November 19, 2024

Project T1220482.003

Weston Consulting
201 Millway Avenue, Unit 19
Concord, ON L4K 5K8
Attention: Kayly Robbins, MPL, MCIP, RPP, Senior Planner

Subject: **Results of Test Well Drilling and Aquifer Testing**
Proposed Residential Subdivision – 11 Main Street
Puslinch, Ontario

Dear Ms. Robbins:

This letter report provides the results and analysis of the test well drilling and aquifer testing program completed for the above noted residential development.

1.0 Introduction

The Site is identified at the municipal address of 11 Main Street, Morriston (Puslinch), Ontario. The Site is irregular in shape with a total area of approximately 231,040 m^2 (57.1 acres) currently consisting of vacant open space. A Site location plan is provided in Figure 1. The Site is bounded by vacant lands to the south, Residential properties and Badenoch Street to the north, residential buildings to the west and a mixed residential and agricultural property to the east.

Based on a review of the Draft Plan of Subdivision, drawing D14 dated June 9, 2024, prepared by Weston Consulting, it is understood that the proposed development would include a residential subdivision proposed within the north portion of the Site. The proposed subdivision consists of 21 single detached dwellings, a storm water management block, and internal roadways. Plan review indicates that residential lots will range in size from 0.197 ha to 0.382 ha. It is understood that each proposed dwelling will rest on a single basement level extending to the footprint of the proposed building.

The proposed development will be privately serviced with individual groundwater supply wells, and individual subsurface sewage disposal systems. An assessment of septic impacts resulting from the proposed development have been assessed under separate cover, as part of the report titled: *Hydrogeological Assessment, Proposed Residential Development, 11 Main Street, Puslinch, Ontario, prepared by Englobe, dated August 28, 2024, project reference T1220482.003*.

2.0 Scope of Work

The following scope of work was carried out as part of the test well drilling and aquifer testing program:

- *Test Well Drilling Program* - In accordance with Procedure D-5-5 a series of three test wells were drilled across the Site. Test wells were sited in the field within proposed residential Lots 5, 12, and 14. Wells were installed by a licensed well drilling contractor in compliance with O. Reg. 903.

- *Private Well Survey* – A private well survey was completed for properties within a 250 m radius of the property limits. A private well survey was completed to notify residents and property owners about the completed well testing and to request permission to monitor and sample private wells over the duration of well testing. The survey was also completed to obtain an operational history of private well in use, including past water quantity issues, and any issues with water quality, and to determine the construction of private wells including the depth, type, location, and pump details.

- *Aquifer Testing* – Aquifer tests were conducted for the completed test wells. Testing was completed as a constant rate test at the rate of 37.8 L/min over the duration of 6 hours to confirm adequate groundwater supply for residential demand. An individual test was completed for test well TW1, followed by cumulative testing for the three installed test wells.

- *Groundwater Monitoring Program* – Groundwater monitoring was carried out in advance of the start and throughout the completed aquifer testing. Monitoring included the completed test wells, if not used as a pumping well, on-site 50 mm diameter monitoring wells, and off-site private wells where permission was provided by the property owner and wells were accessible.

- *Groundwater Quality Sampling* – Groundwater quality sampling was completed for Schedule 1 and partial Schedule 2 of the Ontario Drinking Water Standards (O. Reg. 169/03). Full Schedule 2 analysis was completed for one of the test wells installed on-site. Groundwater quality sampling was completed for private groundwater supply wells prior to and following completion of aquifer testing for nitrate, phosphorus, sodium, chloride, and e-coli.

The results of the above completed scope are provided herein with analysis of the results of aquifer testing and servicing recommendations for the proposed residential development based on the results of completed testing.

3.0 Local Geology and Hydrogeology

The Site is located within physiographic regions of Southern Ontario known as the Horseshoe Moraines (within the north, central, and west portions) and partially in Flamborough Plain (within the southeast and east portions). The Horseshoe Moraines within the vicinity of the Site comprises a Till Moraines, and Flamborough Plain consists of Limestone Plains physiographic feature.

The Horseshoe Moraines consist of the largest concentration of sand and gravel in Southern Ontario. Structurally, within the southwestern portion of the region, the Horseshoe Moraines consist of two to three morainic ridges composed of pale brown, hard, calcareous, fine-textured till, with moderate degrees of stoniness (Chapman and Putnam, 1984).

The major underlying geologic units consist of grey coloured limestone/dolostone of the Guelph Formation followed by brown to black limestone/dolostone of the Amabel Formation, white and gray sandstones and shale of the Clinton and Cataract Groups and red shale of the Queenston Formation.

The Guelph formation is characterized with a relatively massive dolostone cap rock, followed by fractures water bearing limestones. The Guelph formation is expected to provide a confined to semi-confined groundwater aquifer. The underlying Amabel Formation also provides a water bearing aquifer for local residential and agricultural uses. It is expected that the contact between the Guelph and Amabel Formations consists of a highly fractured contact providing adequate water quantity and quality for residential use. Underlying sandstones of the Clinton/Cataract Group and shale of the Queenston Formation are not used for water supply.

The Site is located within Bronte Creek Watershed within the jurisdiction of Conservation Halton. The headwaters of the Bronte Creek are generated to the northwest of the Site and flows southeasterly direction crossing the southwest portion of the Site. Record review indicates that there are wetland features and wooded areas near the Site. Records of wetland features, evaluated provincial as per Ontario Wetland Evaluation System (OWES), are scattered around the Site with a closest record (Beverly Swamp Wetland Complex) mapped near the southwest limits of the Site (approximately 260 m away from the Site boundary).

4.0 Results of Test Well Drilling

Test wells were installed by Aardvark Drilling and are summarized in the following table:

Summary of Installed Test Wells

	Well Tag ID	Easting	Northing	Ground Elevation (m)	Well Depth (m)	Bedrock Depth (m)	Screened Depth (m)
TW1	A321825	571820	4811152	322.5	29.6 (292.9)	22.9 (299.6)	23.2 - 29.6
TW2	A399867	571941	4811252	316.4	22.6 (293.8)	18.9 (297.5)	19.2 - 22.6
TW3	A321827	571882	4811001	316.1	30.8 (285.3)	28.0 (285.3)	28.3 - 30.8

Test wells were all completed within limestone bedrock (Guelph Formation) with well casings grouted approximately 0.3 m within bedrock followed by open hole to the completed depth. Well records for the completed test wells are included in the attached Appendix A, well locations are provided on the site plan included under Appendix B. All wells were grouted approximately 0.3 m into limestone bedrock. Overburden deposits were reported to consist of sand to sand and gravel overlying clay and gravel deposits and limestone bedrock.

5.0 Summary of Aquifer Testing

The following sections provide a summary of the field work completed as part of the aquifer testing for the above noted test wells.

5.1 Private Well Survey and Well Monitoring Program

A private well survey was completed through a letter distributed to all properties within a 250 m radius of the site. The letter provided the purpose of the well survey, detailed of the proposed

development, and timing for the aquifer testing and contact information should the resident wish to participate in the monitoring program.

It is understood that residential properties surrounding the Site are privately serviced, and that municipal water and sewer services are not currently available within to village of Morriston.

The following table provides a summary of the addresses who responded to the well survey and participated within the monitoring program carried out as part of the aquifer testing based on well records available for each address. Well records are included in the attached Appendix A.

Summary of Monitored Private Wells

	Well ID	Easting	Northing	Ground Elevation (m)	Well Depth (m)	Bedrock Depth (m)	Screened Depth (m)
12 Main St.	6709771	571607	4810941	319.4	27.4 (292.0)	24.1 (295.3)	24.1 - 27.4
17 Badenoch St.	6709100	571546	4811115	329.5	32.0 (297.5)	27.4 (302.1)	27.7 - 32.0
	7342709	571543	4811107		Well Casing Extension		
2.118 Badenoch St.	6708922	571 574	4811073	329.2	33.8 (295.4)	31.7 (297.5)	31.7 - 33.8
7501 Wellington Rd. 36	6714759	571775	4811241	324.9	30.5 (295.4)	27.0 (297.9)	27.0 - 30.5

In addition to the above noted private off-site monitoring wells four completed 50 mm diameter monitoring wells completed on-site were monitored as part of the completed monitoring program. Borehole logs are included in the attached Appendix A. These well locations are summarized in the following table:

Summary of On-Site Monitoring Wells

	Easting	Northing	Ground Elevation (m)	Well Depth (m)	Screened Materials	Screened Depth (m)
MW1	572000	4811253	313.0	6.6 (306.4)	Silty Sand/Clayey Silt	3.6 - 6.6
MW2	571881	4811204	318.2	7.6 (310.6)	Silty Sand to Sand and Silt	6.1 - 7.6
MW3	571901	4811091	317.1	7.6 (309.5)	Silty Sand to Sand and Silt	4.6 - 7.6
MW5	571785	4810955	316.8	6.1 (310.7)	Gravelly Silty Sand	4.6 - 6.1

The above summarized well locations were monitored manually in advance of the start of, during and following completed aquifer testing. The following tale provides a summary of the distances between each test well and monitoring locations included as part of the monitoring program:

Distance to	TW1	TW2	TW3
MW1	210 m	60 m	280 m
MW2	80 m	80 m	200 m
MW3	100 m	170 m	90 m
MW5	200 m	340 m	110 m
12 Main St.	300 m	460 m	290 m
17 Badenoch St.	275 m	420 m	360 m
18 Badenoch St.	260 m	405 m	330 m
7501 Wellington Rd. 36	100 m	170 m	270 m
TW1	N/A	160 m	160 m
TW2	160 m	N/A	260 m
TW3	160 m	260 m	N/A

The private well located at the municipal address of 17 Badenoch Street was monitored through the installation of a data logger by the resident. The results of monitoring were not available at

the time of reporting. Groundwater quality samples were obtained from a tap bypassing treatment system(s) in use for the residence as summarized in Section 5.3 below.

5.2 Results of Aquifer Testing

Aquifer testing was carried out as constant rate tests with each test well pumped at a rate of approximately 37.8 L/min over the duration of 6 hours. Aquifer testing was completed for TW1 on October 7, 2024, and testing on October 8, 2024, was completed for TW2 and TW3 consecutively. The volume of groundwater pumped from each test well over the duration of testing was approximately 13,608 L. A cumulative total of 40,824 L was pumped from TW1, TW2, and TW3 on October 8, 2024.

Discharge during pumping was directed approximately 10 m from each well head. Each discharge location was monitored over the duration of pumping to confirm discharged groundwater was draining away from the wellhead and was not resulting in ponding or erosion.

Groundwater levels were manually measured within pumping wells over the duration of testing, and selected monitoring wells were monitored prior to the start of testing and at the end of pumping. Available drawdown was summarized based on pump depth information provided within well records for wells included within the monitoring program. The following table provides a summary of measured groundwater levels and observed drawdown for aquifer testing completed on October 7, 2024.

Summary of Groundwater Monitoring – October 7, 2024

Location	Static Groundwater Depth (m)	Final Groundwater Depth (m)	Total Drawdown (m)	Height of Pump from Bottom (m)	Available Drawdown (m)	% Available Drawdown
TW1	9.36	9.60	0.24	1.5	18.74	1.3
TW2	7.20	7.41	0.21	1.5	13.90	1.5
MW3	5.40	5.60	0.20	n/a	2.20	9.1
12 Main	6.85	6.45	+0.40	0.9	19.65	Nil
18 Badenoch	17.34	17.30	+0.04	1.2	15.26	Nil
7501 WR 36	16.66	16.60	+0.06	5.5	8.34	Nil

Aquifer testing for TW1 was completed on October 7, 2024, with manual groundwater measurements obtained prior to the start and at the end of pumping for the following wells: TW2, MW3, 12 Main Street, 18 Badenoch Street, and 7501 Wellington Road 36. A reduction of approximately 1.5% of available drawdown was observed within TW1 over the duration of testing. Drawdown was not observed within off-site private wells monitored, with drawdown observed on-site for TW2 (160 m from pumping well), and MW3 (100 m from pumping well) of approximately 0.2 m.

Summary of Groundwater Monitoring – October 8, 2024

Location	Static Groundwater Depth (m)	Final Groundwater Depth (m)	Total Drawdown (m)	Height of Pump from Bottom (m)	Available Drawdown (m)	% Available Drawdown
TW2	7.28	7.65	0.37	1.5	13.82	2.7
TW3	9.63	12.16	2.53	1.5	19.67	12.9
MW1	5.73	5.81	0.08	n/a	0.87	9.2

Aquifer testing for TW2 and TW3 was completed concurrently on October 8, 2024, with monitoring completed prior to and at the end of testing for MW1. Additional monitoring was competed for on-site wells MW3 and MW5, and private wells at 12 Main Street, 18 Badenoch Street, and 7501 Wellington Road 36. Monitoring for these wells was completed prior to the start of testing, however further groundwater monitoring was not completed by the on-site technicians.

Recovery within each of the three tested wells was observed within one minute of the completion of testing to a minimum of 95% of observed static groundwater conditions prior to the start of testing.

The results of pumping tests and measured groundwater depths are provided in the attached Appendix B. A discussion regarding the analysis of the results of aquifer testing is provided under Section 6.0 below.

The following table provides a summary of the observed drawdown during aquifer testing completed on October 8, 2024.

5.3 Results of Groundwater Quality Sampling

Groundwater quality sampling was completed for installed test wells and off-site private monitoring wells during the conducted aquifer testing the following sampling regimen was completed as part of the aquifer testing:

- Private Off-Site Wells 12 Main, 17 and 18 Badenoch, and 7501 Wellington Rd 36: **E-coli, nitrate, nitrite, and sodium**. Samples were taken on October 7 prior to the start of testing with additional samples taken on October 8, 2024, prior to the end of testing.
- Test Wells TW1, TW2, and TW3: **O. Reg. 169/03 Schedule 1, Partial Schedule 2 (metals, inorganics)**, three samples were obtained over the duration of testing for each well.
- Additional Sampling for TW2: **Full O. Reg. 169/03 Schedule 2** sampling was completed on October 31, 2024.

All groundwater samples were collected in laboratory supplied bottles appropriate for the analysis completed (i.e., preservative, glass jar/plastic bottle) and stored on ice for transport to Agart Laboratories of Mississauga, ON, a CALA Accredited third party laboratory, for analysis. Sample temperatures were confirmed within acceptable ranges upon receipt at the laboratory. Sampling notation for on-site test wells is noted as follows: TW1 (BH2), TW2 (BH1), and TW3 (BH4).

5.3.1 Results of Private Groundwater Sampling

Groundwater samples from off-site private wells were sampled from an outside tap that was identified to bypass any water treatment systems in use and should be considered indicative of raw water quality. The tap was left running for approximately 5 minutes to purge standing water from within the distribution system (i.e. pressure tanks/water lines) prior to sampling.

The following table provides a summary of the results of private well sampling:

	Units	12 Main St.		17 Badenoch St.		18 Badenoch St.		7501 Wellington Rd 36	
		7-Oct	8-Oct	7-Oct	8-Oct	7-Oct	8-Oct	7-Oct	8-Oct
E-coli	CFU/100 mL	0	0	0	0	0	0	0	0
Total Coliforms	CFU/100mL	29	29	0	0	35	65	0	0
Nitrate	mg/L	2.75	3.02	0.79	1.01	2.86	3.11	3.14	3.43
Nitrite	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Sodium	mg/L	73.1	73.4	56.1	59.3	73.2	72.7	77.7	78.1

Private wells were sampled for e-coli/total coliforms, nitrate/nitrite, and sodium to evaluate baseline groundwater quality with respect to potential contaminants from sewage disposal and local land use practices, including the potential for mobilization of contaminants with regards to water taking at the Site. The results of sampling did not result in substantial increases in concentrations of sampled parameters. Groundwater quality results of private off-site wells are provided within the laboratory certificates of analysis included as Appendix C.

5.3.2 Results of On-Site Groundwater Sampling

Groundwater samples from on-site test wells were taken during testing following approximately 1 hour, 3 hours, and 6 hours into completed constant rate tests. Full Schedule 2 testing was completed at TW2 on October 31, 2024. Testing was completed using the test pump installed for aquifer testing. The well was pumped for approximately one hour at 37.7 L/min and samples were collected from the discharge outlet.

Summary tables are included within the provided enclosures summarizing the results of groundwater quality analysis for TW1, TW2, and TW3. In summary health related standards exceedances was noted for total coliform only. Of the results, low levels of total coliform were detected at 1 CFU/100 mL within TW2, concentrations of 9 CFU/100 mL were observed within the first sample of TW1 with the following samples non-detect. Wells were chlorinated in advance of aquifer testing. A field colourimeter (HATCH 890) was utilized to confirm a zero-chlorine residual prior to collecting the first set of samples for microbiology.

Groundwater quality sampling indicated groundwater is elevated for hardness, between 378 mg/L to 453 mg/L (operational objective limit 18-100 mg/L), and total dissolved solids between 544 mg/L to 734 mg/L (aesthetic objective of 500 mg/L) for each test well. Groundwater sampling indicated total iron concentrations (aesthetic objective of 0.300 mg/L) within sample 1 at 0.574 mg/L falling to 0.340 mg/L by the end of testing, and total colour (aesthetic objective of 5 TCU) within sample 1 at 13.1 TCU falling to 9.64 TCU by the end of testing. Sample 1 for TW3 had an measured pH of 4.65 (operational limit between 6.5 to 8.5) and TW2, sample 2 measured total manganese at 0.051 mg/L (aesthetic objective of 0.05 mg/L).

Further to the above sampling additional groundwater sampling was completed from TW2 for full O. Reg. 169/03 Schedule 2 sampling including herbicides, pesticides, VOC, PCB, metals, and inorganics. Exceedances under the O. Reg. 169/03 Schedule 2 sampling were not noted with non-detectable results for herbicides, pesticides, PCB, and VOC. Certificates of analysis are included within Appendix C. It is noted that the attached results for O. Reg. 169/03 sampling from TW2 are considered a partial analysis with pending results for Dioxins and Furans, and Nitrilotriacetic Acid, Nitrosodimethylamine and Microcystin. These results will be provided as an addendum once available.

6.0 Analysis and Discussion

6.1 Site Hydrogeological Function

The hydrogeological function of the site was evaluated as part of previous investigations completed for the Site. The hydrogeological function of the site to provide recharge for shallow groundwater, with groundwater discharge expected to Bronte Creek, and associated tributaries and wetland areas. Bedrock for the Guelph formation is expected to form a confined to semi-confined aquifer underlying surficial sands and clayey silt soils.

6.2 Drawdown Assessment

Semi-log time vs. drawdown plots were completed for the three test wells and a Theis analysis was completed for water level information recorded over the duration of the aquifer testing. Analysis was completed using Aquifer Test software licenced by Waterloo Hydrogeologic. Aquifer testing analysis is provided in the attached Appendix B.

The following table provides a summary of the results of analysis and the expected aquifer properties for the shallow bedrock aquifer, consisting of limestones from the Guelph Formation:

	Hydrualic Conductivity (m/s)	Transmissivity (m^2/s)	Storativity
TW1	8.3×10^{-5}	1.0×10^{-3}	1.0×10^{-4}
TW2	5.6×10^{-5}	1.0×10^{-3}	1.0×10^{-4}
TW3	5.9×10^{-5}	1.0×10^{-3}	1.0×10^{-4}

Based on the above aquifer properties determined for the shallow bedrock aquifer a drawdown assessment was completed for proposed groundwater taking considering peak residential demand under Procedure D-5-5 which states that per person water demand of 450 L/day is considered for residential use with a peak demand period of 3.75 L/min per person over a period of 120 minutes. Given a four-bedroom dwelling (number of residents equal to the number of bedrooms plus one) would be expected at 2,250 L, with a peak demand rate of 18.75 L/min. the drawdown assessment considered a rate of water taking of 18.75 L/min (3.1×10^{-4} m^3/s).

Based on the completed drawdown assessment the expected drawdown for pumping at a rate of 18.75 L/min is expected to result in a total drawdown of approximately 0.28 m to 0.17 m for distances extending from 100 m to 900 m from the wellhead. Since residential water taking is

proposed to be intermittent based on demand it is expected that impacts because of water taking will be negligible. Conceptual drawdown curves were plotted following the completed Theis analysis and evaluated aquifer properties and is provided in the attached Appendix B.

6.3 Potential Impacts on Water Quality

Water quality analysis was completed to assess the potability of groundwater available for private water servicing and to assess the potential for mobilization of potential groundwater contamination due to the additional water taking for the proposed residential development. Given the rural residential setting of the site surrounding groundwater contamination is expected from surrounding private subsurface sewage disposal, with primary parameters for concern being nitrate, e-coli, and sodium.

