrene	ug/g	78	0.10	1.5	0.017	0.0050	9901767
Surrogate Recovery (%)							
D10-Anthracene	%	-	83	80	89		9901767
D14-Terphenyl (FS)	%	-	71	80	81		9901767
D8-Acenaphthylene	%	-	76	81	85		9901767

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI11			APJI11		
Sampling Date			2025/03/26 09:00			2025/03/26 09:00		
COC Number			C#1039259-01-01			C#1039259-01-01		
	UNITS	Criteria	MW25-01A	RDL	QC Batch	MW25-01A Lab-Dup	RDL	QC Batch
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/g	0.083	<0.050	0.050	9900907			
Volatile Organics								
Acetone (2-Propanone)	ug/g	28	<0.49	0.49	9902053	<0.49	0.49	9902053
Benzene	ug/g	0.17	<0.0060	0.0060	9902053	<0.0060	0.0060	9902053
Bromodichloromethane	ug/g	13	<0.040	0.040	9902053	<0.040	0.040	9902053
Bromoform	ug/g	0.26	<0.040	0.040	9902053	<0.040	0.040	9902053
Bromomethane	ug/g	0.05	<0.040	0.040	9902053	<0.040	0.040	9902053
Carbon Tetrachloride	ug/g	0.12	<0.040	0.040	9902053	<0.040	0.040	9902053
Chlorobenzene	ug/g	2.7	<0.040	0.040	9902053	<0.040	0.040	9902053
Chloroform	ug/g	0.17	<0.040	0.040	9902053	<0.040	0.040	9902053
Dibromochloromethane	ug/g	9.4	<0.040	0.040	9902053	<0.040	0.040	9902053
1,2-Dichlorobenzene	ug/g	4.3	<0.040	0.040	9902053	<0.040	0.040	9902053
1,3-Dichlorobenzene	ug/g	6	<0.040	0.040	9902053	<0.040	0.040	9902053
1,4-Dichlorobenzene	ug/g	0.097	<0.040	0.040	9902053	<0.040	0.040	9902053
Dichlorodifluoromethane (FREON 12)	ug/g	25	<0.040	0.040	9902053	<0.040	0.040	9902053
1,1-Dichloroethane	ug/g	11	<0.040	0.040	9902053	<0.040	0.040	9902053
1,2-Dichloroethane	ug/g	0.05	<0.049	0.049	9902053	<0.049	0.049	9902053
1,1-Dichloroethylene	ug/g	0.05	<0.040	0.040	9902053	<0.040	0.040	9902053
cis-1,2-Dichloroethylene	ug/g	30	<0.040	0.040	9902053	<0.040	0.040	9902053
trans-1,2-Dichloroethylene	ug/g	0.75	<0.040	0.040	9902053	<0.040	0.040	9902053
1,2-Dichloropropane	ug/g	0.085	<0.040	0.040	9902053	<0.040	0.040	9902053
cis-1,3-Dichloropropene	ug/g	0.083	<0.030	0.030	9902053	<0.030	0.030	9902053
trans-1,3-Dichloropropene	ug/g	0.083	<0.040	0.040	9902053	<0.040	0.040	9902053
Ethylbenzene	ug/g	15	<0.010	0.010	9902053	<0.010	0.010	9902053
Ethylene Dibromide	ug/g	0.05	<0.040	0.040	9902053	<0.040	0.040	9902053
Hexane	ug/g	34	<0.040	0.040	9902053	<0.040	0.040	9902053
Methylene Chloride(Dichloromethane)	ug/g	0.96	<0.049	0.049	9902053	<0.049	0.049	9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI11			APJI11		
Sampling Date			2025/03/26 09:00			2025/03/26 09:00		
COC Number			C#1039259-01-01			C#1039259-01-01		
	UNITS	Criteria	MW25-01A	RDL	QC Batch	MW25-01A Lab-Dup	RDL	QC Batch
Methyl Ethyl Ketone (2-Butanone)	ug/g	44	<0.40	0.40	9902053	<0.40	0.40	9902053
Methyl Isobutyl Ketone	ug/g	4.3	<0.40	0.40	9902053	<0.40	0.40	9902053
Methyl t-butyl ether (MTBE)	ug/g	1.4	<0.040	0.040	9902053	<0.040	0.040	9902053
Styrene	ug/g	2.2	<0.040	0.040	9902053	<0.040	0.040	9902053
1,1,1,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	9902053	<0.040	0.040	9902053
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	9902053	<0.040	0.040	9902053
Tetrachloroethylene	ug/g	2.3	0.19	0.040	9902053	0.18	0.040	9902053
Toluene	ug/g	6	<0.020	0.020	9902053	<0.020	0.020	9902053
1,1,1-Trichloroethane	ug/g	3.4	<0.040	0.040	9902053	<0.040	0.040	9902053
1,1,2-Trichloroethane	ug/g	0.05	<0.040	0.040	9902053	<0.040	0.040	9902053
Trichloroethylene	ug/g	0.52	<0.010	0.010	9902053	<0.010	0.010	9902053
Trichlorofluoromethane (FREON 11)	ug/g	5.8	<0.040	0.040	9902053	<0.040	0.040	9902053
Vinyl Chloride	ug/g	0.022	<0.019	0.019	9902053	<0.019	0.019	9902053
p+m-Xylene	ug/g	-	<0.020	0.020	9902053	<0.020	0.020	9902053
o-Xylene	ug/g	-	<0.020	0.020	9902053	<0.020	0.020	9902053
Total Xylenes	ug/g	25	<0.020	0.020	9902053	<0.020	0.020	9902053
F1 (C6-C10)	ug/g	65	<10	10	9902053	<10	10	9902053
F1 (C6-C10) - BTEX	ug/g	65	<10	10	9902053	<10	10	9902053
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	150	13	7.0	9902290			
F3 (C16-C34 Hydrocarbons)	ug/g	1300	140	50	9902290			
F4 (C34-C50 Hydrocarbons)	ug/g	5600	190	50	9902290			