Full O. Reg. 169/03 analysis indicated non-detectable concentrations for all measured herbicides, pesticides, and hydrocarbons. Land uses are not identified as potentially contaminating with regards to these parameters. Nitrate impacts to groundwater sampled from within bedrock wells were observed to have non-detectable levels of e-coli bacteria. While low levels of total coliform bacteria were detected, it is expected that through on-going well maintenance, including routine disinfection of the water distribution system or water treatment methodology, including UV filtration that total coliform concentrations can be effectively managed.

It is expected that clayey silt deposits noted overlying bedrock deposits will provide a level of geologic isolation for groundwater within bedrock from surficial land use practices. Concentrations of measured parameters both within on-site completed test wells and off-site monitored private wells, did not notably degrade over the duration of aquifer testing.

Groundwater is considered suitable for residential use, exceedances of operational objectives and aesthetic parameters of the Ontario Drinking Water Standards were noted for hardness and total dissolved solids with exceedances noted for total iron, total manganese, and colour. These parameters are considered reasonably treatable through commercial treatment including water softeners and membrane filtration. Sodium was noted within completed test wells at concentrations above 20 mg/L, which should be noted for those patients with cardiac issues including hypertension and relayed to health care practitioners for consideration for sodium restricted diets.

6.4 Servicing Recommendations

Based on the results of the completed test well drilling and aquifer testing program it is recommended that wells for proposed lots be drilled within the shallow bedrock where suitable groundwater yield is encountered. It is expected that the shallow limestone bedrock will provide suitable groundwater yield and quality of residential demand. Significant interference effects between wells are not expected, with drawdown ranging from 0.24 m to 2.0 m within test wells at a constant rate of 37.8 L/min. Given the expected peak demand for a four-bedroom dwelling of 18.75 L/min significant impacts because of water taking are not expected.

7.0 Summary and Conclusions

The following provide a summary of the results of aquifer testing, monitoring, sampling and analysis, including recommendations for water servicing for the proposed residential development:

- It is understood that the proposed development would include a residential subdivision proposed within the north portion of the Site. The proposed subdivision consists of 21 privately serviced single detached dwellings, a storm water management block, and internal roadways.
- The Site is located within physiographic regions of Southern Ontario known as the Horseshoe Moraines and partially in Flamborough Plain. The Horseshoe Moraines within the vicinity of the Site comprises a Till Moraines, and Flamborough Plain consists of Limestone Plains physiographic feature.
- The major underlying geologic units consist of grey coloured limestone/dolostone of the Guelph Formation followed by brown to black limestone/dolostone of the Amabel Formation, white and gray sandstones and shale of the Clinton and Cataract Groups and red shale of the Queenston Formation. The supply aquifer for the test well program was the Guelph Formation.
- A series of three test wells were installed across the site within limestone bedrock to depths between 22.6 m to 30.8 m below existing grades. Constant rate testing was completed for each well at a rate of 37.8 L/min over 6 hours. Testing for TW1 was completed on October 7, 2024, with testing for TW2 and TW3 completed concurrently on October 8, 2024.
- Drawdown within pumping wells over the duration of testing was observed to range between 0.24 m to 2.53 m. Observed drawdown resulted in a reduction of between 1% to 12% of the available drawdown within test wells.
- Groundwater quality sampling was completed over a series of three sampling events during each respective pumping test for microbiology, metals and inorganic parameters of the Ontario Drinking Water Standards. Low levels of total coliform were noted within TW1 (1 CFU/100 mL) over the duration of testing.
- Exceedances of the operational guidelines and aesthetic objectives were noted for hardness, total dissolved solids, total iron, total manganese, and colour. These exceedances are reasonably treatable using commercially available treatment units.
- Private well sampling was completed for e-coli, nitrate, nitrite, and sodium. Total coliform was detected within two of the sampled private wells, considered due to well maintenance and disinfection requirements. Private water quality was noted consistent between sampling events prior to and following completion of aquifer testing. Significant degradation of water quality with testing was not observed.
- A drawdown assessment was completed using evaluated aquifer parameters given the expected drawdown for pumping at a rate of 18.75 L/min. It is expected that water taking will result in a total drawdown of approximately 0.28 m to 0.17 m for distances extending

from 100 m to 900 m from the wellhead. Since residential water taking is proposed to be intermittent based on demand it is expected that impacts because of water taking will be negligible.

- Based on the results of the completed test well drilling and aquifer testing program it is recommended that wells for proposed lots be drilled within the shallow bedrock where suitable groundwater yield is encountered. It is expected that groundwater will provide adequate yield and quality for residential demand with negligible impacts to existing private residential supply wells.

If you require additional information, please do not hesitate to contact the undersigned.

Yours very truly,

Englobe Corp.

Paul Raepple, P.Geo.
Senior Hydrogeologist

ENCLOSURES

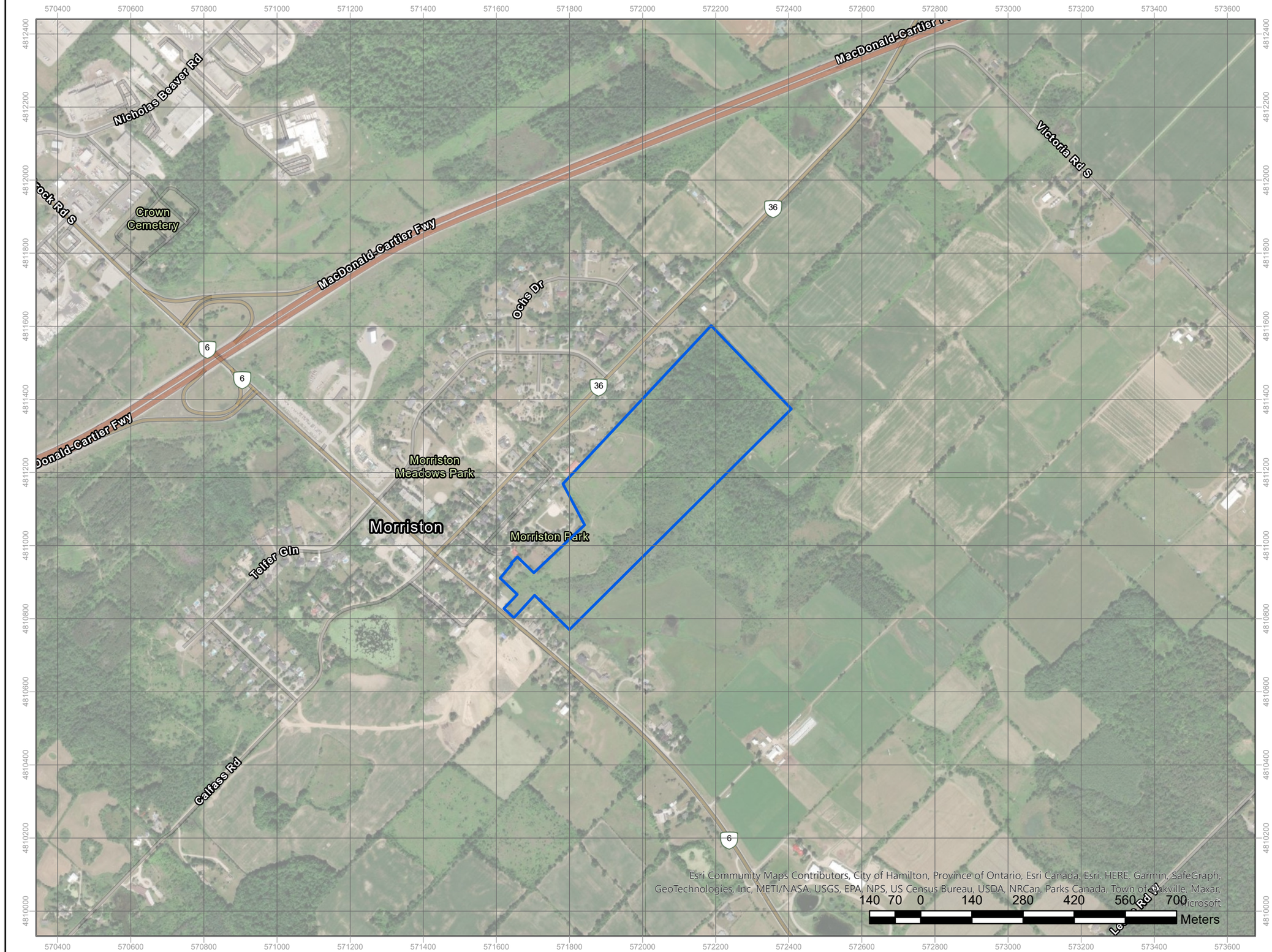
Figure 1: Site Location Plan

Table 1: Summary of On-Site Groundwater Quality Analysis

Appendix A: Well Records
Appendix B: Aquifer Testing Analysis
Appendix C: Laboratory Certificates of Analysis

Enclosures

ENGLOBE

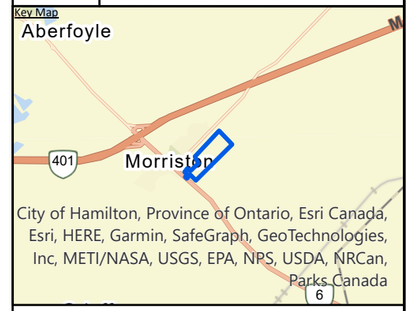


Terraprobe Inc.
Consulting Geotechnical & Environmental Engineering
Construction Materials, Inspection & Testing

References:

ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/ Airbus Ds, USDA, USGS, AeroGRID, IGN, and the GIS User Community.Basemaps

Key Map



Notes:

Legend:

Approximate Site Boundary

Project Title:
Hydrogeological Assessment

Site Location:
11 Main Street, Puslinch, Ontario

Figure Title:
Site Location Plan

Designed By: RG	*File No.:* 1-22-0482-46
Drawn By: SSK	*Scale:* As Shown
Reviewed By: BW	*Figure No.:* 1
Date: October 2022	

Table 1: Results of Groundwater Quality Analysis
Test Well TW1
Proposed Residential Subdivision
11 Main Street
Puslinch, Ontario

Sample Description				BH2-10:30	BH2-12:30	BH2-2:15
Date Sampled				10/07/2024	10/07/2024	10/07/2024
Parameter	Unit	MAC	AO/OG	6211035	6211036	6211037
Inorganics						
Electrical Conductivity	µS/cm			1250	1240	1240
pH	pH Units		6.5-8.5	7.85	7.86	7.81
Hardness (as CaCO3) (Calculated)	mg/L		80-100	453	439	449
Total Dissolved Solids	mg/L		500	734	730	700
Alkalinity (as CaCO3)	mg/L		30-500	320	334	329
Fluoride	mg/L	1.5		<0.05	<0.05	<0.05
Chloride	mg/L		250	193	190	190
Nitrate as N	mg/L	10.0		1.74	1.82	1.88
Nitrite as N	mg/L	1.0		<0.05	<0.05	<0.05
Bromide	mg/L			<0.05	<0.05	<0.05
Sulphate	mg/L		500	34.4	34.3	34.4
Ortho Phosphate as P	mg/L			<0.10	<0.10	<0.10
Ammonia as N	mg/L			<0.02	<0.02	<0.02
Total Phosphorus	mg/L			<0.02	<0.02	<0.02
Total Organic Carbon	mg/L		5	0.8	0.8	0.7
Apparent Colour	TCU		5	3.21	2.7	<2.50
Turbidity	NTU		5	0.9	0.8	0.6
Total Calcium	mg/L			118	113	116
Total Magnesium	mg/L			38.5	38	38.8
Total Potassium	mg/L			1.82	1.4	1.86
Total Sodium	mg/L		20/200	90.2	86.8	87.6
Total Metals						
Total Aluminum	mg/L		0.1	0.011	<0.010	0.017
Total Antimony	mg/L	0.006		<0.003	<0.003	<0.003
Total Arsenic	mg/L	0.025		<0.003	<0.003	<0.003
Total Barium	mg/L	1		0.191	0.188	0.191
Total Beryllium	mg/L			<0.001	<0.001	<0.001
Total Boron	mg/L			0.019	0.017	0.017
Total Cadmium	mg/L	0.005		0.0002	0.0003	<0.0001
Total Chromium	mg/L			<0.003	<0.003	<0.003
Total Cobalt	mg/L			<0.0005	<0.0005	<0.0005
Total Copper	mg/L		1	<0.002	<0.002	<0.002
Total Iron	mg/L		0.3	0.214	0.078	0.062
Total Lead	mg/L	0.01		0.004	0.0029	0.003
Total Manganese	mg/L		0.05	0.003	<0.002	<0.002
Total Mercury	mg/L			<0.0001	<0.0001	<0.0001
Total Molybdenum	mg/L			<0.002	<0.002	<0.002
Total Nickel	mg/L			0.003	<0.003	<0.003
Total Selenium	mg/L	0.01		<0.002	<0.002	<0.002
Total Silver	mg/L			<0.0001	<0.0001	<0.0001
Total Strontium	mg/L			0.143	0.146	0.151
Total Thallium	mg/L			<0.0003	<0.0003	<0.0003
Total Tin	mg/L			<0.002	<0.002	<0.002
Total Titanium	mg/L			<0.010	<0.010	<0.010
Total Tungsten	mg/L			<0.010	<0.010	<0.010
Total Uranium	mg/L	0.02		0.0009	0.0009	0.0009
Total Vanadium	mg/L			<0.002	<0.002	<0.002
Total Zinc	mg/L		5	0.317	0.329	0.303
Total Zirconium	mg/L			<0.004	<0.004	<0.004
Microbiology						
Escherichia coli	CFU/100mL	0		0	0	0
Total Coliforms	CFU/100mL	0		1	1	1

Table 1: Results of Groundwater Quality Analysis
Test Well TW2
Proposed Residential Subdivision
11 Main Street
Puslinch, Ontario

Sample Description				BH1-10:30	BH1-12:30	BH1-2:30
Date Sampled				10/08/2024	10/08/2024	10/08/2024
Parameter	Unit	MAC	AO/OG	6211018	6211033	6211034
Inorganics						
Electrical Conductivity	µS/cm			1180	1180	1180
pH	pH Units		6.5-8.5	7.8	7.78	7.79
Hardness (as CaCO3) (Calculated)	mg/L		80-100	433	430	434
Total Dissolved Solids	mg/L		500	680	694	684
Alkalinity (as CaCO3)	mg/L		30-500	319	329	321
Fluoride	mg/L	1.5		<0.05	<0.05	<0.05
Chloride	mg/L		250	171	175	173
Nitrate as N	mg/L	10.0		0.94	0.92	0.88
Nitrite as N	mg/L	1.0		<0.05	<0.05	<0.05
Bromide	mg/L			<0.05	<0.05	<0.05
Sulphate	mg/L		500	36.7	37.6	37.3
Ortho Phosphate as P	mg/L			<0.10	<0.10	<0.10
Ammonia as N	mg/L			<0.02	<0.02	<0.02
Total Phosphorus	mg/L			<0.02	<0.02	<0.02
Total Organic Carbon	mg/L		5	0.6	0.6	0.7
Apparent Colour	TCU		5	3.59	<2.50	<2.50
Turbidity	NTU		5	1.4	1.8	1.5
Total Calcium	mg/L			111	111	111
Total Magnesium	mg/L			37.8	37.2	38
Total Potassium	mg/L			1.89	2.2	2.22
Total Sodium	mg/L		20/200	78	77.1	77.2
Total Metals						
Total Aluminum	mg/L		0.1	0.029	<0.010	<0.010
Total Antimony	mg/L	0.006		<0.003	<0.003	<0.003
Total Arsenic	mg/L	0.025		<0.003	<0.003	<0.003
Total Barium	mg/L	1		0.194	0.191	0.187
Total Beryllium	mg/L			<0.001	<0.001	<0.001
Total Boron	mg/L			0.025	0.024	0.022
Total Cadmium	mg/L	0.005		0.0001	0.0002	<0.0001
Total Chromium	mg/L			<0.003	<0.003	<0.003
Total Cobalt	mg/L			<0.0005	<0.0005	<0.0005
Total Copper	mg/L		1	<0.002	<0.002	<0.002
Total Iron	mg/L		0.3	0.093	0.063	0.063
Total Lead	mg/L	0.01		<0.0005	<0.0005	<0.0005
Total Manganese	mg/L		0.05	0.048	0.051	0.045
Total Mercury	mg/L			<0.0001	<0.0001	<0.0001
Total Molybdenum	mg/L			<0.002	<0.002	0.006
Total Nickel	mg/L			<0.003	0.004	0.008
Total Selenium	mg/L	0.01		<0.002	<0.002	<0.002
Total Silver	mg/L			<0.0001	<0.0001	<0.0001
Total Strontium	mg/L			0.135	0.16	0.149
Total Thallium	mg/L			<0.0003	<0.0003	<0.0003
Total Tin	mg/L			<0.002	<0.002	<0.002
Total Titanium	mg/L			<0.010	<0.010	<0.010
Total Tungsten	mg/L			<0.010	<0.010	<0.010
Total Uranium	mg/L	0.02		0.001	0.001	0.001
Total Vanadium	mg/L			<0.002	<0.002	<0.010
Total Zinc	mg/L		5	0.215	0.207	0.204
Total Zirconium	mg/L			<0.004	<0.004	<0.004
Microbiology						
Escherichia coli	CFU/100mL	0		0	0	0
Total Coliforms	CFU/100mL	0		9	0	0

Table 1: Results of Groundwater Quality Analysis
Test Well TW3
Proposed Residential Subdivision
11 Main Street
Puslinch, Ontario

Sample Description					BH4-1HR	BH4-3HR	BH4-5HR
Date Sampled					10/08/2024	10/08/2024	10/08/2024
Parameter	Unit	MAC	AO/OG	G / S	6211087	6211088	6211089
Inorganics							
Electrical Conductivity	µS/cm				970	963	967
pH	pH Units		6.5-8.5		4.65	7.79	7.77
Hardness (as CaCO3) (Calculated)	mg/L		80-100		393	387	378
Total Dissolved Solids	mg/L		500		554	564	544
Alkalinity (as CaCO3)	mg/L		30-500		299	301	310
Fluoride	mg/L	1.5			<0.05	<0.05	<0.05
Chloride	mg/L		250		108	106	105
Nitrate as N	mg/L	10.0			0.79	0.73	0.72
Nitrite as N	mg/L	1.0			<0.05	<0.05	<0.05
Bromide	mg/L				<0.05	<0.05	<0.05
Sulphate	mg/L		500		38.6	38.1	37.7
Ortho Phosphate as P	mg/L				<0.10	<0.10	<0.10
Ammonia as N	mg/L				<0.02	<0.02	<0.02
Total Phosphorus	mg/L				<0.02	<0.02	<0.02
Total Organic Carbon	mg/L		5		0.70	0.70	0.70
Apparent Colour	TCU		5		13.1	10.4	9.64
Turbidity	NTU		5		1.80	1.70	1.10
Total Calcium	mg/L				97.0	94.9	93.2
Total Magnesium	mg/L				36.6	36.4	35.3
Total Potassium	mg/L				1.40	1.34	1.60
Total Sodium	mg/L		20/200		47.8	46.7	45.5
Total Metals							
Total Aluminum	mg/L		0.1		<0.010	<0.010	<0.010
Total Antimony	mg/L	0.006			<0.003	<0.003	<0.003
Total Arsenic	mg/L	0.025			<0.003	<0.003	<0.003
Total Barium	mg/L	1			0.24	0.22	0.20
Total Beryllium	mg/L				<0.001	<0.001	<0.001
Total Boron	mg/L				0.03	0.02	0.02
Total Cadmium	mg/L	0.005			0.00	<0.0001	<0.0001
Total Chromium	mg/L				<0.003	<0.003	<0.003
Total Cobalt	mg/L				<0.0005	<0.0005	<0.0005
Total Copper	mg/L		1		<0.002	<0.002	0.01
Total Iron	mg/L		0.3		0.57	0.45	0.34
Total Lead	mg/L	0.01			0.00	0.00	0.00
Total Manganese	mg/L		0.05		0.01	0.01	0.01
Total Mercury	mg/L				<0.0001	<0.0001	<0.0001
Total Molybdenum	mg/L				<0.002	<0.002	<0.002
Total Nickel	mg/L				<0.003	<0.003	<0.003
Total Selenium	mg/L	0.01			<0.002	<0.002	<0.002
Total Silver	mg/L				<0.0001	<0.0001	<0.0001
Total Strontium	mg/L				0.31	0.23	0.22
Total Thallium	mg/L				<0.0003	<0.0003	<0.0003
Total Tin	mg/L				<0.002	<0.002	<0.002
Total Titanium	mg/L				<0.010	<0.010	<0.010
Total Tungsten	mg/L				<0.010	<0.010	<0.010
Total Uranium	mg/L	0.02			0.00	0.00	0.00
Total Vanadium	mg/L				<0.002	<0.010	<0.010
Total Zinc	mg/L		5		0.12	0.11	0.11
Total Zirconium	mg/L				<0.004	<0.004	<0.004
Microbiology							
Escherichia coli	CFU/100mL	0			0	0	0
Total Coliforms	CFU/100mL	0			0	0	0

Appendix A
MECP Well Records

ENGLOBE

12 Main Street

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 6709771 MUNICIP 6701 2 CON C.O.N. LOT 08

COUNTY OR DISTRICT: WELLINGTON S
TOWNSHIP BOROUGH CITY TOWN VILLAGE: PUSLINCH
CON BLOCK TRACT SURVEY ETC: CON.8
LOT: 31
[redacted] RISTON, P.O. ONT. N0B 2C0
DATE COMPLETED: DAY 8 MO 6 YR 89
RC ELEVATION RC BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND &	GRAVEL	LOOSE	0	14
BROWN	SANDY CLAY		LOOSE	14	31
BROWN	CLAY		LOOSE	31	54
GREY	SAND &	GRAVEL	LOOSE	54	79
GREY	LIMESTONE		HARD	79	90

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
81	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
87	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	1 ■ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	+2	79
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ■ OPEN HOLE 5 ☐ PLASTIC		79	90
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) | DIAMETER (INCHES) | LENGTH (FEET)
MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN (FEET)

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

71 PUMPING TEST

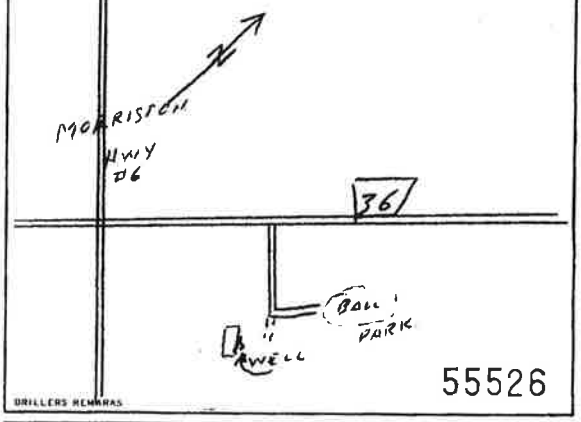
PUMPING TEST METHOD: 1 ☐ PUMP 2 ■ BAILER
PUMPING RATE: 24 GPM
DURATION OF PUMPING: 1 HOURS ___ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ■ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
24 FEET	34 FEET	24 FEET	24 FEET	24 FEET	24 FEET

IF FLOWING GIVE RATE: ___ GPM
PUMP INTAKE SET AT: ___ FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ■ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ■ DEEP
RECOMMENDED PUMP SETTING: 87 FEET
RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW



DRILLERS REMARKS: 55526

FINAL STATUS OF WELL

1 ■ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ■ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ■ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: O'CONNOR WELL DRILLING LTD.
WELL CONTRACTOR'S LICENCE NUMBER: 4005
ADDRESS: RR # 1 MILLGROVE, ONT. L0R 1V0
NAME OF WELL TECHNICIAN: J.B. O'CONNOR
WELL TECHNICIAN'S LICENCE NUMBER: T-0148
SIGNATURE OF TECHNICIAN/CONTRACTOR: J.B. O'Connor
SUBMISSION DATE: DAY ___ MO ___ YR ___

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR: 4005 | DATE RECEIVED: JUN 20 1989
DATE OF INSPECTION | INSPECTOR
REMARKS

CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO 0506 (11/86) FORM 9

17 Badenoch St.

Ontario — Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag: A 090039

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
17 Badenoch St.		30	8
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
Wellington	Morriston	Ontario	N0B2C0
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 8 3 17 517 15 43 48 11 107			

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Well Tagged & Record Generated Following Completion of Casing Extention on Previously Drilled 6" Well w 6" Steel Casing To 2ft Above Ground Surface.				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used
☑ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6"	Steel	0.188	6'8"	+2'
6"	Steel	0.188	—	6'8"

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☑ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Other, specify
	☐	☐ Fresh ☐ Untested	
	☐	☐ Fresh ☐ Untested	
	☐	☐ Fresh ☐ Untested	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

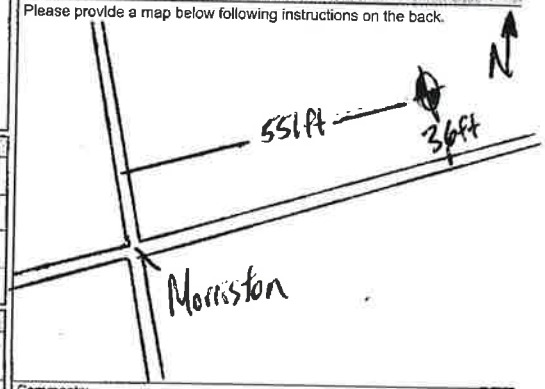
Well production (l/min / GPM)

Disinfected? ☑ Yes ☐ No

Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Well Initiatives Ltd.	7221
Business Address (Street Number/Name)	**Municipality**
15 Townline Rd	Orangeville
Province	**Postal Code**
Ont	L9W3R4
Business E-mail Address	info@wellinitiatives.com
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
5198468289	Rice, Darryl
Well Technician's Licence No.	**Signature of Technician and/or Contractor**
3923	
Date Submitted	2019 09 17

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☐ Yes ☐ No	Y Y Y Y M M D D	Audit No. Z316731
	Date Work Completed: 2019 09 10	SEP 20 2019 Received

0506E (2018/12)

Ministry's Copy

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

114/87

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 6709100 MUNICIP CON.

COUNTY OR DISTRICT: [redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Puslinch
CON. BLOCK, TRACT, SURVEY, ETC.: 8
LOT: 30
DATE COMPLETED: DAY 026 MO 011 YR 87
[redacted] ini. Lakes RR#3 Guelph, ONT.
ELEVATION: RC: BASIN CODE:

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	GRAVEL	STONES		0	30
"	CLAY	GRAVEL		30	90
"	ROCK			90	105
			TOTAL DEPTH	105	FT.

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
105	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	91
6	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		91	105
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE: [redacted]
DEPTH TO TOP OF SCREEN FEET:

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

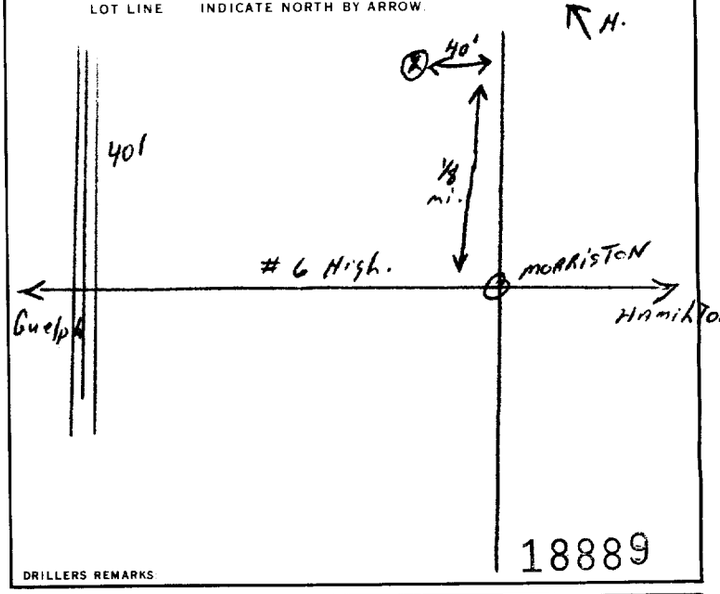
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 25 GPM
DURATION OF PUMPING: 1 HOURS ___ MINS
STATIC LEVEL: 51 FEET
WATER LEVEL END OF PUMPING: 70 FEET
WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY

15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
51 FEET	FEET	FEET	FEET

IF FLOWING, GIVE RATE: — GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 80 FEET
RECOMMENDED PUMPING RATE: 15 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



18889

DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: GRAHAM WELL DRILLING LTD.
WELL CONTRACTOR'S LICENCE NUMBER: 2336
ADDRESS: RR#5, Rockwood, ONT. N0B-2K0
NAME OF WELL TECHNICIAN: R. GRAHAM
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: R Graham
SUBMISSION DATE: DAY 030 MO 012 YR 87

OFFICE USE ONLY

DATA SOURCE:
CONTRACTOR:
DATE RECEIVED: JAN 11 1988
DATE OF INSPECTION:
INSPECTOR:
REMARKS:
CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

18 Badenoch St.

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 6708922

COUNTY OR DISTRICT: WELLINGTON S.
[redacted]
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: PUSLINCH
ORRISTON P.O.
CON. BLOCK, TRACT, SURVEY, ETC.: CON.8
LOT: 31
DATE COMPLETED: DAY 27 MO 8 YR 87

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	CLAY	SAND	LOOSE	0	5
BROWN	SAND &	GRAVEL	LOOSE	5	19
BROWN	CLAY	SAND	LOOSE	19	75
BROWN	CLAY &	SAND	PACKED	75	92
GREY	SAND &	GRAVEL	LOOSE	92	104
GREY	LIMESTONE		HARD	104	111

31
32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
109	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¢	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	1	104
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		104	111
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE/S OF OPENING (SLOT NO.) | DIAMETER INCHES | LENGTH FEET
MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

71 PUMPING TEST

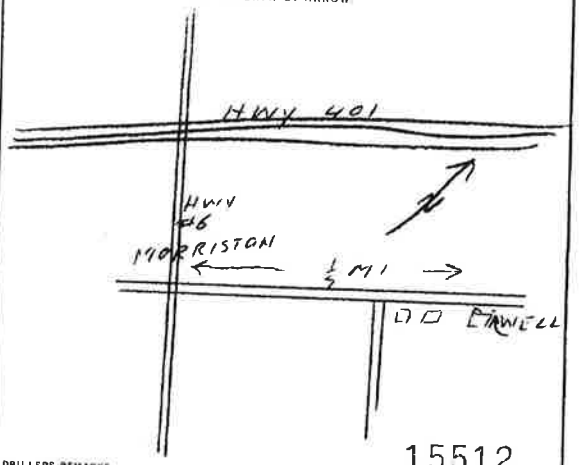
PUMPING TEST METHOD: 1 ☐ PUMP ☒ BAILER
PUMPING RATE: 24 GPM
DURATION OF PUMPING: 1 HOURS
WATER LEVELS DURING: ☐ PUMPING ☒ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
55 FEET	60 FEET	55.20 FEET	55.31 FEET	55.38 FEET	55.37 FEET

IF FLOWING GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING: 107 FEET
RECOMMENDED PUMPING RATE: 10 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS: 15512

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED 9 ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: OCONNOR WELL DRILLING LTD.
WELL CONTRACTOR'S LICENCE NUMBER: 4005
ADDRESS: RR # 1 MILLGROVE, ONT. LOR IVO
NAME OF WELL TECHNICIAN: W. HOWE
WELL TECHNICIAN'S LICENCE NUMBER:
SIGNATURE OF TECHNICIAN/CONTRACTOR: J. O'Connor
SUBMISSION DATE: DAY MO YR

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR | DATE RECEIVED: SEP 30 1987
DATE OF INSPECTION | INSPECTOR
REMARKS: CSS.ES

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/88) FORM 9

7501 Wellington Rd 36

Ontario Ministry of the Environment

90-03

Well Record

Regulation 903 Ontario Water Resources Act

Well Tag No. (Sticker below) 3, 001796

A 001 796

page ___ of ___

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

[redacted]

Address of Well Location (County/District/Municipality): WELLINGTON

Township: PUSLINCH

Lot: 31 Concession: 8

RR#/Street Number/Name: 7501 BADENOCH ST. COUNTY RD #36

City/Town/Village: MORRISTON

Site/Compartment/Block/Tract etc.

GPS Reading: NAD 83 Zone 17 Easting 0571774 Northing 4811242

Unit Make/Model: GARMIN ETREX

Mode of Operation: Undifferentiated ☐ Averaged ☒ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To
BROWN	CLAY	STONES		0	6.1
BROWN	SAND	GRAVEL		6.1	15
GREY	CLAY	GRAVEL		15	27
BROWN	ROCK			27	30.5

6" DRIVE SHOE

Hole Diameter

Depth From	Depth To	Diameter Centimetres
0	6m	22cm
6m	30.5m	16cm

Water Record

Water found at 31 Metres — Kind of Water: ☒ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other

☐ m ☐ Fresh ☐ Sulphur ☐ Gas ☐ Salty ☐ Minerals ☐ Other

After test of well yield, water was: ☒ Clear and sediment free ☐ Other, specify

Chlorinated ☒ Yes ☐ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To
Casing				
16cm	☒ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	0.5	46cm	27m.
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized	Slot No.		
No Casing or Screen				
	☒ Open hole		27m	30.5

Test of Well Yield

Pumping test method	Draw Down Time min	Draw Down Water Level Metres	Recovery Time min	Recovery Water Level Metres
Pump intake set at - (metres) 25m	Static Level	17m		
Pumping rate - (litres/min) 61	1	18m	1	18m
Duration of pumping 1 hrs + 0 min	2	18m	2	17m
Final water level end of pumping 18 metres	3	18m	3	17m
Recommended pump type ☐ Shallow ☒ Deep	4	18m	4	17m
Recommended pump depth. 25 metres	5	18m	5	17m
Recommended pump rate. (litres/min) 61	10	18m	10	17m.
If flowing give rate - (litres/min)	15	18m	15	
	20	18m	20	
	25	18m	25	
If pumping discontinued, give reason	30	18m	30	
	40	18m	40	
	50	18m	50	
	60	18m	60	

Plugging and Sealing Record

☒ Annular space ☐ Abandonment

Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0	6.1	BENTONITE	0.1

Method of Construction

☐ Cable Tool ☒ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☐ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

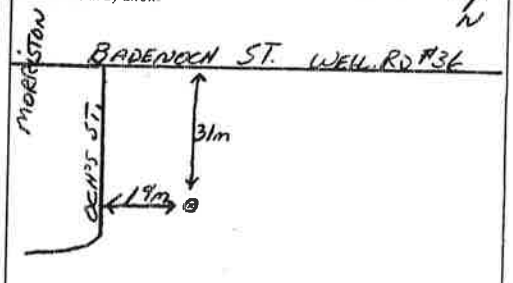
☒ Domestic ☐ Industrial ☐ Public Supply ☐ Other
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☒ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☐ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. Z 01886 Date Well Completed: YYYY 03 MM 11 DD 17

Was the well owner's information package delivered? ☒ Yes ☐ No Date Delivered: YYYY 03 MM 11 DD 19

Well Contractor/Technician Information

Name of Well Contractor: GRAHAM WELL DRILLING LTD

Well Contractor's Licence No.: 2336

Business Address (street name, number, city etc.): RR#5 ROCKWOOD, ONT. N0B-2K0

Name of Well Technician (last name, first name): WILSON Jim

Well Technician's Licence No.: T-1924

Signature of Technician/Contractor: X Jim Wilson

Date Submitted: YYYY 03 MM 12 DD 28

Ministry Use Only

Data Source: Contractor

Date Received: DEC 08 2003

Date of Inspection: YYYY 2336 MM DD

Remarks

Well Record Number: 6714759

0506E (09/03)

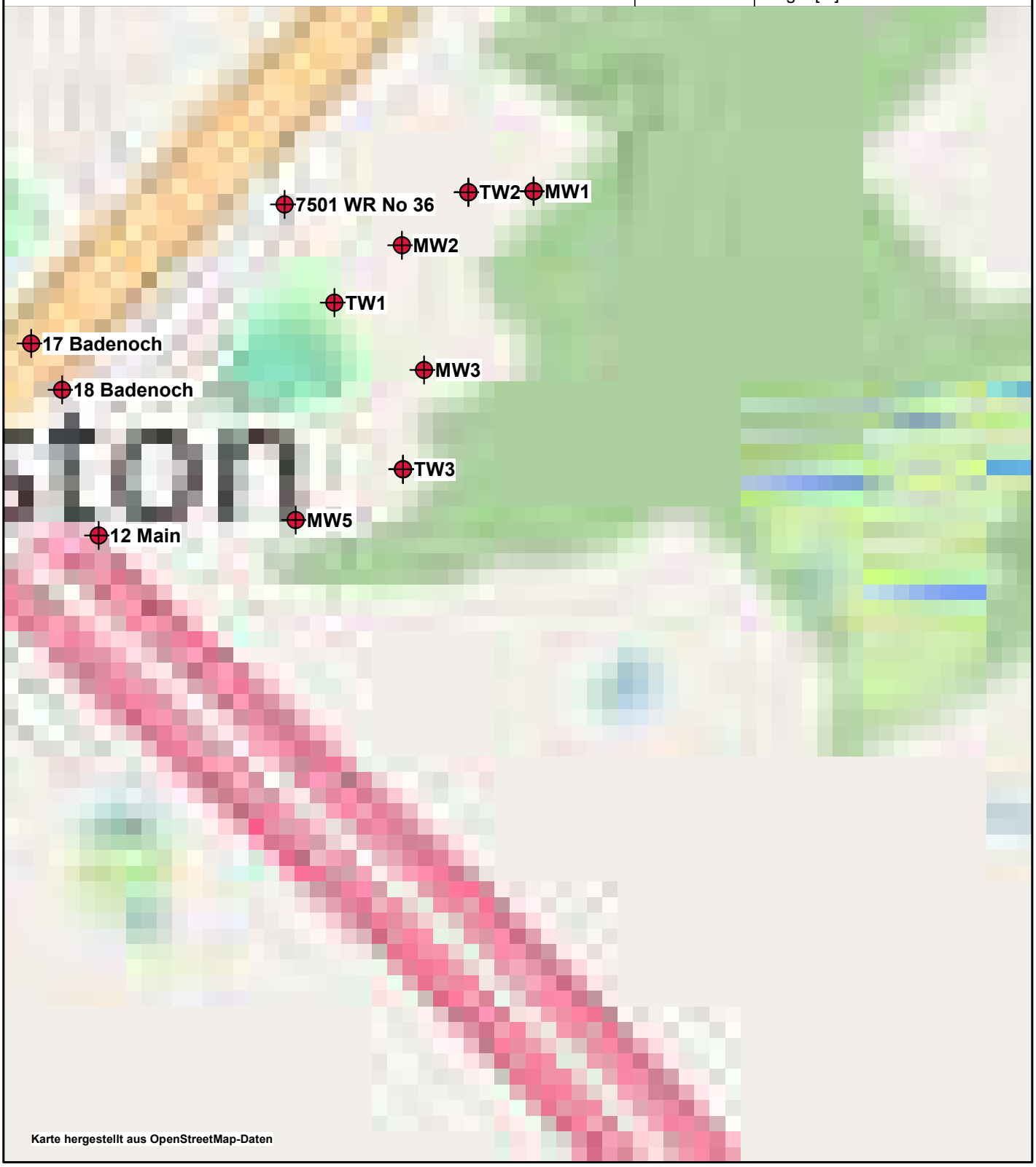
Contractor's Copy ☐ Ministry's Copy ☒ Well Owner's Copy ☐

Cette formule est disponible en français

Appendix B
Aquifer Test Analysis

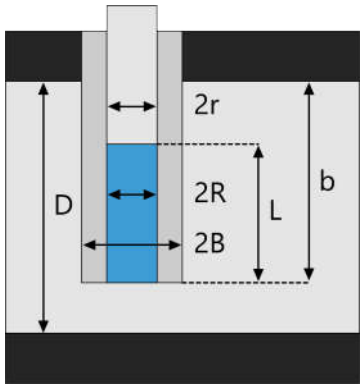
ENGLOBE

	Site Plan	Appendix B
	Project: 11 Main Street	
	Number: T1220482.003	
	Client: WDD Internatuional	
Location: Puslinch	Scale 1:5000	Origin [m] X: 571521 Y: 4810373



	Wells Appendix B
	Project: 11 Main Street
	Number: T1220482.003
	Client: WDD Internatuional

Location: Puslinch



	Name	X [m]	Y [m]	Elevation (amsl) [m]	Benchmark [m]	Penetration	L [m]	B [m]
1	TW1	571820	4811152	322.5		Partially	6.4	0.08
2	TW2	571941	4811252	316.4		Partially	3.4	0.08
3	TW3	571882	4811001	316.1		Partially	2.3	0.08
4	MW1	572000	4811253	313		Fully	3	0.05
5	MW2	571881	4811204	318.2		Fully	1.5	0.05
6	MW3	571901	4811091	317.1		Fully	3	0.05
7	MW5	571785	4810955	316.8		Fully	1.5	0.05
8	12 Main	571607	4810398	319.4		Fully	3.3	0.08
9	17 Badenoch	571546	4811115	329.5		Fully	2.1	0.08
10	18 Badenoch	571574	4811073	329.2		Fully	3.5	0.08
11	7501 WR No 36	571775	4811241	324.9		Fully		