Reached Baseline at C50	ug/g	-	Yes		9902290			
Surrogate Recovery (%)								
o-Terphenyl	%	-	90		9902290			
4-Bromofluorobenzene	%	-	101		9902053	98		9902053
D10-o-Xylene	%	-	90		9902053	90		9902053
D4-1,2-Dichloroethane	%	-	102		9902053	102		9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
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Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI11			APJI11		
Sampling Date			2025/03/26 09:00			2025/03/26 09:00		
COC Number			C#1039259-01-01			C#1039259-01-01		
	UNITS	Criteria	MW25-01A	RDL	QC Batch	MW25-01A Lab-Dup	RDL	QC Batch
D8-Toluene	%	-	92		9902053	92		9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI12	APJI13	APJI14	APJI15		
Sampling Date			2025/03/26 15:25	2025/03/26 15:50	2025/03/27 13:26	2025/03/27 13:42		
COC Number			C#1039259-01-01	C#1039259-01-01	C#1039259-01-01	C#1039259-01-01		
	UNITS	Criteria	MW25-04A	MW25-05	MW25-03	MW25-02A	RDL	QC Batch
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/g	0.083	<0.050	<0.050	<0.050	<0.050	0.050	9900907
Volatile Organics								
Acetone (2-Propanone)	ug/g	28	<0.49	<0.49	<0.49	<0.49	0.49	9902053
Benzene	ug/g	0.17	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	9902053
Bromodichloromethane	ug/g	13	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Bromoform	ug/g	0.26	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Bromomethane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Carbon Tetrachloride	ug/g	0.12	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Chlorobenzene	ug/g	2.7	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Chloroform	ug/g	0.17	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Dibromochloromethane	ug/g	9.4	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,2-Dichlorobenzene	ug/g	4.3	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,3-Dichlorobenzene	ug/g	6	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,4-Dichlorobenzene	ug/g	0.097	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Dichlorodifluoromethane (FREON 12)	ug/g	25	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,1-Dichloroethane	ug/g	11	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,2-Dichloroethane	ug/g	0.05	<0.049	<0.049	<0.049	<0.049	0.049	9902053
1,1-Dichloroethylene	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	0.040	9902053
cis-1,2-Dichloroethylene	ug/g	30	<0.040	<0.040	0.058	<0.040	0.040	9902053
trans-1,2-Dichloroethylene	ug/g	0.75	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,2-Dichloropropane	ug/g	0.085	<0.040	<0.040	<0.040	<0.040	0.040	9902053
cis-1,3-Dichloropropene	ug/g	0.083	<0.030	<0.030	<0.030	<0.030	0.030	9902053
trans-1,3-Dichloropropene	ug/g	0.083	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Ethylbenzene	ug/g	15	<0.010	<0.010	<0.010	<0.010	0.010	9902053
Ethylene Dibromide	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Hexane	ug/g	34	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Methylene Chloride(Dichloromethane)	ug/g	0.96	<0.049	<0.049	<0.049	<0.049	0.049	9902053
Methyl Ethyl Ketone (2-Butanone)	ug/g	44	<0.40	<0.40	<0.40	<0.40	0.40	9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI12	APJI13	APJI14	APJI15		
Sampling Date			2025/03/26 15:25	2025/03/26 15:50	2025/03/27 13:26	2025/03/27 13:42		
COC Number			C#1039259-01-01	C#1039259-01-01	C#1039259-01-01	C#1039259-01-01		
	UNITS	Criteria	MW25-04A	MW25-05	MW25-03	MW25-02A	RDL	QC Batch
Methyl Isobutyl Ketone	ug/g	4.3	<0.40	<0.40	<0.40	<0.40	0.40	9902053
Methyl t-butyl ether (MTBE)	ug/g	1.4	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Styrene	ug/g	2.2	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,1,1,2-Tetrachloroethane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Tetrachloroethylene	ug/g	2.3	0.75	1.0	1.7	<0.040	0.040	9902053
Toluene	ug/g	6	<0.020	<0.020	<0.020	<0.020	0.020	9902053
1,1,1-Trichloroethane	ug/g	3.4	<0.040	<0.040	<0.040	<0.040	0.040	9902053