Pumping Test - Water Level Data

Project: 11 Main Street

Number: T1220482.003

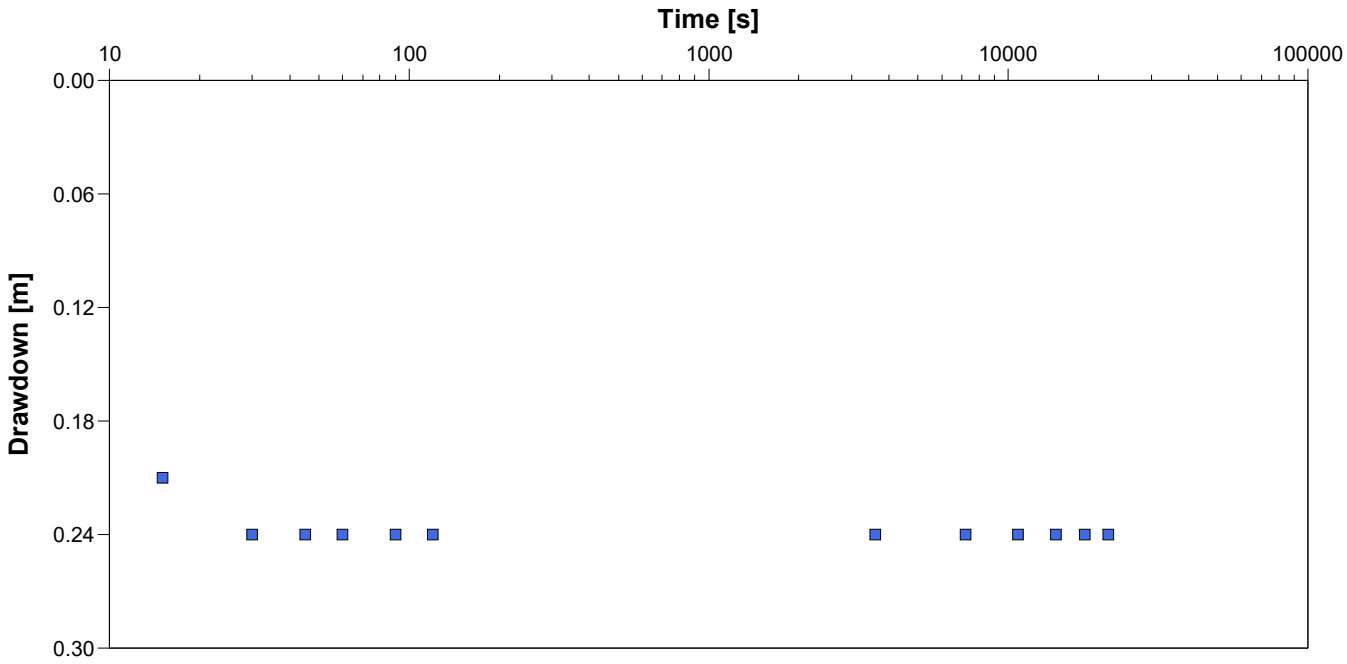
Client: WDD Internatuional

Location: Puslinch	Pumping Test: Field Test TW1	Pumping Well: TW1
Test Conducted by: NB	Test Date: 10/7/2024	Discharge Rate: 0.00063 [m³/s]
Observation Well: TW1	Static Water Level [m]: 9.36	Radial Distance to PW [m]: -

	Time [s]	Water Level [m]	Drawdown [m]
1	15	9.57	0.21
2	30	9.60	0.24
3	45	9.60	0.24
4	60	9.60	0.24
5	90	9.60	0.24
6	120	9.60	0.24
7	3600	9.60	0.24
8	7200	9.60	0.24
9	10800	9.60	0.24
10	14400	9.60	0.24
11	18000	9.60	0.24
12	21600	9.60	0.24

	Pumping Test Analysis Report	Appendix B
	Project: 11 Main Street	
	Number: T1220482.003	
	Client: WDD Internatuional	

Location: Puslinch	Pumping Test: Field Test TW1	Pumping Well: TW1
Test Conducted by: NB		Test Date: 10/7/2024
Analysis Performed by: PR	Theis Analysis TW1	Analysis Date: 10/21/2024
Aquifer Thickness: 12.00 m	Discharge Rate: 0.00063 [m³/s]	



Calculation using Theis

Observation Well	Transmissivity [m²/s]	Hydraulic Conductivity [m/s]	Storage coefficient	Radial Distance to PW [m]	
TW1	1.00×10^{-3}	8.33×10^{-5}	1.00×10^{-4}	0.08	

Pumping Test - Water Level Data

Project: 11 Main Street

Number: T1220482.003

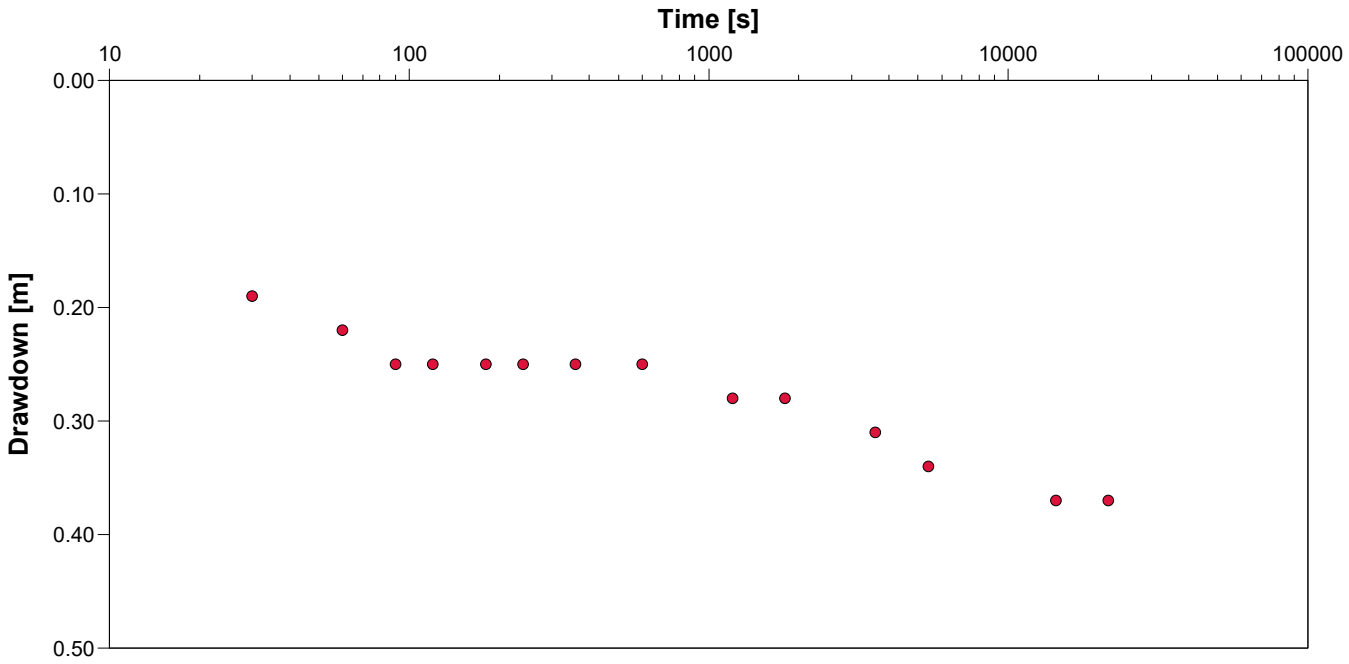
Client: WDD Internatuional

Location: Puslinch	Pumping Test: Field Test TW2	Pumping Well: TW1, TW2, TW3
Test Conducted by: NB	Test Date: 10/8/2024	
Observation Well: TW2	Static Water Level [m]: 7.28	Radial Distance to PW [m]: -

	Time [s]	Water Level [m]	Drawdown [m]
1	30	7.47	0.19
2	60	7.50	0.22
3	90	7.53	0.25
4	120	7.53	0.25
5	180	7.53	0.25
6	240	7.53	0.25
7	360	7.53	0.25
8	600	7.53	0.25
9	1200	7.56	0.28
10	1800	7.56	0.28
11	3600	7.59	0.31
12	5400	7.62	0.34
13	14400	7.65	0.37
14	21600	7.65	0.37

	Pumping Test Analysis Report	Appendix B
	Project: 11 Main Street	
	Number: T1220482.003	
	Client: WDD Internatuional	

Location: Puslinch	Pumping Test: Field Test TW2	Pumping Well: TW1, TW2, TW3
Test Conducted by: NB		Test Date: 10/8/2024
Analysis Performed by: PR	Theis Analysis TW2	Analysis Date: 10/21/2024
Aquifer Thickness: 18.00 m		



Calculation using Theis

Observation Well	Transmissivity [m²/s]	Hydraulic Conductivity [m/s]	Storage coefficient	
TW2	1.00×10^{-3}	5.56×10^{-5}	1.00×10^{-4}	

Pumping Test - Water Level Data

Project: 11 Main Street

Number: T1220482.003

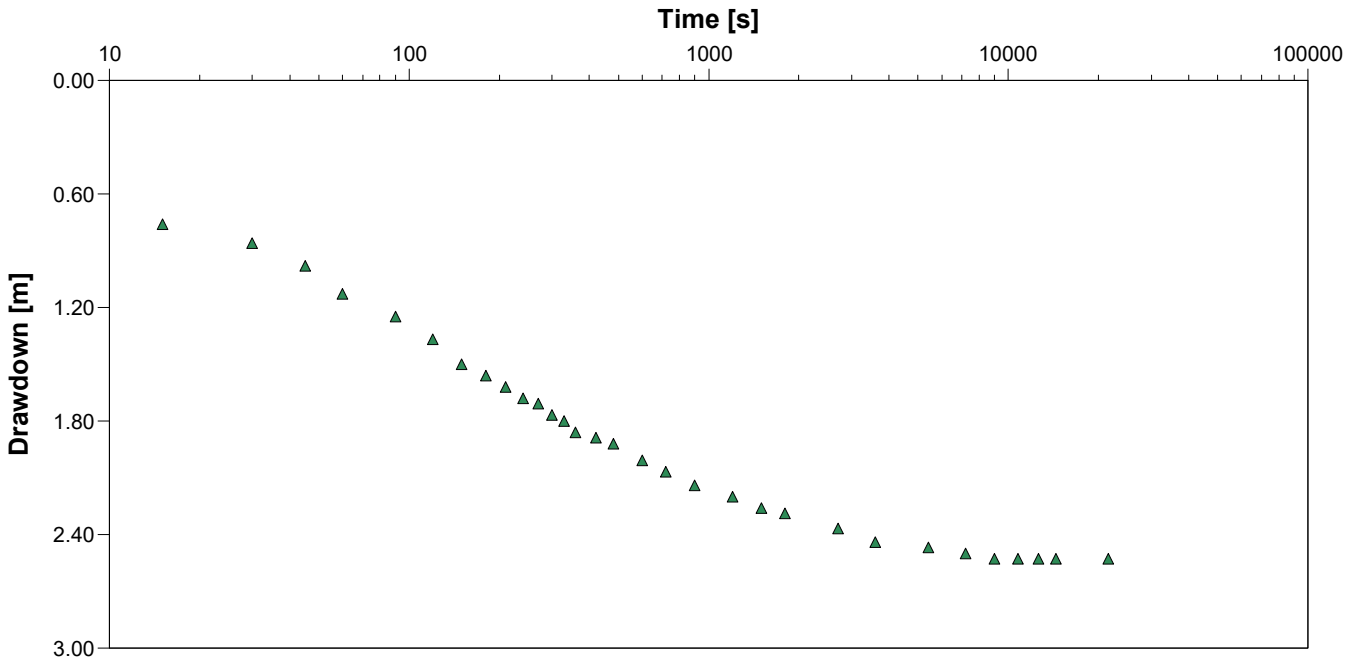
Client: WDD Internatuional

Location: Puslinch	Pumping Test: Field Test TW3	Pumping Well: TW1, TW2, TW3
Test Conducted by: NB	Test Date: 10/1/2024	
Observation Well: TW3	Static Water Level [m]: 9.63	Radial Distance to PW [m]: -

	Time [s]	Water Level [m]	Drawdown [m]
1	15	10.39	0.76
2	30	10.49	0.86
3	45	10.61	0.98
4	60	10.76	1.13
5	90	10.88	1.25
6	120	11.00	1.37
7	150	11.13	1.50
8	180	11.19	1.56
9	210	11.25	1.62
10	240	11.31	1.68
11	270	11.34	1.71
12	300	11.40	1.77
13	330	11.43	1.80
14	360	11.49	1.86
15	420	11.52	1.89
16	480	11.55	1.92
17	600	11.64	2.01
18	720	11.70	2.07
19	900	11.77	2.14
20	1200	11.83	2.20
21	1500	11.89	2.26
22	1800	11.92	2.29
23	2700	12.00	2.37
24	3600	12.07	2.44
25	5400	12.10	2.47
26	7200	12.13	2.50
27	9000	12.16	2.53
28	10800	12.16	2.53
29	12600	12.16	2.53
30	14400	12.16	2.53
31	21600	12.16	2.53

	Pumping Test Analysis Report	Appendix B
	Project: 11 Main Street	
	Number: T1220482.003	
	Client: WDD Internatuional	

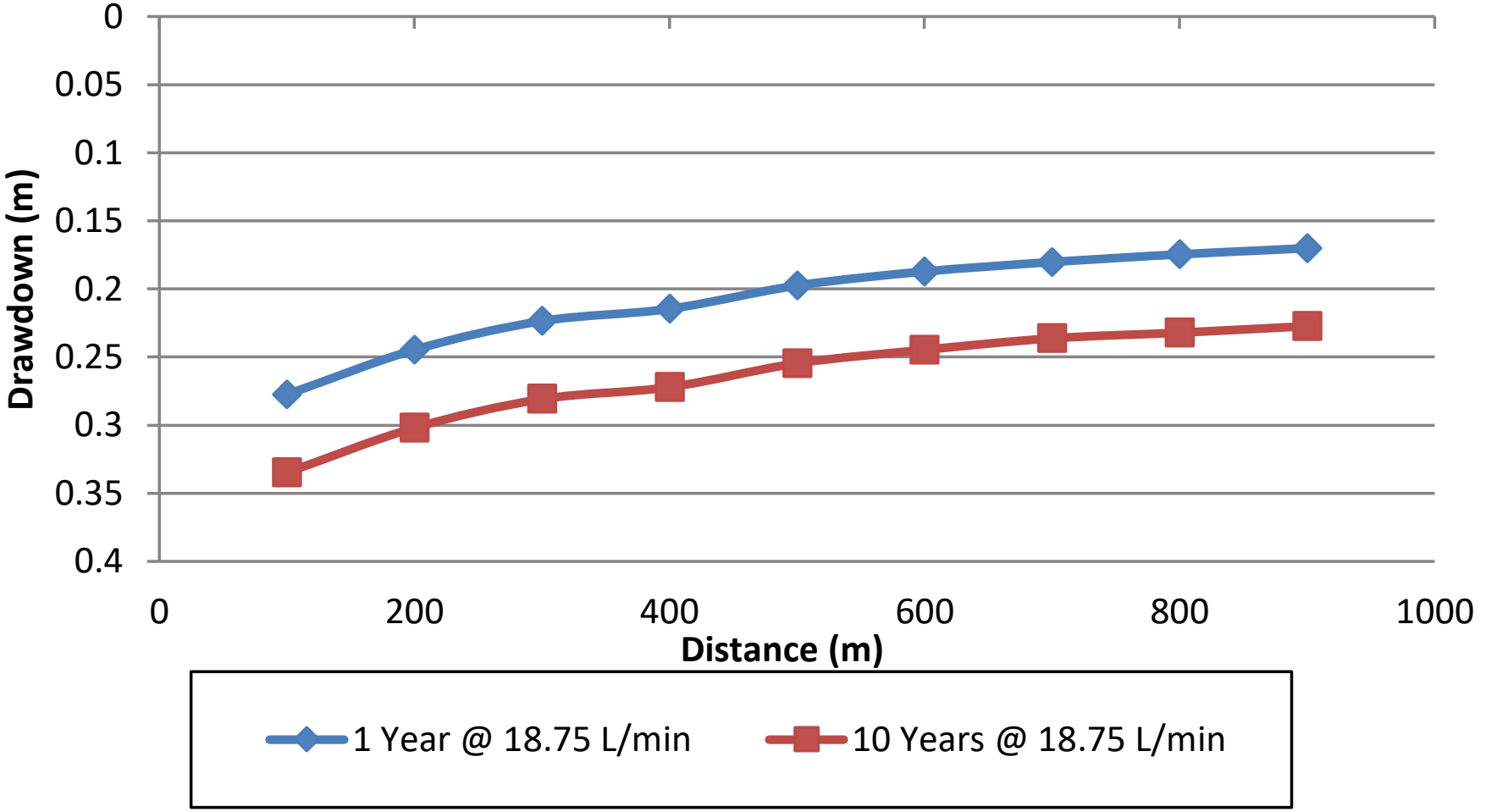
Location: Puslinch	Pumping Test: Field Test TW3	Pumping Well: TW1, TW2, TW3
Test Conducted by: NB		Test Date: 10/1/2024
Analysis Performed by: PR	Theis Analysis TW3	Analysis Date: 10/21/2024
Aquifer Thickness: 17.00 m		



Calculation using Theis

Observation Well	Transmissivity [m²/s]	Hydraulic Conductivity [m/s]	Storage coefficient	
TW3	1.00×10^{-3}	5.88×10^{-5}	1.00×10^{-4}	

Drawdown Analysis
Proposed Residential Development
11 Main Street
Puslinch, Ontario



Englobe Corp.

Project No. T1220482.00

Appendix C
Laboratory Certificates of Analysis

ENGLOBE

AGAT Laboratories

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

CLIENT NAME: ENGLOBE CORP.
903, BARTON CREEK
STONEY CREEK, ON L8E5P5
(905) 643-7560
ATTENTION TO: Nicole Burke
PROJECT: T-1-22-0482-46.003
AGAT WORK ORDER: 24H207057
MICROBIOLOGY ANALYSIS REVIEWED BY: Nivine Basily, Inorganic Team Lead
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead
DATE REPORTED: Oct 16, 2024
PAGES (INCLUDING COVER): 20
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
- *This Certificate shall not be reproduced except in full, without the written approval of the laboratory.*
- *The test results reported herewith relate only to the samples as received by the laboratory.*
- *Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.*
- *All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.*
- *This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

Total Coliforms & E.Coli (MI-Agar)

DATE RECEIVED: 2024-10-09

DATE REPORTED: 2024-10-16

		SAMPLE DESCRIPTION:		BH1-10:30	BH1-12:30	BH1-2:30	BH2-10:30	BH2-12:30	BH2-2:15	7501 WELLINGTON	17 BADENOCH
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-10-08 10:30	2024-10-08 12:30	2024-10-08 14:30	2024-10-07 10:30	2024-10-07 12:30	2024-10-07 14:15	2024-10-08 14:30	2024-10-08 14:30
Parameter	**Unit**	**G / S**	**RDL**	**6211018**	**6211033**	**6211034**	**6211035**	**6211036**	**6211037**	**6211038**	**6211076**
Escherichia coli	CFU/100mL			0	0	0	0	0	0	0	0
Total Coliforms	CFU/100mL			9	0	0	1	1	1	0	0

		SAMPLE DESCRIPTION:		18 BADENOCH	12 MAIN ST.	18 BADENOCH	BH4-1HR	BH4-3HR	BH4-5HR	12 MAIN ST.	17 BADENOCH
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2024-10-08 14:45	2024-10-08 14:20	2024-10-07 10:00	2024-10-08 10:30	2024-10-08 12:30	2024-10-08 14:30	2024-10-07 10:30	2024-10-07 09:30
Parameter	**Unit**	**G / S**	**RDL**	**6211077**	**6211078**	**6211080**	**6211087**	**6211088**	**6211089**	**6211144**	**6211145**
Escherichia coli	CFU/100mL			0	0	0	0	0	0	0	0
Total Coliforms	CFU/100mL			65	29	35	0	0	0	29	0

		SAMPLE DESCRIPTION:		7501 WELLINGTON	
		SAMPLE TYPE:		Water	
		DATE SAMPLED:		2024-10-07 13:30	
Parameter	**Unit**	**G / S**	**RDL**	**6211146**	
Escherichia coli	CFU/100mL			0	
Total Coliforms	CFU/100mL			0	

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

Total Coliforms & E.Coli (MI-Agar)

DATE RECEIVED: 2024-10-09

DATE REPORTED: 2024-10-16

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

6211018-6211034	Escherichia coli, Total Coliforms RDL = 1 CFU/100mL. unknown bacterial growth was observed on the plate.
6211035-6211037	Escherichia coli, Total Coliforms RDL = 1 CFU/100mL. unknown bacterial growth was observed on the plate. The time from sample collection to initiation of analysis exceeded 48 hours. Review data with discretion.
6211038-6211078	Escherichia coli, Total Coliforms RDL = 1 CFU/100mL. unknown bacterial growth was observed on the plate.
6211080	Escherichia coli, Total Coliforms RDL = 1 CFU/100mL. unknown bacterial growth was observed on the plate. The time from sample collection to initiation of analysis exceeded 48 hours. Review data with discretion.
6211087-6211089	Escherichia coli, Total Coliforms RDL = 1 CFU/100mL. unknown bacterial growth was observed on the plate.
6211144	Escherichia coli, Total Coliforms RDL = 1 CFU/100mL. unknown bacterial growth was observed on the plate. The time from sample collection to initiation of analysis exceeded 48 hours. Review data with discretion.
6211145-6211146	Escherichia coli, Total Coliforms RDL = 1 CFU/100mL. The time from sample collection to initiation of analysis exceeded 48 hours. Review data with discretion.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By:

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

DRINKING WATER - Water Quality Assessment (mg/L)

DATE RECEIVED: 2024-10-09

DATE REPORTED: 2024-10-16

SAMPLE DESCRIPTION:				BH1-10:30	BH1-12:30		BH1-2:30		BH2-10:30	BH2-12:30	BH2-2:15
SAMPLE TYPE:				Water	Water		Water		Water	Water	Water
DATE SAMPLED:				2024-10-08 10:30	2024-10-08 12:30		2024-10-08 14:30		2024-10-07 10:30	2024-10-07 12:30	2024-10-07 14:15
Parameter	Unit	G / S	RDL	6211018	6211033	RDL	6211034	RDL	6211035	6211036	6211037
Electrical Conductivity	µS/cm		2	1180	1180	2	1180	2	1250	1240	1240
pH	pH Units		NA	7.80	7.78	NA	7.79	NA	7.85	7.86	7.81
Hardness (as CaCO3) (Calculated)	mg/L		0.5	433	430	0.5	434	0.5	453	439	449
Total Dissolved Solids	mg/L		10	680	694	10	684	10	734	730	700
Alkalinity (as CaCO3)	mg/L		5	319	329	5	321	5	320	334	329
Fluoride	mg/L		0.05	<0.05	<0.05	0.05	<0.05	0.05	<0.05	<0.05	<0.05
Chloride	mg/L		0.12	171	175	0.12	173	0.12	193	190	190
Nitrate as N	mg/L		0.05	0.94	0.92	0.05	0.88	0.05	1.74	1.82	1.88
Nitrite as N	mg/L		0.05	<0.05	<0.05	0.05	<0.05	0.05	<0.05	<0.05	<0.05
Bromide	mg/L		0.05	<0.05	<0.05	0.05	<0.05	0.05	<0.05	<0.05	<0.05
Sulphate	mg/L		0.10	36.7	37.6	0.10	37.3	0.10	34.4	34.3	34.4
Ortho Phosphate as P	mg/L		0.10	<0.10	<0.10	0.10	<0.10	0.10	<0.10	<0.10	<0.10
Ammonia as N	mg/L		0.02	<0.02	<0.02	0.02	<0.02	0.02	<0.02	<0.02	<0.02
Total Phosphorus	mg/L		0.02	<0.02	<0.02	0.02	<0.02	0.02	<0.02	<0.02	<0.02
Total Organic Carbon	mg/L		0.5	0.6	0.6	0.5	0.7	0.5	0.8	0.8	0.7
Apparent Colour	TCU		2.50	3.59	<2.50	2.50	<2.50	2.50	3.21	2.70	<2.50
Turbidity	NTU		0.5	1.4	1.8	0.5	1.5	0.5	0.9	0.8	0.6
Total Calcium	mg/L		0.32	111	111	0.32	111	0.32	118	113	116
Total Magnesium	mg/L		0.34	37.8	37.2	0.34	38.0	0.34	38.5	38.0	38.8
Total Potassium	mg/L		1.15	1.89	2.20	1.15	2.22	1.15	1.82	1.40	1.86
Total Sodium	mg/L		0.45	78.0	77.1	0.45	77.2	0.45	90.2	86.8	87.6
Total Aluminum	mg/L		0.010	0.029	<0.010	0.010	<0.010	0.010	0.011	<0.010	0.017
Total Antimony	mg/L		0.003	<0.003	<0.003	0.003	<0.003	0.003	<0.003	<0.003	<0.003
Total Arsenic	mg/L		0.003	<0.003	<0.003	0.003	<0.003	0.003	<0.003	<0.003	<0.003
Total Barium	mg/L		0.002	0.194	0.191	0.002	0.187	0.002	0.191	0.188	0.191
Total Beryllium	mg/L		0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001	<0.001	<0.001
Total Boron	mg/L		0.010	0.025	0.024	0.010	0.022	0.010	0.019	0.017	0.017
Total Cadmium	mg/L		0.0001	0.0001	0.0002	0.0001	<0.0001	0.0001	0.0002	0.0003	<0.0001
Total Chromium	mg/L		0.003	<0.003	<0.003	0.003	<0.003	0.003	<0.003	<0.003	<0.003

Certified By: Iris Verástegui

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

DRINKING WATER - Water Quality Assessment (mg/L)

DATE RECEIVED: 2024-10-09

DATE REPORTED: 2024-10-16

		SAMPLE DESCRIPTION:		BH1-10:30	BH1-12:30		BH1-2:30		BH2-10:30	BH2-12:30	BH2-2:15
		SAMPLE TYPE:		Water	Water		Water		Water	Water	Water
		DATE SAMPLED:		2024-10-08 10:30	2024-10-08 12:30		2024-10-08 14:30		2024-10-07 10:30	2024-10-07 12:30	2024-10-07 14:15
Parameter	**Unit**	**G / S**	**RDL**	**6211018**	**6211033**	**RDL**	**6211034**	**RDL**	**6211035**	**6211036**	**6211037**
Total Cobalt	mg/L		0.0005	<0.0005	<0.0005	0.0005	<0.0005	0.0005	<0.0005	<0.0005	<0.0005
Total Copper	mg/L		0.002	<0.002	<0.002	0.002	<0.002	0.002	<0.002	<0.002	<0.002
Total Iron	mg/L		0.050	0.093	0.063	0.050	0.063	0.050	0.214	0.078	0.062
Total Lead	mg/L		0.0005	<0.0005	<0.0005	0.0005	<0.0005	0.0005	0.0040	0.0029	0.0030
Total Manganese	mg/L		0.002	0.048	0.051	0.002	0.045	0.002	0.003	<0.002	<0.002
Total Mercury	mg/L		0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001
Total Molybdenum	mg/L		0.002	<0.002	<0.002	0.002	0.006	0.002	<0.002	<0.002	<0.002
Total Nickel	mg/L		0.003	<0.003	0.004	0.003	0.008	0.003	0.003	<0.003	<0.003
Total Selenium	mg/L		0.002	<0.002	<0.002	0.002	<0.002	0.002	<0.002	<0.002	<0.002
Total Silver	mg/L		0.0001	<0.0001	<0.0001	0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001
Total Strontium	mg/L		0.005	0.135	0.160	0.005	0.149	0.005	0.143	0.146	0.151
Total Thallium	mg/L		0.0003	<0.0003	<0.0003	0.0003	<0.0003	0.0003	<0.0003	<0.0003	<0.0003
Total Tin	mg/L		0.002	<0.002	<0.002	0.002	<0.002	0.002	<0.002	<0.002	<0.002
Total Titanium	mg/L		0.010	<0.010	<0.010	0.010	<0.010	0.010	<0.010	<0.010	<0.010
Total Tungsten	mg/L		0.010	<0.010	<0.010	0.010	<0.010	0.010	<0.010	<0.010	<0.010
Total Uranium	mg/L		0.0005	0.0010	0.0010	0.0005	0.0010	0.0005	0.0009	0.0009	0.0009
Total Vanadium	mg/L		0.002	<0.002	<0.002	0.010	<0.010	0.002	<0.002	<0.002	<0.002
Total Zinc	mg/L		0.020	0.215	0.207	0.020	0.204	0.020	0.317	0.329	0.303
Total Zirconium	mg/L		0.004	<0.004	<0.004	0.004	<0.004	0.004	<0.004	<0.004	<0.004

Certified By: Iris Verástegui

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

DRINKING WATER - Water Quality Assessment (mg/L)

DATE RECEIVED: 2024-10-09

DATE REPORTED: 2024-10-16

		SAMPLE DESCRIPTION:		BH4-1HR		BH4-3HR	BH4-5HR
		SAMPLE TYPE:		Water		Water	Water
		DATE SAMPLED:		2024-10-08 10:30		2024-10-08 12:30	2024-10-08 14:30
Parameter	Unit	G / S	RDL	6211087	RDL	6211088	6211089
Electrical Conductivity	µS/cm		2	970	2	963	967
pH	pH Units		NA	4.65	NA	7.79	7.77
Hardness (as CaCO3) (Calculated)	mg/L		0.5	393	0.5	387	378
Total Dissolved Solids	mg/L		10	554	10	564	544
Alkalinity (as CaCO3)	mg/L		5	299	5	301	310
Fluoride	mg/L		0.05	<0.05	0.05	<0.05	<0.05
Chloride	mg/L		0.12	108	0.12	106	105
Nitrate as N	mg/L		0.05	0.79	0.05	0.73	0.72
Nitrite as N	mg/L		0.05	<0.05	0.05	<0.05	<0.05
Bromide	mg/L		0.05	<0.05	0.05	<0.05	<0.05
Sulphate	mg/L		0.10	38.6	0.10	38.1	37.7
Ortho Phosphate as P	mg/L		0.10	<0.10	0.10	<0.10	<0.10
Ammonia as N	mg/L		0.02	<0.02	0.02	<0.02	<0.02
Total Phosphorus	mg/L		0.02	<0.02	0.02	<0.02	<0.02
Total Organic Carbon	mg/L		0.5	0.7	0.5	0.7	0.7
Apparent Colour	TCU		2.50	13.1	2.50	10.4	9.64
Turbidity	NTU		0.5	1.8	0.5	1.7	1.1
Total Calcium	mg/L		0.32	97.0	0.32	94.9	93.2
Total Magnesium	mg/L		0.34	36.6	0.34	36.4	35.3
Total Potassium	mg/L		1.15	1.40	1.15	1.34	1.60
Total Sodium	mg/L		0.45	47.8	0.45	46.7	45.5
Total Aluminum	mg/L		0.010	<0.010	0.010	<0.010	<0.010
Total Antimony	mg/L		0.003	<0.003	0.003	<0.003	<0.003
Total Arsenic	mg/L		0.003	<0.003	0.003	<0.003	<0.003
Total Barium	mg/L		0.002	0.240	0.002	0.216	0.199
Total Beryllium	mg/L		0.001	<0.001	0.001	<0.001	<0.001
Total Boron	mg/L		0.010	0.027	0.010	0.024	0.023
Total Cadmium	mg/L		0.0001	0.0001	0.0001	<0.0001	<0.0001
Total Chromium	mg/L		0.003	<0.003	0.003	<0.003	<0.003

Certified By: Iris Verástegui

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

Certificate of Analysis

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

DRINKING WATER - Water Quality Assessment (mg/L)

DATE RECEIVED: 2024-10-09

DATE REPORTED: 2024-10-16

		SAMPLE DESCRIPTION:		BH4-1HR		BH4-3HR	BH4-5HR
		SAMPLE TYPE:		Water		Water	Water
		DATE SAMPLED:		2024-10-08 10:30		2024-10-08 12:30	2024-10-08 14:30
Parameter	Unit	G / S	RDL	6211087	RDL	6211088	6211089
Total Cobalt	mg/L		0.0005	<0.0005	0.0005	<0.0005	<0.0005
Total Copper	mg/L		0.002	<0.002	0.002	<0.002	0.005
Total Iron	mg/L		0.050	0.574	0.050	0.448	0.340
Total Lead	mg/L		0.0005	0.0015	0.0005	0.0014	0.0014
Total Manganese	mg/L		0.002	0.010	0.002	0.006	0.007
Total Mercury	mg/L		0.0001	<0.0001	0.0001	<0.0001	<0.0001
Total Molybdenum	mg/L		0.002	<0.002	0.002	<0.002	<0.002
Total Nickel	mg/L		0.003	<0.003	0.003	<0.003	<0.003
Total Selenium	mg/L		0.002	<0.002	0.002	<0.002	<0.002
Total Silver	mg/L		0.0001	<0.0001	0.0001	<0.0001	<0.0001
Total Strontium	mg/L		0.005	0.308	0.005	0.231	0.216
Total Thallium	mg/L		0.0003	<0.0003	0.0003	<0.0003	<0.0003
Total Tin	mg/L		0.002	<0.002	0.002	<0.002	<0.002
Total Titanium	mg/L		0.010	<0.010	0.010	<0.010	<0.010
Total Tungsten	mg/L		0.010	<0.010	0.010	<0.010	<0.010
Total Uranium	mg/L		0.0005	0.0006	0.0005	0.0006	0.0005
Total Vanadium	mg/L		0.002	<0.002	0.010	<0.010	<0.010
Total Zinc	mg/L		0.020	0.123	0.020	0.112	0.112
Total Zirconium	mg/L		0.004	<0.004	0.004	<0.004	<0.004

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

6211018-6211089 Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

Sodium, Nitrate, and Nitrite in Water

DATE RECEIVED: 2024-10-09

DATE REPORTED: 2024-10-16

Parameter	Unit	G / S	RDL	SAMPLE DESCRIPTION: 7501 WELLINGTON	17 BADENOCH	18 BADENOCH	12 MAIN ST.	18 BADENOCH	12 MAIN ST.	17 BADENOCH	7501 WELLINGTON
SAMPLE TYPE:				Water	Water	Water	Water	Water	Water	Water	Water
DATE SAMPLED:				2024-10-08 14:30	2024-10-08 14:30	2024-10-08 14:45	2024-10-08 14:20	2024-10-07 10:00	2024-10-07 10:30	2024-10-07 09:30	2024-10-07 13:30
				6211038	6211076	6211077	6211078	6211080	6211144	6211145	6211146
Nitrate as N	mg/L		0.05	3.43	1.01	3.11	3.02	2.86	2.75	0.79	3.14
Nitrite as N	mg/L		0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Total Sodium	mg/L		0.45	78.1	59.3	72.7	75.4	73.2	73.1	56.1	77.7

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

6211038-6211146 Dilution required, RDL has been increased accordingly.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

Microbiology Analysis

RPT Date: Oct 16, 2024			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Total Coliforms & E.Coli (MI-Agar)															
Escherichia coli	6211018	6211018	0	0	NA										
Total Coliforms	6211018	6211018	9	8	11.8%										

Comments: NA - % RPD Not Applicable.

Total Coliforms & E.Coli (MI-Agar)															
Escherichia coli	6211035	6211035	0	0	NA										
Total Coliforms	6211035	6211035	0	0	NA										

Comments: NA - % RPD Not Applicable.

Certified By:

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

Water Analysis

RPT Date: Oct 16, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
DRINKING WATER - Water Quality Assessment (mg/L)															
Electrical Conductivity	6211087	6211087	957	956	0.1%	< 2	99%	90%	110%						
pH	6211087	6211087	7.61	7.71	1.3%	NA	99%	90%	110%						
Total Dissolved Solids	6211018	6211018	680	696	2.3%	< 10	100%	80%	120%						
Alkalinity (as CaCO3)	6211087	6211087	299	309	3.3%	< 5	100%	80%	120%						
Fluoride	6211088	6211088	<0.05	<0.05	NA	< 0.05	100%	70%	130%	96%	80%	120%	96%	70%	130%
Chloride	6211088	6211088	106	105	0.9%	< 0.10	95%	70%	130%	100%	80%	120%	99%	70%	130%
Nitrate as N	6211088	6211088	0.73	0.74	1.4%	< 0.05	95%	70%	130%	95%	80%	120%	94%	70%	130%
Nitrite as N	6211088	6211088	<0.05	<0.05	NA	< 0.05	96%	70%	130%	96%	80%	120%	95%	70%	130%
Bromide	6211088	6211088	<0.05	<0.05	NA	< 0.05	98%	70%	130%	98%	80%	120%	96%	70%	130%
Sulphate	6211088	6211088	38.1	37.8	0.8%	< 0.10	92%	70%	130%	94%	80%	120%	94%	70%	130%
Ortho Phosphate as P	6211088	6211088	<0.10	<0.10	NA	< 0.10	98%	70%	130%	95%	80%	120%	95%	70%	130%
Ammonia as N	6211018	6211018	<0.02	<0.02	NA	< 0.02	111%	70%	130%	102%	80%	120%	109%	70%	130%
Total Phosphorus	6211018	6211018	<0.02	<0.02	NA	< 0.02	96%	70%	130%	105%	80%	120%	93%	70%	130%
Total Organic Carbon	6211018	6211018	0.6	0.5	NA	< 0.5	97%	90%	110%	94%	90%	110%	98%	80%	120%
Apparent Colour	6211018	6211018	3.59	3.43	NA	< 2.5	107%	90%	110%						
Turbidity	6211087	6211087	1.5	2.3	NA	< 0.5	84%	80%	120%						
Total Calcium	6211018	6211018	111	109	1.8%	< 0.20	103%	70%	130%	105%	80%	120%	106%	70%	130%
Total Magnesium	6211018	6211018	37.8	36.9	2.4%	< 0.10	104%	70%	130%	103%	80%	120%	104%	70%	130%
Total Potassium	6211018	6211018	1.89	2.13	NA	< 0.50	102%	70%	130%	104%	80%	120%	103%	70%	130%
Total Sodium	6211018	6211018	78.0	76.1	2.5%	< 0.10	102%	70%	130%	103%	80%	120%	104%	70%	130%
Total Aluminum	6211018	6211018	0.029	0.030	NA	< 0.010	90%	70%	130%	103%	80%	120%	96%	70%	130%
Total Antimony	6211018	6211018	<0.003	<0.003	NA	< 0.003	101%	70%	130%	100%	80%	120%	102%	70%	130%
Total Arsenic	6211018	6211018	<0.003	<0.003	NA	< 0.003	98%	70%	130%	99%	80%	120%	101%	70%	130%
Total Barium	6211018	6211018	0.194	0.198	2.0%	< 0.002	98%	70%	130%	101%	80%	120%	101%	70%	130%
Total Beryllium	6211018	6211018	<0.001	<0.001	NA	< 0.001	96%	70%	130%	99%	80%	120%	95%	70%	130%
Total Boron	6211018	6211018	0.025	0.027	NA	< 0.010	99%	70%	130%	100%	80%	120%	96%	70%	130%
Total Cadmium	6211018	6211018	0.0001	<0.0001	NA	< 0.0001	101%	70%	130%	101%	80%	120%	99%	70%	130%
Total Chromium	6211018	6211018	<0.003	<0.003	NA	< 0.003	103%	70%	130%	107%	80%	120%	108%	70%	130%
Total Cobalt	6211018	6211018	<0.0005	<0.0005	NA	< 0.0005	104%	70%	130%	106%	80%	120%	107%	70%	130%
Total Copper	6211018	6211018	<0.002	<0.002	NA	< 0.002	99%	70%	130%	101%	80%	120%	101%	70%	130%
Total Iron	6211018	6211018	0.093	0.101	NA	< 0.050	95%	70%	130%	101%	80%	120%	105%	70%	130%
Total Lead	6211018	6211018	<0.0005	<0.0005	NA	< 0.0005	95%	70%	130%	99%	80%	120%	95%	70%	130%
Total Manganese	6211018	6211018	0.048	0.050	4.1%	< 0.002	100%	70%	130%	100%	80%	120%	104%	70%	130%
Total Mercury	6211018	6211018	<0.0001	<0.0001	NA	< 0.0001	102%	70%	130%	101%	80%	120%	99%	70%	130%
Total Molybdenum	6211018	6211018	<0.002	<0.002	NA	< 0.002	100%	70%	130%	86%	80%	120%	106%	70%	130%
Total Nickel	6211018	6211018	<0.003	0.004	NA	< 0.003	110%	70%	130%	101%	80%	120%	110%	70%	130%
Total Selenium	6211018	6211018	<0.002	<0.002	NA	< 0.002	98%	70%	130%	106%	80%	120%	100%	70%	130%
Total Silver	6211018	6211018	<0.0001	<0.0001	NA	< 0.0001	100%	70%	130%	102%	80%	120%	98%	70%	130%
Total Strontium	6211018	6211018	0.135	0.148	9.2%	< 0.005	95%	70%	130%	94%	80%	120%	95%	70%	130%

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

Water Analysis (Continued)