1,1,2-Trichloroethane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Trichloroethylene	ug/g	0.52	<0.010	<0.010	0.089	<0.010	0.010	9902053
Trichlorofluoromethane (FREON 11)	ug/g	5.8	<0.040	<0.040	<0.040	<0.040	0.040	9902053
Vinyl Chloride	ug/g	0.022	<0.019	<0.019	<0.019	<0.019	0.019	9902053
p+m-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	0.020	9902053
o-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	0.020	9902053
Total Xylenes	ug/g	25	<0.020	<0.020	<0.020	<0.020	0.020	9902053
F1 (C6-C10)	ug/g	65	<10	<10	<10	<10	10	9902053
F1 (C6-C10) - BTEX	ug/g	65	<10	<10	<10	<10	10	9902053
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	150	<7.0	7.8	26	<7.0	7.0	9902290
F3 (C16-C34 Hydrocarbons)	ug/g	1300	<50	170	340	140	50	9902290
F4 (C34-C50 Hydrocarbons)	ug/g	5600	<50	680	180	140	50	9902290
Reached Baseline at C50	ug/g	-	Yes	No	No	Yes		9902290
Surrogate Recovery (%)								
o-Terphenyl	%	-	92	82	93	96		9902290
4-Bromofluorobenzene	%	-	98	98	98	98		9902053
D10-o-Xylene	%	-	98	96	95	99		9902053
D4-1,2-Dichloroethane	%	-	102	107	107	108		9902053
D8-Toluene	%	-	93	93	92	92		9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI16		
Sampling Date			2025/03/26		
COC Number			C#1039259-01-01		
	UNITS	Criteria	DUP	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/g	0.083	<0.050	0.050	9900907
Volatile Organics					
Acetone (2-Propanone)	ug/g	28	<0.49	0.49	9902053
Benzene	ug/g	0.17	<0.0060	0.0060	9902053
Bromodichloromethane	ug/g	13	<0.040	0.040	9902053
Bromoform	ug/g	0.26	<0.040	0.040	9902053
Bromomethane	ug/g	0.05	<0.040	0.040	9902053
Carbon Tetrachloride	ug/g	0.12	<0.040	0.040	9902053
Chlorobenzene	ug/g	2.7	<0.040	0.040	9902053
Chloroform	ug/g	0.17	<0.040	0.040	9902053
Dibromochloromethane	ug/g	9.4	<0.040	0.040	9902053
1,2-Dichlorobenzene	ug/g	4.3	<0.040	0.040	9902053
1,3-Dichlorobenzene	ug/g	6	<0.040	0.040	9902053
1,4-Dichlorobenzene	ug/g	0.097	<0.040	0.040	9902053
Dichlorodifluoromethane (FREON 12)	ug/g	25	<0.040	0.040	9902053
1,1-Dichloroethane	ug/g	11	<0.040	0.040	9902053
1,2-Dichloroethane	ug/g	0.05	<0.049	0.049	9902053
1,1-Dichloroethylene	ug/g	0.05	<0.040	0.040	9902053
cis-1,2-Dichloroethylene	ug/g	30	<0.040	0.040	9902053
trans-1,2-Dichloroethylene	ug/g	0.75	<0.040	0.040	9902053
1,2-Dichloropropane	ug/g	0.085	<0.040	0.040	9902053
cis-1,3-Dichloropropene	ug/g	0.083	<0.030	0.030	9902053
trans-1,3-Dichloropropene	ug/g	0.083	<0.040	0.040	9902053
Ethylbenzene	ug/g	15	<0.010	0.010	9902053
Ethylene Dibromide	ug/g	0.05	<0.040	0.040	9902053
Hexane	ug/g	34	<0.040	0.040	9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI16		
Sampling Date			2025/03/26		
COC Number			C#1039259-01-01		
	UNITS	Criteria	DUP	RDL	QC Batch
Methylene Chloride(Dichloromethane)	ug/g	0.96	<0.049	0.049	9902053
Methyl Ethyl Ketone (2-Butanone)	ug/g	44	<0.40	0.40	9902053
Methyl Isobutyl Ketone	ug/g	4.3	<0.40	0.40	9902053
Methyl t-butyl ether (MTBE)	ug/g	1.4	<0.040	0.040	9902053
Styrene	ug/g	2.2	<0.040	0.040	9902053
1,1,1,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	9902053
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	9902053
Tetrachloroethylene	ug/g	2.3	1.7	0.040	9902053
Toluene	ug/g	6	0.022	0.020	9902053
1,1,1-Trichloroethane	ug/g	3.4	<0.040	0.040	9902053
1,1,2-Trichloroethane	ug/g	0.05	<0.040	0.040	9902053
Trichloroethylene	ug/g	0.52	<0.010	0.010	9902053
Trichlorofluoromethane (FREON 11)	ug/g	5.8	<0.040	0.040	9902053
Vinyl Chloride	ug/g	0.022	<0.019	0.019	9902053
p+m-Xylene	ug/g	-	<0.020	0.020	9902053
o-Xylene	ug/g	-	<0.020	0.020	9902053
Total Xylenes	ug/g	25	<0.020	0.020	9902053
F1 (C6-C10)	ug/g	65	<10	10	9902053
F1 (C6-C10) - BTEX	ug/g	65	<10	10	9902053
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	150	<7.0	7.0	9902290
F3 (C16-C34 Hydrocarbons)	ug/g	1300	<50	50	9902290
F4 (C34-C50 Hydrocarbons)	ug/g	5600	<50	50	9902290
Reached Baseline at C50	ug/g	-	Yes		9902290
Surrogate Recovery (%)					
o-Terphenyl	%	-	97		9902290
4-Bromofluorobenzene	%	-	98		9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

O.REG 153 VOCS BY HS & F1-F4 (SOIL)

Bureau Veritas ID			APJI16		
Sampling Date			2025/03/26		
COC Number			C#1039259-01-01		
	UNITS	Criteria	DUP	RDL	QC Batch
D10-o-Xylene	%	-	100		9902053
D4-1,2-Dichloroethane	%	-	106		9902053
D8-Toluene	%	-	92		9902053

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		APJI11	APJI12		APJI13		APJI14		
Sampling Date		2025/03/26 09:00	2025/03/26 15:25		2025/03/26 15:50		2025/03/27 13:26		
COC Number		C#1039259-01-01	C#1039259-01-01		C#1039259-01-01		C#1039259-01-01		
	UNITS	MW25-01A	MW25-04A	QC Batch	MW25-05	QC Batch	MW25-03	RDL	QC Batch
Inorganics									
Moisture	%	5.5	15	9901145	14	9901145	8.5	1.0	9901209
Available (CaCl2) pH	pH				7.69	9903408			

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		APJI15	APJI16		
Sampling Date		2025/03/27 13:42	2025/03/26		
COC Number		C#1039259-01-01	C#1039259-01-01		
	UNITS	MW25-02A	DUP	RDL	QC Batch
Inorganics					
Moisture	%	8.3	15	1.0	9901209

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID			APJI13	APJI13	APJI14		
Sampling Date			2025/03/26 15:50	2025/03/26 15:50	2025/03/27 13:26		
COC Number			C#1039259-01-01	C#1039259-01-01	C#1039259-01-01		
	UNITS	Criteria	MW25-05	MW25-05 Lab-Dup	MW25-03	RDL	QC Batch
F2-F4 Hydrocarbons							
F4G-sg (Grav. Heavy Hydrocarbons)	ug/g	5600	2900	3200	710	100	9903277

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

TEST SUMMARY

Bureau Veritas ID: APJI11 **Collected:** 2025/03/26
Sample ID: MW25-01A **Shipped:**
Matrix: Soil **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9900893	N/A	2025/04/01	Automated Statchk
Hot Water Extractable Boron	ICP	9902678	2025/04/02	2025/04/02	Medhat Nasr
1,3-Dichloropropene Sum	CALC	9900907	N/A	2025/04/02	Automated Statchk
Free (WAD) Cyanide	TECH	9902522	2025/04/02	2025/04/02	Prgya Panchal
Conductivity	AT	9902805	2025/04/02	2025/04/02	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9902641	2025/04/02	2025/04/02	Alifya Murtaza
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9902290	2025/04/01	2025/04/02	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	9902853	2025/04/02	2025/04/02	Jaswinder Kaur
Moisture	BAL	9901145	N/A	2025/03/31	Joe Thomas
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9901767	2025/03/31	2025/04/01	Mitesh Raj
pH CaCl2 EXTRACT	AT	9902902	2025/04/02	2025/04/02	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9900894	N/A	2025/04/02	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9902053	N/A	2025/04/01	Dina Wang

Bureau Veritas ID: APJI11 Dup **Collected:** 2025/03/26
Sample ID: MW25-01A **Shipped:**
Matrix: Soil **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9902053	N/A	2025/04/01	Dina Wang

Bureau Veritas ID: APJI12 **Collected:** 2025/03/26
Sample ID: MW25-04A **Shipped:**
Matrix: Soil **Received:** 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9900893	N/A	2025/04/01	Automated Statchk
Hot Water Extractable Boron	ICP	9902678	2025/04/02	2025/04/02	Medhat Nasr
1,3-Dichloropropene Sum	CALC	9900907	N/A	2025/04/02	Automated Statchk
Free (WAD) Cyanide	TECH	9903264	2025/04/03	2025/04/03	Prgya Panchal
Conductivity	AT	9902805	2025/04/02	2025/04/02	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9903310	2025/04/03	2025/04/03	Sousan Besharatlou
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9902290	2025/04/01	2025/04/02	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	9902853	2025/04/02	2025/04/02	Jaswinder Kaur
Moisture	BAL	9901145	N/A	2025/03/31	Joe Thomas
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9901767	2025/03/31	2025/04/01	Mitesh Raj
pH CaCl2 EXTRACT	AT	9903408	2025/04/03	2025/04/03	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9900894	N/A	2025/04/02	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9902053	N/A	2025/04/01	Dina Wang