RPT Date: Oct 16, 2024			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Total Thallium	6211018	6211018	<0.0003	<0.0003	NA	< 0.0003	94%	70%	130%	97%	80%	120%	92%	70%	130%
Total Tin	6211018	6211018	<0.002	<0.002	NA	< 0.002	105%	70%	130%	104%	80%	120%	106%	70%	130%
Total Titanium	6211018	6211018	<0.010	<0.010	NA	< 0.010	106%	70%	130%	117%	80%	120%	117%	70%	130%
Total Tungsten	6211018	6211018	<0.010	<0.010	NA	< 0.010	94%	70%	130%	104%	80%	120%	96%	70%	130%
Total Uranium	6211018	6211018	0.0010	0.0011	NA	< 0.0005	90%	70%	130%	102%	80%	120%	104%	70%	130%
Total Vanadium	6211018	6211018	<0.002	<0.002	NA	< 0.002	101%	70%	130%	105%	80%	120%	105%	70%	130%
Total Zinc	6211018	6211018	0.215	0.215	0.0%	< 0.020	101%	70%	130%	104%	80%	120%	98%	70%	130%
Total Zirconium	6211018	6211018	<0.004	<0.004	NA	< 0.004	93%	70%	130%	97%	80%	120%	91%	70%	130%
Sodium, Nitrate, and Nitrite in Water															
Nitrate as N	6211088	6211088	0.73	0.74	1.4%	< 0.05	95%	70%	130%	95%	80%	120%	94%	70%	130%
Nitrite as N	6211088	6211088	<0.05	<0.05	NA	< 0.05	96%	70%	130%	96%	80%	120%	95%	70%	130%
Total Sodium	6211018	6211018	78.0	76.1	2.5%	< 0.10	102%	70%	130%	103%	80%	120%	104%	70%	130%

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

Certified By: Iris Verástegui

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Microbiology Analysis			
Escherichia coli	MIC-93-7010	EPA 1604	Membrane Filtration
Total Coliforms	MIC-93-7010	EPA 1604	Membrane Filtration

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Water Analysis			
Electrical Conductivity	INOR-93-6000	modified from SM 2510 B	PC TITRATE
pH	INOR-93-6000	modified from SM 4500-H+ B	PC TITRATE
Hardness (as CaCO3) (Calculated)	MET-93-6105	modified from EPA SW-846 6010C & 200.7 & SM 2340 B	CALCULATION
Total Dissolved Solids	INOR-93-6028	modified from EPA 1684,ON MOECC E3139,SM 2540C,D	BALANCE
Alkalinity (as CaCO3)	INOR-93-6000	Modified from SM 2320 B	PC TITRATE
Fluoride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Chloride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Nitrate as N	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Nitrite as N	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Bromide	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Sulphate	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Ortho Phosphate as P	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Ammonia as N	INOR-93-6059	modified from SM 4500-NH3 H	LACHAT FIA
Total Phosphorus	INOR-93-6022	modified from SM 4500-P B and SM 4500-P E	SPECTROPHOTOMETER
Total Organic Carbon	INOR-93-6049	modified from SM 5310 B	SHIMADZU CARBON ANALYZER
Apparent Colour	INOR-93-6074	modified from SM 2120 B	LACHAT FIA
Turbidity	INOR-93-6000	modified from SM 2130 B	PC TITRATE
Total Calcium	MET-93-6105	modified from EPA 6010D	ICP/OES
Total Magnesium	MET-93-6105	modified from EPA 6010D	ICP/OES
Total Potassium	MET-93-6105	modified from EPA 6010D	ICP/OES
Total Sodium	MET-93-6105	modified from EPA 6010D	ICP/OES
Total Aluminum	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Antimony	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Arsenic	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Barium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Beryllium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Boron	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Cadmium	MET -93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Chromium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Cobalt	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Copper	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Iron	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Lead	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Manganese	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24H207057

PROJECT: T-1-22-0482-46.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:

SAMPLED BY:NICOLE BURKE

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Total Molybdenum	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Nickel	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Selenium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Silver	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Strontium	INOR-93-6003	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Thallium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Tin	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Titanium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Tungsten	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Uranium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Vanadium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Zinc	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Zirconium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS

MISS: please see attached.

AGAT Laboratories — RUSH!

5835 Coopers Avenue
Mississauga, ON
L4Z 1Y2

Drinking Water Chain of Custody Record

P: 905.712.5100 • F: 905.712.5122 • TF: 1.800.856.6261

Laboratory Use Only

Arrival Condition: ☐ Good ☐ Poor (complete notes)
Arrival Temperature: 3.6 3.8 4.0
AGAT Job Number: 24H207057
Notes: 3 LG BAGGED ICE
#2 4.0 4.4 4.8 #3 2.8 3.0 3.2

Client Information

Company: Englobe
Contact: Nicole Burke
Address: 903 Barton St. E, #22
Stoney Creek, ONT
Phone: 905-379-8259 Fax:
PO #:
Client Project #: T-1-22-0482-46.003
AGAT Quotation #:

Report Information

1. Name: Paul Raepple
Email: paul.raepple@englobecorp.com
2. Name: Nicole Burke
Email: nicole.burke@englobecorp.com

Report Format

☒ Single Sample per page
☐ Multiple Samples per page

Turnaround Time Required (TAT) *

Regular TAT	7 to 14 business days	☐ Sch 23/24 only
	5 to 7 business days	☒
Rush TAT (please provide prior notification)	3 to 4 business days	☒ Rush
	2 business days	☐ surcharges
	1 business days	☐ apply

Date Required (Rush surcharges may apply): _____

Facility Type (Check all that are applicable)

☐ Large OR ☐ Small
☐ Residential OR ☐ Non-Residential
☐ Municipal OR ☒ Non-Municipal

+ Water Type

(Specify in column below)
Raw (R), Treated (TR), Distribution (D), Tap (TP) Private Well (P)

Requirements (Check one)

☐ O. Regulation 170 ☐ Not Applicable
☐ O. Regulation 243 ☐ Federal
☐ O. Regulation 318/319 ☐ Other _____

IS THIS WATER BEING CONSUMED BY HUMANS? ☒ Yes ☐ No
DO THE RESULTS REQUIRE REPORTING TO THE MECP OR LOCAL PUBLIC HEALTH UNIT? ☐ Yes ☒ No
FOR RAW WATER (E.G. UNTREATED), IS THE SAMPLE COLLECTED FROM A POINT OF HUMAN CONSUMPTION? ☐ Yes ☒ No

CLIENT IS RESPONSIBLE TO COMPLETE AND SUBMIT LAB SERVICE NOTIFICATION (LSN) FORM TO THE MOECC/PHU. FAILURE TO DO SO MAY DELAY REPORTING
"NOTIFICATION INFORMATION" MUST BE COMPLETE BELOW UPON SUBMISSION OF SAMPLES. LABORATORY ANALYSIS WILL NOT COMMENCE UNTIL ALL INFORMATION HAS BEEN PROVIDED.

SAMPLE IDENTIFICATION/LOCATION	DATE SAMPLED	TIME SAMPLED	WATER TYPE	# OF CONTAINERS	CHLORINE RESIDUAL (incl. Units)	STAND/NG	FLUSHED	COMMENTS/STANDING TIME (IN MINUTES)	Inorganics (Sch. 23)	Organics (Sch. 24)	Lead	Fluoride	Sodium	Turbidity	Nitrate, Nitrite	Trihalomethanes / HAAs	E.coli, Total Coliforms	Water Quality Assessment Package
BH1 - 10:30	Oct 8/24	10:30 AM/PM	R	7	n/a		X						X		X		X	X
BH1 - 12:30		12:30 AM/PM																
BH1 - 2:30		2:30 AM/PM																
BH2 - 10:30		10:30 AM/PM																
BH2 - 12:30		12:30 AM/PM																
BH2 - 2:30		2:30 AM/PM																
7501 Wellington		2:30 AM/PM																

Samples Taken By (Print Name and Sign): Nicole Burke

* TAT is exclusive of weekends and statutory holidays. Prior arrangements must be made with the laboratory in order to submit Microbiology samples on Fridays

NOTIFICATION INFORMATION - (required to report adverse results as per the *Safe Drinking Water Act*) - **Laboratory analysis will not commence until all information is received.**

INFORMATION FOR ADVERSE REPORTING			MEDICAL OFFICER OF HEALTH (MOH)
Waterworks Name:	Phone:	Fax:	Region:
MOECC# (ie: Waterworks #):	After Hours Phone:		PHU Contact:
Contact:	Address/Location (if different from client above)		Phone: Fax:
Email:			Email:

	Date/Time		Date/Time	
Samples Relinquished By (Print Name and Sign): Nicole Burke	Oct 9-24	Samples Received By (Print Name and Sign):	Oct 9/24 2pm	Pink Copy - Client
Samples Relinquished By (Print Name and Sign):	Oct 9/24 3pm	Samples Received By (Print Name and Sign):	Oct 9 3:45pm	Yellow/Golden Copy - AGAT
Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time	White Copy - AGAT

Page 1 of 3

N°: DW 09443

AGAT Laboratories

5835 Coopers Avenue
Mississauga, ON
L4Z 1Y2

P: 905.712.5100 • F: 905.712.5122 • TF: 1.800.856.6261

Drinking Water Chain of Custody Record

Laboratory Use Only

Arrival Condition: ☐ Good ☐ Poor (complete notes)
Arrival Temperature: 3.6 3.8 4.0
AGAT Job Number: 24H207057
Notes: 3 LG BAGGED ICE
#2404448 #3253033

Client Information

Company: Englobe
Contact: Nicole Burke
Address: 903 Barton St E, #22
Stoney Creek, Ont
Phone: 905-379-8859 Fax:
PO #:
Client Project #: T-22-0492-46.003
AGAT Quotation #:

Report Information

1. Name: Paul Raepple
Email: paul.raepple@englobecorp.com
2. Name: Nicole Burke
Email: nicole.burke@englobecorp.com

Report Format

☒ Single Sample per page
☐ Multiple Samples per page

Facility Type (Check all that are applicable)

☐ Large OR ☐ Small
☐ Residential OR ☐ Non-Residential
☐ Municipal OR ☒ Non-Municipal

+ Water Type (Specify in column below)

Raw (R), Treated (TR), Distribution (D), Tap (TP) Private Well (P)

Turnaround Time Required (TAT) *

Regular TAT	7 to 14 business days	☐ Sch 23/24 only
	5 to 7 business days	☒
Rush TAT (please provide prior notification)	3 to 4 business days	☐ Rush
	2 business days	☐ surcharges
	1 business days	☐ apply

Date Required (Rush surcharges may apply):

Requirements (Check one)

☐ O. Regulation 170 ☐ Not Applicable
☐ O. Regulation 243 ☐ Federal
☐ O. Regulation 318/319 ☐ Other

IS THIS WATER BEING CONSUMED BY HUMANS? ☒ Yes ☐ No
DO THE RESULTS REQUIRE REPORTING TO THE MECP OR LOCAL PUBLIC HEALTH UNIT? ☐ Yes ☒ No
FOR RAW WATER (E.G. UNTREATED), IS THE SAMPLE COLLECTED FROM A POINT OF HUMAN CONSUMPTION? ☐ Yes ☒ No

CLIENT IS RESPONSIBLE TO COMPLETE AND SUBMIT LAB SERVICE NOTIFICATION (LSN) FORM TO THE MOECC/PHU. FAILURE TO DO SO MAY DELAY REPORTING.
"NOTIFICATION INFORMATION" MUST BE COMPLETE BELOW UPON SUBMISSION OF SAMPLES. LABORATORY ANALYSIS WILL NOT COMMENCE UNTIL ALL INFORMATION HAS BEEN PROVIDED.

SAMPLE IDENTIFICATION/LOCATION	DATE SAMPLED	TIME SAMPLED	WATER TYPE	# OF CONTAINERS	CHLORINE RESIDUAL (incl. Units)	STANDING	FLUSHED	COMMENTS/STANDING TIME (IN MINUTES)	Inorganics (Sch. 23)	Organics (Sch. 24)	Lead	Fluoride	Sodium	Turbidity	Nitrate, Nitrite	Trihalomethanes / HAAs	E.coli, Total Coliforms	Water Quality Assessment Package
17 Badenoch	Oct 8, 24	2:30 AM/PM	R	7	N/A		X						X		X		X	
18 Badenoch	Oct 8, 24	2:45 AM/PM	↓	↓	↓		↓						↓		↓		↓	
12 Main St.	Oct 8, 24	2:20 AM/PM																
17 Badenoch	Oct 7, 24	9:30 AM/PM																
18 Badenoch	Oct 7, 24	10:00 AM/PM																
12 Badenoch	Oct 7 24	10:30 AM/PM																
7501 Wellington	Oct 7, 24	1:30 AM/PM	↓															

Samples Taken By (Print Name and Sign): Nicole Burke

* TAT is exclusive of weekends and statutory holidays. Prior arrangements must be made with the laboratory in order to submit Microbiology samples on Fridays

NOTIFICATION INFORMATION - (required to report adverse results as per the *Safe Drinking Water Act*) - **Laboratory analysis will not commence until all information is received.**

INFORMATION FOR ADVERSE REPORTING			MEDICAL OFFICER OF HEALTH (MOH)	
Waterworks Name:	Phone:	Fax:	Region:	
MOECC# (ie: Waterworks #):	After Hours Phone:		PHU Contact:	
Contact:	Address/Location (if different from client above)		Phone:	Fax:
Email:			Email:	

Samples Relinquished By (Print Name and Sign): Nicole Burke	Date/Time 2:20pm Oct 9/24	Samples Received By (Print Name and Sign): DTAC	Date/Time Oct 9/24 2pm	Pink Copy - Client
Samples Relinquished By (Print Name and Sign): DTAC	Date/Time Oct 9/24 3pm	Samples Received By (Print Name and Sign):	Date/Time Oct 9 3:45	Yellow/Golden Copy - AGAT
Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time	White Copy- AGAT

Page 2 of 3

N°: DW 09441

Document #: DIV-78 1512 011

Date Revised: March 18, 2021

AGAT Laboratories

5835 Coopers Avenue
Mississauga, ON
L4Z 1Y2

Drinking Water Chain of Custody Record

P: 905.712.5100 • F: 905.712.5122 • TF: 1.800.856.6261

Laboratory Use Only

Arrival Condition: ☐ Good ☐ Poor (complete notes)

Arrival Temperature: 3.6 3.8 4.0

AGAT Job Number:

Notes: 3 LG BAGGED ICE #2 4.0 4.4 4.8 #3 2.8 3.0 3.2

Client Information

Company: AngloBase
Contact: Nicole Burke
Address: 903 Barton St. #22 Stoney Creek, Ont
Phone: 905-379-8259 Fax:
PO #:
Client Project #: T-1-22-048246.003
AGAT Quotation #:

Report Information

1. Name: Paul Raepple
Email: paul.raepple@anglobasecorp.com
2. Name: Nicole Burke
Email: nicole.burke

Report Format

☒ Single Sample per page
☐ Multiple Samples per page

Turnaround Time Required (TAT) *

Regular TAT: 7 to 14 business days ☐ (Sch 23/24 only); 5 to 7 business days ☒
Rush TAT (please provide prior notification): 3 to 4 business days ☒ Rush; 2 business days ☐ surcharges; 1 business days ☐ apply

Date Required (Rush surcharges may apply):

Facility Type *(Check all that are applicable)*

☐ Large OR ☐ Small
☐ Residential OR ☐ Non-Residential
☐ Municipal OR ☒ Non-Municipal

+ Water Type *(Specify in column below)*
Raw (R), Treated (TR), Distribution (D), Tap (TP) Private Well (P)

Requirements *(Check one)*

☐ O. Regulation 170 ☐ Not Applicable
☐ O. Regulation 243 ☐ Federal
☐ O. Regulation 318/319 ☐ Other

IS THIS WATER BEING CONSUMED BY HUMANS? ☒ Yes ☐ No
DO THE RESULTS REQUIRE REPORTING TO THE MECP OR LOCAL PUBLIC HEALTH UNIT? ☐ Yes ☒ No
FOR RAW WATER (E.G. UNTREATED), IS THE SAMPLE COLLECTED FROM A POINT OF HUMAN CONSUMPTION? ☐ Yes ☒ No

CLIENT IS RESPONSIBLE TO COMPLETE AND SUBMIT LAB SERVICE NOTIFICATION (LSN) FORM TO THE MOECC/PHU. FAILURE TO DO SO MAY DELAY REPORTING.
"NOTIFICATION INFORMATION" MUST BE COMPLETE BELOW UPON SUBMISSION OF SAMPLES. LABORATORY ANALYSIS WILL NOT COMMENCE UNTIL ALL INFORMATION HAS BEEN PROVIDED.

SAMPLE IDENTIFICATION/LOCATION	DATE SAMPLED	TIME SAMPLED	WATER TYPE +	# OF CONTAINERS	CHLORINE RESIDUAL (incl. Units)	STANDING	FLUSHED	COMMENTS/STANDING TIME (IN MINUTES)	Inorganics (Sch. 23)	Organics (Sch. 24)	Lead	Fluoride	Sodium	Turbidity	Nitrate, Nitrite	Trihalomethanes / HAAs	E.coli, Total Coliforms	Water Quality Assessment Package		
BH4	10.08.24	10:30 AM/PM	R	7	N/A		X										X	X		
BH4	10.08.24	12:30 AM/PM	R	7	N/A		X										X	X		
BH4	10.08.24	2:30 AM/PM	R	7	N/A		X										X	X		
		AM/PM																		
		AM/PM																		
		AM/PM																		
		AM/PM																		

Samples Taken By (Print Name and Sign): Nicole Burke

* TAT is exclusive of weekends and statutory holidays. Prior arrangements must be made with the laboratory in order to submit Microbiology samples on Fridays

NOTIFICATION INFORMATION - (required to report adverse results as per the *Safe Drinking Water Act*) - **Laboratory analysis will not commence until all information is received.**

INFORMATION FOR ADVERSE REPORTING			MEDICAL OFFICER OF HEALTH (MOH)	
Waterworks Name:	Phone:	Fax:	Region:	
MOECC# (ie: Waterworks #):	After Hours Phone:		PHU Contact:	
Contact:	Address/Location (if different from client above):		Phone:	Fax:
Email:			Email:	

Samples Relinquished By (Print Name and Sign): Nicole Burke	Date/Time: 8:00pm Oct 8/24	Samples Received By (Print Name and Sign): DMAC [signature]	Date/Time: Oct 9/24 2 pm	Pink Copy - Client
Samples Relinquished By (Print Name and Sign): DMAC [signature]	Date/Time: Oct 9/24 3pm	Samples Received By (Print Name and Sign): [signature]	Date/Time: Oct 9 3:45pm	Yellow/Golden Copy - AGAT
Samples Relinquished By (Print Name and Sign):	Date/Time	Samples Received By (Print Name and Sign):	Date/Time	White Copy- AGAT

Page 3 of 3

Nº: DW 09442

AGAT Laboratories

Sample Temperature Log

Client: Englobe

COC# or Work Order #: 24H207057

# of Coolers: 3 Large

# of Submissions:

	Arrival Temperatures - Branch/Driver	Arrival Temperatures - Laboratory
Cooler #1:	5.4 / 5.5 / 5.9	_____ / _____ / _____
Cooler #2:	6.3 / 6.2 / 6.6	_____ / _____ / _____
Cooler #3:	5.9 / 5.5 / 5.8	_____ / _____ / _____
Cooler #4:	_____ / _____ / _____	_____ / _____ / _____
Cooler #5:	_____ / _____ / _____	_____ / _____ / _____
Cooler #6:	_____ / _____ / _____	_____ / _____ / _____
Cooler #7:	_____ / _____ / _____	_____ / _____ / _____
Cooler #8	_____ / _____ / _____	_____ / _____ / _____
Cooler #9:	_____ / _____ / _____	_____ / _____ / _____
Cooler #10:	_____ / _____ / _____	_____ / _____ / _____

Loose ice

IR Gun ID:

Taken By: Tiffany

Date (yyyy/mm/dd): 2024/10/09 **Time:** 3:45 AM / (PM)

IR Gun ID:

Taken By:

Date (yyyy/mm/dd): _____ **Time:** ____:____ AM / PM

Instructions for use of this form: 1) complete all fields of info including total # of coolers and # of submissions rec'd, 2) photocopy and place in each submission prior to giving a WO#, 3) Proceed as normal, write the WO# and scan (please make sure to scan along with the COC)

AGAT Laboratories

Non-Reportable Drinking Water Sample Inquiry Form

This form is to ensure your water is tested and reported in accordance with Ontario Regulation 248/03 for testing of Drinking Water under the Safe Drinking Water Act. We require the information below to help uphold our high standard of regulatory compliance, for both AGAT as a laboratory and you, as our valued customer. Please ensure all information is filled out completely and accurately. If you have any questions, please do not hesitate to contact your AGAT Client Project Manager at 905-712-5100.

(1) What is the purpose for your testing? Please provide details below.