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

TEST SUMMARY

Bureau Veritas ID: APJI13
Sample ID: MW25-05
Matrix: Soil

Collected: 2025/03/26
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9900893	N/A	2025/04/01	Automated Statchk
1,3-Dichloropropene Sum	CALC	9900907	N/A	2025/04/02	Automated Statchk
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9902290	2025/04/01	2025/04/02	Agnieszka Brzuzy-Snopko
F4G (CCME Hydrocarbons Gravimetric)	BAL	9903277	2025/04/03	2025/04/03	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	9903353	2025/04/03	2025/04/03	Daniel Teclu
Moisture	BAL	9901145	N/A	2025/03/31	Joe Thomas
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9901767	2025/03/31	2025/04/01	Mitesh Raj
pH CaCl2 EXTRACT	AT	9903408	2025/04/03	2025/04/03	Kien Tran
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9902053	N/A	2025/04/01	Dina Wang

Bureau Veritas ID: APJI13 Dup
Sample ID: MW25-05
Matrix: Soil

Collected: 2025/03/26
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
F4G (CCME Hydrocarbons Gravimetric)	BAL	9903277	2025/04/03	2025/04/03	Rashmi Dubey

Bureau Veritas ID: APJI14
Sample ID: MW25-03
Matrix: Soil

Collected: 2025/03/27
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9900893	N/A	2025/04/01	Automated Statchk
Hot Water Extractable Boron	ICP	9902678	2025/04/02	2025/04/02	Medhat Nasr
1,3-Dichloropropene Sum	CALC	9900907	N/A	2025/04/02	Automated Statchk
Free (WAD) Cyanide	TECH	9902522	2025/04/02	2025/04/02	Prgya Panchal
Conductivity	AT	9902805	2025/04/02	2025/04/02	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9902641	2025/04/02	2025/04/02	Alifya Murtaza
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9902290	2025/04/01	2025/04/02	Agnieszka Brzuzy-Snopko
F4G (CCME Hydrocarbons Gravimetric)	BAL	9903277	2025/04/03	2025/04/03	Rashmi Dubey
Acid Extractable Metals by ICPMS	ICP/MS	9902853	2025/04/02	2025/04/02	Jaswinder Kaur
Moisture	BAL	9901209	N/A	2025/03/31	Joe Thomas
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9901767	2025/03/31	2025/04/01	Mitesh Raj
pH CaCl2 EXTRACT	AT	9902902	2025/04/02	2025/04/02	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9900894	N/A	2025/04/02	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9902053	N/A	2025/04/01	Dina Wang

Bureau Veritas ID: APJI15
Sample ID: MW25-02A
Matrix: Soil

Collected: 2025/03/27
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9900893	N/A	2025/04/01	Automated Statchk
Hot Water Extractable Boron	ICP	9902678	2025/04/02	2025/04/02	Medhat Nasr
1,3-Dichloropropene Sum	CALC	9900907	N/A	2025/04/02	Automated Statchk

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

TEST SUMMARY

Bureau Veritas ID: APJI15
Sample ID: MW25-02A
Matrix: Soil

Collected: 2025/03/27
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Free (WAD) Cyanide	TECH	9902522	2025/04/02	2025/04/02	Prgya Panchal
Conductivity	AT	9902805	2025/04/02	2025/04/02	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9902641	2025/04/02	2025/04/02	Alifya Murtaza
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9902290	2025/04/01	2025/04/02	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	9902853	2025/04/02	2025/04/02	Jaswinder Kaur
Moisture	BAL	9901209	N/A	2025/03/31	Joe Thomas
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9901767	2025/03/31	2025/04/01	Mitesh Raj
pH CaCl2 EXTRACT	AT	9902750	2025/04/02	2025/04/02	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9900894	N/A	2025/04/02	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9902053	N/A	2025/04/01	Dina Wang

Bureau Veritas ID: APJI16
Sample ID: DUP
Matrix: Soil

Collected: 2025/03/26
Shipped:
Received: 2025/03/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9900893	N/A	2025/04/01	Automated Statchk
Hot Water Extractable Boron	ICP	9903387	2025/04/02	2025/04/03	Medhat Nasr
1,3-Dichloropropene Sum	CALC	9900907	N/A	2025/04/02	Automated Statchk
Free (WAD) Cyanide	TECH	9902522	2025/04/02	2025/04/02	Prgya Panchal
Conductivity	AT	9902805	2025/04/02	2025/04/02	Gurparteek KAUR
Hexavalent Chromium in Soil by IC	IC/SPEC	9902641	2025/04/02	2025/04/02	Alifya Murtaza
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9902290	2025/04/01	2025/04/02	Agnieszka Brzuzy-Snopko
Acid Extractable Metals by ICPMS	ICP/MS	9902853	2025/04/02	2025/04/02	Jaswinder Kaur
Moisture	BAL	9901209	N/A	2025/03/31	Joe Thomas
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9901767	2025/03/31	2025/04/01	Mitesh Raj
pH CaCl2 EXTRACT	AT	9902902	2025/04/02	2025/04/02	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9900894	N/A	2025/04/02	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	9902053	N/A	2025/04/01	Dina Wang

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	5.0°C

Sample APJI13 [MW25-05] : PAH Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

Bureau Veritas 100 – 36 Antares Dr. Nepean, ON, K2E 7W5 Phone: 613-274-0573 Website: www.bvna.com

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9901767	D10-Anthracene	2025/03/31	98	50 - 130	100	50 - 130	108	%		
9901767	D14-Terphenyl (FS)	2025/03/31	127	50 - 130	98	50 - 130	99	%		
9901767	D8-Acenaphthylene	2025/03/31	89	50 - 130	89	50 - 130	84	%		
9902053	4-Bromofluorobenzene	2025/04/01	104	60 - 140	102	60 - 140	101	%		
9902053	D10-o-Xylene	2025/04/01	109	60 - 130	90	60 - 130	88	%		
9902053	D4-1,2-Dichloroethane	2025/04/01	99	60 - 140	97	60 - 140	100	%		
9902053	D8-Toluene	2025/04/01	103	60 - 140	105	60 - 140	93	%		
9902290	o-Terphenyl	2025/04/01	95	60 - 140	91	60 - 140	93	%		
9901145	Moisture	2025/03/31							0.55	20
9901209	Moisture	2025/03/31							3.4	20
9901767	1-Methylnaphthalene	2025/03/31	85	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
9901767	2-Methylnaphthalene	2025/03/31	88	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
9901767	Acenaphthene	2025/03/31	92	50 - 130	91	50 - 130	<0.0050	ug/g	NC	40
9901767	Acenaphthylene	2025/03/31	84	50 - 130	85	50 - 130	<0.0050	ug/g	NC	40
9901767	Anthracene	2025/03/31	96	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
9901767	Benzo(a)anthracene	2025/03/31	90	50 - 130	84	50 - 130	<0.0050	ug/g	NC	40
9901767	Benzo(a)pyrene	2025/03/31	83	50 - 130	86	50 - 130	<0.0050	ug/g	NC	40
9901767	Benzo(b/j)fluoranthene	2025/03/31	92	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40
9901767	Benzo(g,h,i)perylene	2025/03/31	128	50 - 130	71	50 - 130	<0.0050	ug/g	NC	40
9901767	Benzo(k)fluoranthene	2025/03/31	104	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
9901767	Chrysene	2025/03/31	91	50 - 130	88	50 - 130	<0.0050	ug/g	NC	40
9901767	Dibenzo(a,h)anthracene	2025/03/31	107	50 - 130	72	50 - 130	<0.0050	ug/g	NC	40
9901767	Fluoranthene	2025/03/31	117	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
9901767	Fluorene	2025/03/31	93	50 - 130	91	50 - 130	<0.0050	ug/g	NC	40
9901767	Indeno(1,2,3-cd)pyrene	2025/03/31	120	50 - 130	86	50 - 130	<0.0050	ug/g	NC	40
9901767	Naphthalene	2025/03/31	88	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
9901767	Phenanthrene	2025/03/31	87	50 - 130	87	50 - 130	<0.0050	ug/g	NC	40
9901767	Pyrene	2025/03/31	123	50 - 130	101	50 - 130	<0.0050	ug/g	NC	40
9902053	1,1,1,2-Tetrachloroethane	2025/04/01	110	60 - 140	107	60 - 130	<0.040	ug/g	NC	50
9902053	1,1,1-Trichloroethane	2025/04/01	99	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
9902053	1,1,2,2-Tetrachloroethane	2025/04/01	96	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
9902053	1,1,2-Trichloroethane	2025/04/01	98	60 - 140	97	60 - 130	<0.040	ug/g	NC	50