Confirmation of potability of completed test wells.

(2) Please answer the following questions.

(a) Is there a request from a Public Health Inspector or a Ministry of Environment Drinking Water Inspector to complete this testing? ☐ Yes ☑ No
If Yes, please contact an AGAT Client Project Manager at 905-712-5100

(b) Is there a provincial order in effect for your water system? ☐ Yes ☑ No
If Yes, please provide details below including limit for the test parameter if not listed with a standard under O.Reg.169/03

(c) Does your facility have a drinking water system (DWS) number provided by either MECP or MOHLTC? ☐ Yes ☑ No

(i) If yes, why is the sample not reportable to either MECP or MOHLTC? Please provide details below.

(ii) If yes, is the test for sodium and/or fluoride? ☐ Yes ☑ No

- If the test is for sodium and/or fluoride, was sodium and/or fluoride testing completed and reported to the ***MECP*** in the last 57 months or ***MOHLTC*** in the last 60 months?
  ☐ Yes ☑ No

As per the SWDA, Sodium and fluoride (if required by DWS) are required to be tested every 5 years (60 months) by the operator. The sodium and/or fluoride adverse are not required to be reported if two samples are less than 5 years apart.

Document #: ADM-78-2533.004
Issued Date: 2020-08-25

(d) Is the water collected from a Federally owned, operated or regulated property or water source? ☐ Yes ☑ No

If Yes, please indicate this on the COC under Requirements

(3) If you are private home owner looking to test your drinking water, please answer the following questions:

(i) Are you consuming this water from the point of sample collection? ☐ Yes ☐ No

(ii) Do you have a water treatment unit installed in your system? ☐ Yes ☐ No

(iii) Is your water collected before or after treatment?

☐ Before ☐ After ☑ Not Applicable

(iv) Are you testing your water due to concerns regarding your plumbing?

☐ Yes ☐ No

If Yes, have you done any improvements to your plumbing recently? Please provide details below.

For further assistance, please contact the MECP at the following phone and email:

(1) For inquiries related to O.Reg.170 or O.Reg.318/319

Email: waterforms@ontario.ca

Phone Number: 1-866-793-2588

(2) For inquiries related to O.Reg.243 (Schools and Daycares)

Phone Number: 1-855-515-1331.

Company Name: Englobe

DWCOC#: (if applicable)

Name: Nicole Burke for Paul Raepple (please print name)

Date: 2024-10-10 (yyyy-mm-dd)

Signature: Nicole Burke.

AGAT WorkOrder #: (To be entered by AGAT CPM)

Document #: ADM-78-2533.004
Issued Date: 2020-08-25

AGAT Laboratories

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

CLIENT NAME: ENGLOBE CORP.
903, BARTON CREEK
STONEY CREEK, ON L8E5P5
(905) 643-7560
ATTENTION TO: Nicole Burke
PROJECT: T-1-22-0482.003
AGAT WORK ORDER: 24T215439
TRACE ORGANICS REVIEWED BY: Radhika Chakraberty, Trace Organics Lab Manager
WATER ANALYSIS REVIEWED BY: Yris Verastegui, Inorganic Team Lead
DATE REPORTED: Nov 06, 2024
PAGES (INCLUDING COVER): 32
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
- *This Certificate shall not be reproduced except in full, without the written approval of the laboratory.*
- *The test results reported herewith relate only to the samples as received by the laboratory.*
- *Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.*
- *All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.*
- *This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.*
- *For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.*

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Base Neutrals and Acids [Water]

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-05

		SAMPLE DESCRIPTION:		BH4
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-10-31 09:45
Parameter	Unit	G / S	RDL	6278243
Naphthalene	µg/L		0.30	1.22
Acenaphthylene	µg/L		0.31	<0.31
Acenaphthene	µg/L		0.30	<0.30
Fluorene	µg/L		0.31	<0.31
Phenanthrene	µg/L		0.32	<0.32
Anthracene	µg/L		0.30	<0.30
Fluoranthene	µg/L		0.27	<0.27
Pyrene	µg/L		0.20	<0.20
Benzo(a)anthracene	µg/L		0.20	<0.20
Chrysene	µg/L		0.27	<0.27
Benzo(b)fluoranthene	µg/L		0.20	<0.20
Benzo(k)fluoranthene	µg/L		0.20	<0.20
Benzo(a)pyrene	µg/L		0.01	<0.01
Indeno(1,2,3-cd)pyrene	µg/L		0.20	<0.20
Dibenzo(a,h)anthracene	µg/L		0.20	<0.20
Benzo(g,h,i)perylene	µg/L		0.20	<0.20
Phenol	µg/L		1.0	60.0
Bis(2-chloroethyl)ether	µg/L		0.5	<0.5
2-Chlorophenol	µg/L		0.5	<0.5
o-Cresol	µg/L		0.5	6.4
Bis(2-chloroisopropyl)ether	µg/L		0.5	<0.5
m&p-Cresol	µg/L		0.5	10.6
Hexachloroethane	µg/L		0.5	<0.5
2,4-Dimethylphenol	µg/L		0.5	<0.5
2,4-Dichlorophenol	µg/L		0.3	<0.3
1,2,4-Trichlorobenzene	µg/L		0.5	<0.5
p-Chloroaniline	µg/L		1.0	<1.0
Hexachlorobutadiene	µg/L		0.4	<0.4
2-and 1-methyl Napthalene	µg/L		0.5	<0.5

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Base Neutrals and Acids [Water]

DATE RECEIVED: 2024-10-31 **DATE REPORTED: 2024-11-05**

		SAMPLE DESCRIPTION:		BH4
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
2,4,6-Trichlorophenol	µg/L		0.2	<0.2
2,4,5-Trichlorophenol	µg/L		0.2	<0.2
1,1-Biphenyl	µg/L		0.5	<0.5
Dimethyl phthalate	µg/L		0.5	<0.5
2,6-Dinitrotoluene	µg/L		0.5	<0.5
2,4-Dinitrotoluene	µg/L		0.5	<0.5
2,3,4,6-Tetrachlorophenol	µg/L		0.5	<0.5
Diethyl phthalate	µg/L		0.5	<0.5
Hexachlorobenzene	µg/L		0.5	<0.5
Pentachlorophenol	µg/L		0.5	<0.5
3,3'-dichlorobenzidine	µg/L		0.5	<0.5
Bis(2-Ethylhexyl)phthalate	µg/L		0.5	<0.5
2,4-Dinitrophenol	µg/L		10	<10
Sediment				1
Surrogate	**Unit**	**Acceptable Limits**		
2-Fluorophenol	%	50-140		75
phenol-d6 surrogate	%	50-140		70
2,4,6-Tribromophenol	%	50-140		67
Chrysene-d12	%	50-140		77

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

6278243 Note: The result for Benzo(b)Fluoranthene is the total of the Benzo(b)&(j)Fluoranthene isomers because the isomers co-elute on the GC column.
2- and 1-Methyl Naphthalene is a calculated parameter. The calculated value is the sum of 2-Methyl Naphthalene and 1-Methyl Naphthalene.

Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.
Legend: 1 = no sediment present; 2 = sediment present; 3 = sediment present in trace amounts

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Carbamate Pesticides (Water)

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-01

			SAMPLE DESCRIPTION:	BH4
			SAMPLE TYPE:	Water
			DATE SAMPLED:	2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
Aldicarb	µg/L		2.0	<2.0
Bendiocarb	µg/L		2	<2
Carbofuran	µg/L		5	<5
Carbaryl	µg/L		5	<5
Diuron	µg/L		10	<10
Triallate	µg/L		1	<1
Temephos	µg/L		10	<10

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

6278243 Results relate only to the items tested.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Glyphosate in Water

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-06

				SAMPLE DESCRIPTION:	BH4
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243Zh**	
Glyphosate	µg/L		20	<20	

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

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Haloacetic Acids in Water

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-04

		SAMPLE DESCRIPTION:		**BH4**
		SAMPLE TYPE:		**Water**
		DATE SAMPLED:		**2024-10-31 09:45**
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
Monobromoacetic Acid	ug/L		0.5	<0.5
Monochloroacetic Acid	ug/L		0.5	<0.5
Dichloroacetic Acid	ug/L		0.5	<0.5
Dibromoacetic Acid	ug/L		0.5	<0.5
Trichloroacetic Acid	ug/L		0.5	1.2
Haloacetic Acids (HAA5)	ug/L		2.0	<2.0
Bromochloroacetic Acid	ug/L		0.5	<0.5
Surrogate	**Unit**	**Acceptable Limits**		
2-Bromopropionic Acid	%	70-130		95

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

6278243 Haloacetic Acids (HAA5) is a calculated parameter. The calculated value is the sum of Monobromoacetic Acid, Monochloroacetic Acid, Dichloroacetic Acid, Dibromoacetic Acid and Trichloroacetic Acid.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

OP Pesticides (Water)

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-06

			SAMPLE DESCRIPTION:	BH4
			SAMPLE TYPE:	Water
			DATE SAMPLED:	2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
Phorate	µg/L		0.5	<0.5
Dimethoate	µg/L		2.5	<2.5
Terbufos	µg/L		0.5	<0.5
Diazinon	µg/L		1	<1
Malathion	µg/L		5	<5
Chlorpyrifos	µg/L		1	<1
Parathion	µg/L		1	<1
Azinphos-methyl	µg/L		2	<2
Surrogate	**Unit**	**Acceptable Limits**		
Triphenyl phosphate (surr)	%	50-140		92

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ODWS - Table D
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6278243 Results relate only to the items tested.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Paraquat/Diquat (Water)

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-01

				SAMPLE DESCRIPTION:	BH4
				SAMPLE TYPE:	Water
				DATE SAMPLED:	2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243**	
Paraquat	µg/L		1	<1	
Diquat	µg/L		5	<5	

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

6278243 Results relate only to the items tested.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Phenoxy Acid Herbicides (Water)

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-06

		SAMPLE DESCRIPTION:		**BH4**
		SAMPLE TYPE:		**Water**
		DATE SAMPLED:		**2024-10-31 09:45**
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
2,4-D	µg/L		0.5	<0.5
2,4,5-T	µg/L		0.5	<0.5
2,4,5-TP	µg/L		0.5	<0.5
Dicamba	µg/L		0.5	<0.5
Dichlorprop	µg/L		0.5	<0.5
Dinoseb	µg/L		0.5	<0.5
Picloram	µg/L		0.5	<0.5
Diclofop-methyl	µg/L		0.5	<0.5
2,3,4,6-Tetrachlorophenol	µg/L		0.5	<0.5
2,4-Dichlorophenol	µg/L		0.2	<0.2
2,4,5-Trichlorophenol	µg/L		0.5	<0.5
2,4,6-Trichlorophenol	µg/L		0.5	<0.5
Bromoxynil	µg/L		0.3	<0.3
MCPA	µg/L		5.0	<5.0
MCPP	µg/L		5.0	<5.0
Pentachlorophenol	µg/L		0.1	<0.1
Surrogate	**Unit**	**Acceptable Limits**		
DCAA	%	50-140		80

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Total PCBs (Water)

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-06

		SAMPLE DESCRIPTION:		**BH4**
		SAMPLE TYPE:		**Water**
		DATE SAMPLED:		**2024-10-31 09:45**
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
PCBs	µg/L		0.1	<0.1
Surrogate	**Unit**	**Acceptable Limits**		
Decachlorobiphenyl	%	60-130		112

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Triazine Pesticides [Water]

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-06

			SAMPLE DESCRIPTION:	BH4
			SAMPLE TYPE:	Water
			DATE SAMPLED:	2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
Trifluralin	µg/L		1.0	<1.0
Simazine	µg/L		1.0	<1.0
Atrazine	µg/L		0.5	<0.5
Metribuzin	µg/L		0.25	<0.25
Prometryne	µg/L		0.25	<0.25
Metolachlor	µg/L		0.11	<0.11
Alachlor	µg/L		0.5	<0.5
Cyanazine	µg/L		1.0	<1.0
Surrogate	**Unit**	**Acceptable Limits**		
Triphenyl phosphate (surr)	%	30-130		88

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to ODWS - Table D
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

6278243 Results relate only to the items tested.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Volatile Organic Compounds in Water (ug/L)

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-02

		SAMPLE DESCRIPTION:		BH4
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-10-31 09:45
Parameter	Unit	G / S	RDL	6278243
Dichlorodifluoromethane	µg/L		0.40	<0.40
Chloromethane	µg/L		0.20	<0.20
Vinyl Chloride	µg/L		0.17	<0.17
Bromomethane	µg/L		0.20	<0.20
Chloroethane	µg/L		0.20	<0.20
Trichlorofluoromethane	µg/L		0.40	<0.40
Acetone	µg/L		1.0	<1.0
1,1-Dichloroethylene	µg/L		0.2	<0.2
Methylene Chloride	µg/L		0.30	<0.30
trans- 1,2-dichloroethylene	µg/L		0.20	<0.20
Methyl tert-butyl ether	µg/L		0.20	<0.20
1,1-Dichloroethane	µg/L		0.30	<0.30
Methyl Ethyl Ketone	µg/L		1.0	<1.0
cis- 1,2-Dichloroethylene	µg/L		0.20	<0.20
Chloroform	µg/L		0.20	<0.20
1,2-Dichloroethane	µg/L		0.20	<0.20
1,1,1-Trichloroethane	µg/L		0.30	<0.30
Carbon Tetrachloride	µg/L		0.20	<0.20
Benzene	µg/L		0.20	<0.20
1,2-Dichloropropane	µg/L		0.20	<0.20
Trichloroethylene	µg/L		0.20	<0.20
Bromodichloromethane	µg/L		0.20	<0.20
cis-1,3-Dichloropropene	µg/L		0.20	<0.20
Methyl Isobutyl Ketone	µg/L		1.0	<1.0
trans-1,3-Dichloropropene	µg/L		0.30	<0.30
1,1,2-Trichloroethane	µg/L		0.20	<0.20
Toluene	µg/L		0.20	<0.20
2-Hexanone	µg/L		1.0	<1.0
Dibromochloromethane	µg/L		0.10	<0.10

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Volatile Organic Compounds in Water (ug/L)

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-02

		SAMPLE DESCRIPTION:		BH4
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
Ethylene Dibromide	µg/L		0.10	<0.10
Tetrachloroethylene	µg/L		0.20	<0.20
1,1,1,2-Tetrachloroethane	µg/L		0.10	<0.10
Chlorobenzene	µg/L		0.10	<0.10
Ethylbenzene	µg/L		0.10	<0.10
m & p-Xylene	µg/L		0.20	<0.20
Bromoform	µg/L		0.10	<0.10
Styrene	µg/L		0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L		0.10	<0.10
o-Xylene	µg/L		0.10	<0.10
1,3-Dichlorobenzene	µg/L		0.10	<0.10
1,4-Dichlorobenzene	µg/L		0.10	<0.10
1,2-Dichlorobenzene	µg/L		0.10	<0.10
1,2,4-Trichlorobenzene	µg/L		0.30	<0.30
1,3-Dichloropropene (Cis + Trans)	µg/L		0.30	<0.30
Xylenes (Total)	µg/L		0.20	<0.20
n-Hexane	µg/L		0.20	<0.20
Surrogate	**Unit**	**Acceptable Limits**		
Toluene-d8	% Recovery	50-140		106
4-Bromofluorobenzene	% Recovery	50-140		90

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

6278243 Xylenes total is a calculated parameter. The calculated value is the sum of m&p-Xylene + o-Xylene.
1,3-Dichloropropene total is a calculated parameter. The calculated value is the sum of Cis-1,3-Dichloropropene and Trans-1,3-Dichloropropene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: R. Chakraberty

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

(Water) Inorganic Chemistry

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-05

		SAMPLE DESCRIPTION:		BH4
		SAMPLE TYPE:		Water
		DATE SAMPLED:		2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
Fluoride	mg/L		0.05	<0.05
Nitrate as N	mg/L		0.05	0.91
Nitrite as N	mg/L		0.05	<0.05
Cyanide, WAD	mg/L		0.002	<0.002
Total Antimony	mg/L		0.003	<0.003
Total Arsenic	mg/L		0.003	<0.003
Total Barium	mg/L		0.002	0.408
Total Boron	mg/L		0.010	0.017
Total Cadmium	mg/L		0.0001	<0.0001
Total Chromium	mg/L		0.003	<0.003
Total Lead	mg/L		0.0005	0.0010
Total Mercury	mg/L		0.0001	<0.0001
Total Selenium	mg/L		0.002	<0.002
Total Uranium	mg/L		0.0005	0.0007

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

Analysis performed at AGAT Toronto (unless marked by *)

Certified By: Iris Verástegui

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Chloramines

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-05

			SAMPLE DESCRIPTION:	**BH4**
			SAMPLE TYPE:	**Water**
			DATE SAMPLED:	**2024-10-31 09:45**
Parameter	**Unit**	**G / S**	**RDL**	**6278243**
Chloramines - Total	mg/L		0.1	<0.1

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

6278243 Chloramines is a calculated parameter. The calculated parameter is non-accredited. The component parameters of the calculation are accredited.
TRC and Chloramines have been analyzed past the recommended holding time of 15 minutes from sampling. Field measurement recommended for most accurate result

Analysis performed at AGAT Halifax (unless marked by *)

Certified By: Iris Verástegui

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

CLIENT NAME: ENGLOBE CORP.

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Water Analysis - Anion Scan in Water

DATE RECEIVED: 2024-10-31

DATE REPORTED: 2024-11-02

			SAMPLE DESCRIPTION:	BH4
			SAMPLE TYPE:	Water
			DATE SAMPLED:	2024-10-31 09:45
Parameter	**Unit**	**G / S**	**RDL**	**6278243Zi**
Chloride	mg/L		1.0	88.9
Nitrate	mg/L		0.5	2.3
Nitrite	mg/L		0.05	<0.05
Sulfate	mg/L		1.0	34.3
Fluoride	mg/L		0.01	<0.01
Bromide	mg/L		0.1	<0.1
Reporting- W				