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9902053	1,1-Dichloroethane	2025/04/01	99	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
9902053	1,1-Dichloroethylene	2025/04/01	98	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
9902053	1,2-Dichlorobenzene	2025/04/01	102	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
9902053	1,2-Dichloroethane	2025/04/01	101	60 - 140	98	60 - 130	<0.049	ug/g	NC	50
9902053	1,2-Dichloropropane	2025/04/01	101	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
9902053	1,3-Dichlorobenzene	2025/04/01	102	60 - 140	100	60 - 130	<0.040	ug/g	NC	50
9902053	1,4-Dichlorobenzene	2025/04/01	102	60 - 140	99	60 - 130	<0.040	ug/g	NC	50
9902053	Acetone (2-Propanone)	2025/04/01	93	60 - 140	93	60 - 140	<0.49	ug/g	NC	50
9902053	Benzene	2025/04/01	98	60 - 140	93	60 - 130	<0.0060	ug/g	NC	50
9902053	Bromodichloromethane	2025/04/01	99	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
9902053	Bromoform	2025/04/01	102	60 - 140	100	60 - 130	<0.040	ug/g	NC	50
9902053	Bromomethane	2025/04/01	108	60 - 140	100	60 - 140	<0.040	ug/g	NC	50
9902053	Carbon Tetrachloride	2025/04/01	108	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
9902053	Chlorobenzene	2025/04/01	93	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
9902053	Chloroform	2025/04/01	101	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
9902053	cis-1,2-Dichloroethylene	2025/04/01	107	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
9902053	cis-1,3-Dichloropropene	2025/04/01	93	60 - 140	89	60 - 130	<0.030	ug/g	NC	50
9902053	Dibromochloromethane	2025/04/01	104	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
9902053	Dichlorodifluoromethane (FREON 12)	2025/04/01	106	60 - 140	101	60 - 140	<0.040	ug/g	NC	50
9902053	Ethylbenzene	2025/04/01	95	60 - 140	93	60 - 130	<0.010	ug/g	NC	50
9902053	Ethylene Dibromide	2025/04/01	98	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
9902053	F1 (C6-C10) - BTEX	2025/04/01					<10	ug/g	NC	30
9902053	F1 (C6-C10)	2025/04/01	93	60 - 140	91	80 - 120	<10	ug/g	NC	30
9902053	Hexane	2025/04/01	111	60 - 140	106	60 - 130	<0.040	ug/g	NC	50
9902053	Methyl Ethyl Ketone (2-Butanone)	2025/04/01	94	60 - 140	92	60 - 140	<0.40	ug/g	NC	50
9902053	Methyl Isobutyl Ketone	2025/04/01	93	60 - 140	93	60 - 130	<0.40	ug/g	NC	50
9902053	Methyl t-butyl ether (MTBE)	2025/04/01	96	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
9902053	Methylene Chloride(Dichloromethane)	2025/04/01	100	60 - 140	95	60 - 130	<0.049	ug/g	NC	50
9902053	o-Xylene	2025/04/01	104	60 - 140	102	60 - 130	<0.020	ug/g	NC	50
9902053	p+m-Xylene	2025/04/01	95	60 - 140	93	60 - 130	<0.020	ug/g	NC	50
9902053	Styrene	2025/04/01	101	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
9902053	Tetrachloroethylene	2025/04/01	102	60 - 140	97	60 - 130	<0.040	ug/g	0.59	50

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9902053	Toluene	2025/04/01	100	60 - 140	98	60 - 130	<0.020	ug/g	NC	50
9902053	Total Xylenes	2025/04/01					<0.020	ug/g	NC	50
9902053	trans-1,2-Dichloroethylene	2025/04/01	109	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
9902053	trans-1,3-Dichloropropene	2025/04/01	104	60 - 140	100	60 - 130	<0.040	ug/g	NC	50
9902053	Trichloroethylene	2025/04/01	103	60 - 140	97	60 - 130	<0.010	ug/g	NC	50
9902053	Trichlorofluoromethane (FREON 11)	2025/04/01	105	60 - 140	99	60 - 130	<0.040	ug/g	NC	50
9902053	Vinyl Chloride	2025/04/01	113	60 - 140	105	60 - 130	<0.019	ug/g	NC	50
9902290	F2 (C10-C16 Hydrocarbons)	2025/04/02	93	60 - 140	89	80 - 120	<7.0	ug/g	NC	30
9902290	F3 (C16-C34 Hydrocarbons)	2025/04/02	96	60 - 140	92	80 - 120	<50	ug/g	NC	30
9902290	F4 (C34-C50 Hydrocarbons)	2025/04/02	90	60 - 140	86	80 - 120	<50	ug/g	NC	30
9902522	WAD Cyanide (Free)	2025/04/02	94	75 - 125	99	80 - 120	<0.01	ug/g	NC	35
9902641	Chromium (VI)	2025/04/02	81	70 - 130	96	80 - 120	<0.18	ug/g	4.9	35
9902678	Hot Water Ext. Boron (B)	2025/04/02	104	75 - 125	108	75 - 125	<0.050	ug/g	NC	40
9902750	Available (CaCl2) pH	2025/04/02			100	97 - 103			0.69	N/A
9902805	Conductivity	2025/04/02			101	90 - 110	<0.002	mS/cm	3.0	10
9902853	Acid Extractable Antimony (Sb)	2025/04/02	97	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
9902853	Acid Extractable Arsenic (As)	2025/04/02	100	75 - 125	104	80 - 120	<1.0	ug/g	3.5	30
9902853	Acid Extractable Barium (Ba)	2025/04/02	90	75 - 125	96	80 - 120	<0.50	ug/g	4.0	30
9902853	Acid Extractable Beryllium (Be)	2025/04/02	94	75 - 125	97	80 - 120	<0.20	ug/g	NC	30
9902853	Acid Extractable Boron (B)	2025/04/02	93	75 - 125	98	80 - 120	<5.0	ug/g	NC	30
9902853	Acid Extractable Cadmium (Cd)	2025/04/02	96	75 - 125	100	80 - 120	<0.10	ug/g	NC	30
9902853	Acid Extractable Chromium (Cr)	2025/04/02	99	75 - 125	98	80 - 120	<1.0	ug/g	1.3	30
9902853	Acid Extractable Cobalt (Co)	2025/04/02	97	75 - 125	102	80 - 120	<0.10	ug/g	5.5	30
9902853	Acid Extractable Copper (Cu)	2025/04/02	92	75 - 125	98	80 - 120	<0.50	ug/g	1.1	30
9902853	Acid Extractable Lead (Pb)	2025/04/02	89	75 - 125	96	80 - 120	<1.0	ug/g	3.4	30
9902853	Acid Extractable Mercury (Hg)	2025/04/02	90	75 - 125	101	80 - 120	<0.050	ug/g	NC	30
9902853	Acid Extractable Molybdenum (Mo)	2025/04/02	96	75 - 125	96	80 - 120	<0.50	ug/g	NC	30
9902853	Acid Extractable Nickel (Ni)	2025/04/02	97	75 - 125	100	80 - 120	<0.50	ug/g	2.1	30
9902853	Acid Extractable Selenium (Se)	2025/04/02	100	75 - 125	105	80 - 120	<0.50	ug/g	NC	30
9902853	Acid Extractable Silver (Ag)	2025/04/02	94	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
9902853	Acid Extractable Thallium (Tl)	2025/04/02	92	75 - 125	100	80 - 120	<0.050	ug/g	NC	30
9902853	Acid Extractable Uranium (U)	2025/04/02	94	75 - 125	101	80 - 120	<0.050	ug/g	3.7	30

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9902853	Acid Extractable Vanadium (V)	2025/04/02	103	75 - 125	100	80 - 120	<5.0	ug/g	8.0	30
9902853	Acid Extractable Zinc (Zn)	2025/04/02	98	75 - 125	105	80 - 120	<5.0	ug/g	8.5	30
9902902	Available (CaCl2) pH	2025/04/02			99	97 - 103			0.34	N/A
9903264	WAD Cyanide (Free)	2025/04/03	108	75 - 125	101	80 - 120	<0.01	ug/g	NC	35
9903277	F4G-sg (Grav. Heavy Hydrocarbons)	2025/04/03	90	65 - 135	101	65 - 135	<100	ug/g	10	50
9903310	Chromium (VI)	2025/04/03	45 (1)	70 - 130	94	80 - 120	<0.18	ug/g	NC	35
9903353	Acid Extractable Antimony (Sb)	2025/04/03	110	75 - 125	118	80 - 120	<0.20	ug/g		
9903353	Acid Extractable Arsenic (As)	2025/04/03	105	75 - 125	105	80 - 120	<1.0	ug/g		
9903353	Acid Extractable Barium (Ba)	2025/04/03	NC	75 - 125	101	80 - 120	<0.50	ug/g	0.0073	30
9903353	Acid Extractable Beryllium (Be)	2025/04/03	103	75 - 125	103	80 - 120	<0.20	ug/g	5.4	30
9903353	Acid Extractable Boron (B)	2025/04/03	91	75 - 125	100	80 - 120	<5.0	ug/g	5.7	30
9903353	Acid Extractable Cadmium (Cd)	2025/04/03	105	75 - 125	105	80 - 120	<0.10	ug/g	10	30
9903353	Acid Extractable Chromium (Cr)	2025/04/03	NC	75 - 125	107	80 - 120	<1.0	ug/g	2.8	30
9903353	Acid Extractable Cobalt (Co)	2025/04/03	106	75 - 125	107	80 - 120	<0.10	ug/g	2.5	30
9903353	Acid Extractable Copper (Cu)	2025/04/03	99	75 - 125	103	80 - 120	<0.50	ug/g	4.0	30
9903353	Acid Extractable Lead (Pb)	2025/04/03	105	75 - 125	106	80 - 120	<1.0	ug/g	2.7	30
9903353	Acid Extractable Molybdenum (Mo)	2025/04/03	97	75 - 125	99	80 - 120	<0.50	ug/g	NC	30
9903353	Acid Extractable Nickel (Ni)	2025/04/03	106	75 - 125	108	80 - 120	<0.50	ug/g	6.3	30
9903353	Acid Extractable Selenium (Se)	2025/04/03	100	75 - 125	101	80 - 120	<0.50	ug/g		
9903353	Acid Extractable Silver (Ag)	2025/04/03	102	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
9903353	Acid Extractable Thallium (Tl)	2025/04/03	104	75 - 125	106	80 - 120	<0.050	ug/g	0.76	30
9903353	Acid Extractable Uranium (U)	2025/04/03	108	75 - 125	110	80 - 120	<0.050	ug/g	0.49	30
9903353	Acid Extractable Vanadium (V)	2025/04/03	NC	75 - 125	108	80 - 120	<5.0	ug/g	1.7	30
9903353	Acid Extractable Zinc (Zn)	2025/04/03	NC	75 - 125	109	80 - 120	<5.0	ug/g	4.0	30
9903387	Hot Water Ext. Boron (B)	2025/04/03	115	75 - 125	104	75 - 125	<0.050	ug/g	6.1	40

QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9903408	Available (CaCl2) pH	2025/04/03			100	97 - 103			0.53	N/A

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample. The sample was reanalyzed with the same results

Bureau Veritas Job #: C534309
Report Date: 2025/04/09

Englobe Corp.
Client Project #: 02103035.000
Site Location: 424 CHURCHILL AVE N
Sampler Initials: AQ

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

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Louise Harding, Scientific Specialist

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