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

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: Iris Verástegui

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Trace Organics Analysis

RPT Date:			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
Volatile Organic Compounds in Water (ug/L)															
Dichlorodifluoromethane	6279538		<0.40	<0.40	NA	< 0.40	106%	50%	140%	118%	50%	140%	110%	50%	140%
Chloromethane	6279538		<0.20	<0.20	NA	< 0.20	81%	50%	140%	73%	50%	140%	68%	50%	140%
Vinyl Chloride	6279538		<0.17	<0.17	NA	< 0.17	120%	50%	140%	107%	50%	140%	118%	50%	140%
Bromomethane	6279538		<0.20	<0.20	NA	< 0.20	95%	50%	140%	110%	50%	140%	92%	50%	140%
Chloroethane	6279538		<0.20	<0.20	NA	< 0.20	81%	50%	140%	107%	50%	140%	115%	50%	140%
Trichlorofluoromethane	6279538		<0.40	<0.40	NA	< 0.40	102%	50%	140%	115%	50%	140%	111%	50%	140%
Acetone	6279538		<1.0	<1.0	NA	< 1.0	107%	50%	140%	88%	50%	140%	79%	50%	140%
1,1-Dichloroethylene	6279538		<0.2	<0.2	NA	< 0.2	103%	50%	140%	91%	60%	130%	86%	50%	140%
Methylene Chloride	6279538		<0.30	<0.30	NA	< 0.30	105%	50%	140%	94%	60%	130%	104%	50%	140%
trans- 1,2-dichloroethylene	6279538		<0.20	<0.20	NA	< 0.20	81%	50%	140%	84%	60%	130%	85%	50%	140%
Methyl tert-butyl ether	6279538		<0.20	<0.20	NA	< 0.20	72%	50%	140%	73%	60%	130%	60%	50%	140%
1,1-Dichloroethane	6279538		<0.30	<0.30	NA	< 0.30	74%	50%	140%	79%	60%	130%	85%	50%	140%
Methyl Ethyl Ketone	6279538		<1.0	<1.0	NA	< 1.0	97%	50%	140%	96%	50%	140%	92%	50%	140%
cis- 1,2-Dichloroethylene	6279538		<0.20	<0.20	NA	< 0.20	76%	50%	140%	87%	60%	130%	72%	50%	140%
Chloroform	6279538		<0.20	<0.20	NA	< 0.20	67%	50%	140%	60%	60%	130%	71%	50%	140%
1,2-Dichloroethane	6279538		<0.20	<0.20	NA	< 0.20	94%	50%	140%	103%	60%	130%	85%	50%	140%
1,1,1-Trichloroethane	6279538		<0.30	<0.30	NA	< 0.30	87%	50%	140%	93%	60%	130%	71%	50%	140%
Carbon Tetrachloride	6279538		<0.20	<0.20	NA	< 0.20	84%	50%	140%	85%	60%	130%	89%	50%	140%
Benzene	6279538		<0.20	<0.20	NA	< 0.20	108%	50%	140%	112%	60%	130%	104%	50%	140%
1,2-Dichloropropane	6279538		<0.20	<0.20	NA	< 0.20	99%	50%	140%	102%	60%	130%	98%	50%	140%
Trichloroethylene	6279538		<0.20	<0.20	NA	< 0.20	107%	50%	140%	113%	60%	130%	109%	50%	140%
Bromodichloromethane	6279538		<0.20	<0.20	NA	< 0.20	80%	50%	140%	82%	60%	130%	86%	50%	140%
cis-1,3-Dichloropropene	6279538		<0.20	<0.20	NA	< 0.20	62%	50%	140%	63%	60%	130%	60%	50%	140%
Methyl Isobutyl Ketone	6279538		<1.0	<1.0	NA	< 1.0	100%	50%	140%	100%	50%	140%	103%	50%	140%
trans-1,3-Dichloropropene	6279538		<0.30	<0.30	NA	< 0.30	66%	50%	140%	63%	60%	130%	62%	50%	140%
1,1,2-Trichloroethane	6279538		<0.20	<0.20	NA	< 0.20	100%	50%	140%	106%	60%	130%	105%	50%	140%
Toluene	6279538		<0.20	<0.20	NA	< 0.20	109%	50%	140%	119%	60%	130%	113%	50%	140%
2-Hexanone	6279538		<1.0	<1.0	NA	< 1.0	106%	50%	140%	75%	50%	140%	77%	50%	140%
Dibromochloromethane	6279538		<0.10	<0.10	NA	< 0.10	63%	50%	140%	66%	60%	130%	72%	50%	140%
Ethylene Dibromide	6279538		<0.10	<0.10	NA	< 0.10	90%	50%	140%	95%	60%	130%	96%	50%	140%
Tetrachloroethylene	6279538		<0.20	<0.20	NA	< 0.20	114%	50%	140%	109%	60%	130%	118%	50%	140%
1,1,1,2-Tetrachloroethane	6279538		<0.10	<0.10	NA	< 0.10	69%	50%	140%	80%	60%	130%	80%	50%	140%
Chlorobenzene	6279538		<0.10	<0.10	NA	< 0.10	103%	50%	140%	103%	60%	130%	99%	50%	140%
Ethylbenzene	6279538		<0.10	<0.10	NA	< 0.10	97%	50%	140%	106%	60%	130%	98%	50%	140%
m & p-Xylene	6279538		<0.20	<0.20	NA	< 0.20	107%	50%	140%	114%	60%	130%	110%	50%	140%
Bromoform	6279538		<0.10	<0.10	NA	< 0.10	64%	50%	140%	67%	60%	130%	51%	50%	140%
Styrene	6279538		<0.10	<0.10	NA	< 0.10	94%	50%	140%	96%	60%	130%	93%	50%	140%
1,1,2,2-Tetrachloroethane	6279538		<0.10	<0.10	NA	< 0.10	83%	50%	140%	93%	60%	130%	98%	50%	140%
o-Xylene	6279538		<0.10	<0.10	NA	< 0.10	108%	50%	140%	114%	60%	130%	110%	50%	140%

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T215439
PROJECT: T-1-22-0482.003
ATTENTION TO: Nicole Burke
SAMPLING SITE:11 Main St.
SAMPLED BY:N. Burke

Trace Organics Analysis (Continued)

RPT Date:			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,3-Dichlorobenzene	6279538		<0.10	<0.10	NA	< 0.10	111%	50%	140%	113%	60%	130%	110%	50%	140%
1,4-Dichlorobenzene	6279538		<0.10	<0.10	NA	< 0.10	109%	50%	140%	107%	60%	130%	106%	50%	140%
1,2-Dichlorobenzene	6279538		<0.10	<0.10	NA	< 0.10	109%	50%	140%	107%	60%	130%	105%	50%	140%
1,2,4-Trichlorobenzene	6279538		<0.30	<0.30	NA	< 0.30	110%	50%	140%	91%	60%	130%	99%	50%	140%
n-Hexane	6279538		<0.20	<0.20	NA	< 0.20	107%	50%	140%	96%	60%	130%	112%	50%	140%
Total PCBs (Water)															
PCBs	6275762		< 0.1	< 0.1	NA	< 0.1	96%	50%	140%	99%	50%	140%	98%	50%	140%
OP Pesticides (Water)															
Phorate	6246873		< 0.5	< 0.5	NA	< 0.5	87%	50%	140%	86%	50%	140%	87%	50%	140%
Dimethoate	6246873		< 2.5	< 2.5	NA	< 2.5	108%	50%	140%	101%	50%	140%	101%	50%	140%
Terbufos	6246873		< 0.5	< 0.5	NA	< 0.5	100%	50%	140%	73%	50%	140%	72%	50%	140%
Diazinon	6246873		< 1	< 1	NA	< 1	101%	50%	140%	94%	50%	140%	113%	50%	140%
Malathion	6246873		< 5	< 5	NA	< 5	106%	50%	140%	83%	50%	140%	71%	50%	140%
Chlorpyrifos	6246873		< 1	< 1	NA	< 1	103%	50%	140%	78%	50%	140%	90%	50%	140%
Parathion	6246873		< 1	< 1	NA	< 1	94%	50%	140%	90%	50%	140%	96%	50%	140%
Azinphos-methyl	6246873		< 2	< 2	NA	< 2	93%	50%	140%	79%	50%	140%	99%	50%	140%
Carbamate Pesticides (Water)															
Aldicarb	1		< 2.0	< 2.0	NA	< 2.0	99%	50%	140%	108%	50%	140%	NA	50%	140%
Bendiocarb	1		< 2	< 2	NA	< 2	64%	50%	140%	62%	50%	140%	NA	50%	140%
Carbofuran	1		< 5	< 5	NA	< 5	64%	50%	140%	62%	50%	140%	NA	50%	140%
Carbaryl	1		< 5	< 5	NA	< 5	81%	50%	140%	122%	50%	140%	NA	50%	140%
Diuron	1		< 10	< 10	NA	< 10	93%	50%	140%	86%	50%	140%	NA	50%	140%
Triallate	1		< 1	< 1	NA	< 1	99%	50%	140%	97%	50%	140%	NA	50%	140%
Temephos	1		< 10	< 10	NA	< 10	74%	60%	130%	81%	60%	130%	NA	60%	130%
Phenoxy Acid Herbicides (Water)															
2,4-D	1		< 0.5	< 0.5	NA	< 0.5	90%	50%	140%	85%	50%	140%	NA	50%	140%
2,4,5-T	1		< 0.5	< 0.5	NA	< 0.5	92%	50%	140%	82%	50%	140%	NA	50%	140%
2,4,5-TP	1		< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	86%	50%	140%	NA	50%	140%
Dicamba	1		< 0.5	< 0.5	NA	< 0.5	94%	50%	140%	84%	50%	140%	NA	50%	140%
Dichlorprop	1		< 0.5	< 0.5	NA	< 0.5	102%	50%	140%	75%	50%	140%	NA	50%	140%
Dinoseb	1		< 0.5	< 0.5	NA	< 0.5	80%	50%	140%	76%	50%	140%	NA	50%	140%
Picloram	1		< 0.5	< 0.5	NA	< 0.5	84%	50%	140%	82%	50%	140%	NA	50%	140%
Diclofop-methyl	1		< 0.5	< 0.5	NA	< 0.5	92%	50%	140%	86%	50%	140%	NA	50%	140%
2,3,4,6-Tetrachlorophenol	1		< 0.5	< 0.5	NA	< 0.5	92%	50%	140%	88%	50%	140%	NA	50%	140%
2,4-Dichlorophenol	1		< 0.2	< 0.2	NA	< 0.2	90%	50%	140%	90%	50%	140%	NA	50%	140%
2,4,5-Trichlorophenol	1		< 0.5	< 0.5	NA	< 0.5	89%	50%	140%	85%	50%	140%	NA	50%	140%
2,4,6-Trichlorophenol	1		< 0.5	< 0.5	NA	< 0.5	86%	50%	140%	87%	50%	140%	NA	50%	140%
Bromoxynil	1		< 0.3	< 0.3	NA	< 0.3	90%	50%	140%	85%	50%	140%	NA	50%	140%

AGAT Laboratories

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Trace Organics Analysis (Continued)

RPT Date:			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
MCPA	1		< 5.0	< 5.0	NA	< 5.0	98%	50%	140%	95%	50%	140%	NA	50%	140%
MCPP	1		< 5.0	< 5.0	NA	< 5.0	96%	50%	140%	81%	50%	140%	NA	50%	140%
Pentachlorophenol	1		< 0.1	< 0.1	NA	< 0.1	94%	50%	140%	98%	50%	140%	NA	50%	140%
Triazine Pesticides [Water]															
Trifluralin	6246873		< 1.0	< 1.0	NA	< 1.0	110%	50%	140%	67%	50%	140%	85%	50%	140%
Simazine	6246873		< 1.0	< 1.0	NA	< 1.0	97%	50%	140%	83%	50%	140%	100%	50%	140%
Atrazine	6246873		< 0.5	< 0.5	NA	< 0.5	94%	50%	140%	100%	50%	140%	114%	50%	140%
Metribuzin	6246873		< 0.25	< 0.25	NA	< 0.25	124%	50%	140%	107%	50%	140%	104%	50%	140%
Prometryne	6246873		< 0.25	< 0.25	NA	< 0.25	91%	50%	140%	81%	50%	140%	79%	50%	140%
Metolachlor	6246873		< 0.11	< 0.11	NA	< 0.11	98%	50%	140%	79%	50%	140%	101%	50%	140%
Alachlor	6246873		< 0.5	< 0.5	NA	< 0.5	94%	50%	140%	78%	50%	140%	107%	50%	140%
Cyanazine	6246873		< 1.0	< 1.0	NA	< 1.0	112%	50%	140%	87%	50%	140%	108%	50%	140%
Base Neutrals and Acids [Water]															
Naphthalene	6275685		< 0.30	< 0.30	NA	< 0.30	91%	50%	140%	71%	50%	140%	73%	50%	140%
Acenaphthylene	6275685		< 0.31	< 0.31	NA	< 0.31	82%	50%	140%	72%	50%	140%	76%	50%	140%
Acenaphthene	6275685		< 0.30	< 0.30	NA	< 0.30	88%	50%	140%	69%	50%	140%	69%	50%	140%
Fluorene	6275685		< 0.31	< 0.31	NA	< 0.31	110%	50%	140%	88%	50%	140%	78%	50%	140%
Phenanthrene	6275685		< 0.32	< 0.32	NA	< 0.32	111%	50%	140%	84%	50%	140%	72%	50%	140%
Anthracene	6275685		< 0.30	< 0.30	NA	< 0.30	108%	50%	140%	87%	50%	140%	78%	50%	140%
Fluoranthene	6275685		< 0.27	< 0.27	NA	< 0.27	100%	50%	140%	98%	50%	140%	94%	50%	140%
Pyrene	6275685		< 0.20	< 0.20	NA	< 0.20	106%	50%	140%	99%	50%	140%	95%	50%	140%
Benzo(a)anthracene	6275685		< 0.20	< 0.20	NA	< 0.20	106%	50%	140%	100%	50%	140%	98%	50%	140%
Chrysene	6275685		< 0.27	< 0.27	NA	< 0.27	112%	50%	140%	108%	50%	140%	102%	50%	140%
Benzo(b)fluoranthene	6275685		< 0.20	< 0.20	NA	< 0.20	113%	50%	140%	78%	50%	140%	84%	50%	140%
Benzo(k)fluoranthene	6275685		< 0.20	< 0.20	NA	< 0.20	97%	50%	140%	90%	50%	140%	93%	50%	140%
Benzo(a)pyrene	6275685		< 0.01	< 0.01	NA	< 0.01	112%	50%	140%	82%	50%	140%	80%	50%	140%
Indeno(1,2,3-cd)pyrene	6275685		< 0.20	< 0.20	NA	< 0.20	77%	50%	140%	103%	50%	140%	63%	50%	140%
Dibenzo(a,h)anthracene	6275685		< 0.20	< 0.20	NA	< 0.20	78%	50%	140%	67%	50%	140%	71%	50%	140%
Benzo(g,h,i)perylene	6275685		< 0.20	< 0.20	NA	< 0.20	83%	50%	140%	97%	50%	140%	76%	50%	140%
Phenol	6275685		< 1.0	< 1.0	NA	< 1.0	80%	50%	140%	62%	50%	140%	75%	50%	140%
Bis(2-chloroethyl)ether	6275685		< 0.5	< 0.5	NA	< 0.5	82%	50%	140%	68%	50%	140%	74%	50%	140%
2-Chlorophenol	6275685		< 0.5	< 0.5	NA	< 0.5	93%	50%	140%	112%	50%	140%	115%	50%	140%
o-Cresol	6275685		< 0.5	< 0.5	NA	< 0.5	78%	50%	140%	65%	50%	140%	73%	50%	140%
Bis(2-chloroisopropyl)ether	6275685		< 0.5	< 0.5	NA	< 0.5	74%	50%	140%	66%	50%	140%	68%	50%	140%
m&p-Cresol	6275685		< 0.5	< 0.5	NA	< 0.5	108%	50%	140%	120%	50%	140%	75%	50%	140%
Hexachloroethane	6275685		< 0.5	< 0.5	NA	< 0.5	81%	50%	140%	67%	50%	140%	70%	50%	140%
2,4-Dimethylphenol	6275685		< 0.5	< 0.5	NA	< 0.5	77%	30%	130%	102%	30%	130%	110%	30%	130%
2,4-Dichlorophenol	6275685		< 0.3	< 0.3	NA	< 0.3	98%	50%	140%	97%	50%	140%	93%	50%	140%

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.
AGAT WORK ORDER: 24T215439
PROJECT: T-1-22-0482.003
ATTENTION TO: Nicole Burke
SAMPLING SITE:11 Main St.
SAMPLED BY:N. Burke

Trace Organics Analysis (Continued)

RPT Date:			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
1,2,4-Trichlorobenzene	6275685		< 0.5	< 0.5	NA	< 0.5	98%	50%	140%	77%	50%	140%	75%	50%	140%
p-Chloroaniline	6275685		< 1.0	< 1.0	NA	< 1.0	94%	50%	140%	71%	50%	140%	69%	50%	140%
Hexachlorobutadiene	6275685		< 0.4	< 0.4	NA	< 0.4	114%	50%	140%	90%	50%	140%	84%	50%	140%
2,4,6-Trichlorophenol	6275685		< 0.2	< 0.2	NA	< 0.2	106%	50%	140%	97%	50%	140%	108%	50%	140%
2,4,5-Trichlorophenol	6275685		< 0.2	< 0.2	NA	< 0.2	101%	50%	140%	66%	50%	140%	69%	50%	140%
1,1-Biphenyl	6275685		< 0.5	< 0.5	NA	< 0.5	95%	50%	140%	75%	50%	140%	76%	50%	140%
Dimethyl phthalate	6275685		< 0.5	< 0.5	NA	< 0.5	98%	50%	140%	71%	50%	140%	75%	50%	140%
2,6-Dinitrotoluene	6275685		< 0.5	< 0.5	NA	< 0.5	108%	50%	140%	74%	50%	140%	79%	50%	140%
2,4-Dinitrotoluene	6275685		< 0.5	< 0.5	NA	< 0.5	87%	50%	140%	65%	50%	140%	73%	50%	140%
2,3,4,6-Tetrachlorophenol	6275685		< 0.5	< 0.5	NA	< 0.5	64%	50%	140%	70%	50%	140%	69%	50%	140%
Diethyl phthalate	6275685		< 0.5	< 0.5	NA	< 0.5	109%	50%	140%	89%	50%	140%	78%	50%	140%
Hexachlorobenzene	6275685		< 0.5	< 0.5	NA	< 0.5	111%	50%	140%	104%	50%	140%	88%	50%	140%
Pentachlorophenol	6275685		< 0.5	< 0.5	NA	< 0.5	91%	50%	140%	108%	50%	140%	107%	50%	140%
3,3'-dichlorobenzidine	6275685		< 0.5	< 0.5	NA	< 0.5	107%	30%	130%	92%	30%	130%	80%	30%	130%
Bis(2-Ethylhexyl)phthalate	6275685		< 0.5	< 0.5	NA	< 0.5	107%	50%	140%	93%	50%	140%	98%	50%	140%
2,4-Dinitrophenol	6275685		< 10	< 10	NA	< 10	106%	30%	130%	70%	30%	130%	100%	30%	130%
Paraquat/Diquat (Water)															
Paraquat	1		< 1	< 1	NA	< 1	101%	50%	140%	104%	50%	140%	NA	50%	140%
Diquat	1		< 5	< 5	NA	< 5	110%	50%	140%	110%	50%	140%	NA	50%	140%
Haloacetic Acids in Water															
Monobromoacetic Acid	6277992	6277992	0.7	0.6	NA	< 0.5	97%	70%	130%	60%	60%	130%	70%	70%	130%
Monochloroacetic Acid	6277992	6277992	< 0.5	< 0.5	NA	< 0.5	104%	70%	130%	60%	60%	130%	70%	70%	130%
Dichloroacetic Acid	6277992	6277992	< 0.5	< 0.5	NA	< 0.5	99%	70%	130%	84%	60%	130%	102%	70%	130%
Dibromoacetic Acid	6277992	6277992	1.3	1.2	NA	< 0.5	87%	70%	130%	76%	60%	130%	96%	70%	130%
Trichloroacetic Acid	6277992	6277992	1.3	1.3	NA	< 0.5	89%	70%	130%	71%	60%	130%	90%	70%	130%
Bromochloroacetic Acid	6277992	6277992	< 0.5	< 0.5	0.0%	< 0.5	116%	70%	130%	103%	60%	130%	115%	70%	130%

Comments: When the average of the sample and duplicate results is less than 5x the RDL, the Relative Percent Difference (RPD) will be indicated as Not Applicable (NA).

Glyphosate in Water															
Glyphosate	992	6278243	< 20	< 20	NA	< 20	115%	50%	140%	108%	50%	140%	108%	50%	140%

Comments: Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.
The sample spikes and dups are not from the same sample ID.

Certified By: R. Chakraborty

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

Quality Assurance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

Water Analysis

RPT Date:			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
(Water) Inorganic Chemistry															
Fluoride	6280571		<0.05	<0.05	NA	< 0.05	100%	70%	130%	102%	80%	120%	99%	70%	130%
Nitrate as N	6280571		<0.07	<0.07	NA	< 0.05	93%	70%	130%	95%	80%	120%	95%	70%	130%
Nitrite as N	6280571		<0.05	<0.05	NA	< 0.05	95%	70%	130%	96%	80%	120%	95%	70%	130%
Cyanide, WAD	6269091		<0.002	<0.002	NA	< 0.002	99%	70%	130%	96%	80%	120%	100%	70%	130%
Total Antimony	6278243	6278243	<0.003	<0.003	NA	< 0.003	102%	70%	130%	104%	80%	120%	107%	70%	130%
Total Arsenic	6278243	6278243	<0.003	<0.003	NA	< 0.003	106%	70%	130%	106%	80%	120%	109%	70%	130%
Total Barium	6278243	6278243	0.408	0.436	6.6%	< 0.002	104%	70%	130%	101%	80%	120%	81%	70%	130%
Total Boron	6278243	6278243	0.017	0.037	NA	< 0.010	105%	70%	130%	126%	80%	120%	115%	70%	130%
Total Cadmium	6278243	6278243	<0.0001	0.0002	NA	< 0.0001	100%	70%	130%	98%	80%	120%	105%	70%	130%
Total Chromium	6278243	6278243	<0.003	<0.003	NA	< 0.003	100%	70%	130%	98%	80%	120%	100%	70%	130%
Total Lead	6278243	6278243	0.0010	0.0017	NA	< 0.0005	101%	70%	130%	102%	80%	120%	102%	70%	130%
Total Mercury	6278243	6278243	<0.0001	<0.0001	NA	< 0.0001	100%	70%	130%	101%	80%	120%	96%	70%	130%
Total Selenium	6278243	6278243	<0.002	<0.002	NA	< 0.002	102%	70%	130%	101%	80%	120%	100%	70%	130%
Total Uranium	6278243	6278243	0.0007	0.0013	NA	< 0.0005	99%	70%	130%	90%	80%	120%	103%	70%	130%

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

Water Analysis - Anion Scan in Water															
Chloride	1	6278243	88.9	92.3	3.7%	< 1.0	90%	70%	130%	86%	80%	120%	NA	70%	130%
Nitrate	1	6278243	2.8	2.5	10.2%	< 0.5	88%	70%	130%	88%	80%	120%	82%	70%	130%
Nitrite	1	6278243	<0.20	<0.20	NA	< 0.05	84%	70%	130%	81%	80%	120%	79%	70%	130%
Sulfate	1	6278243	31.1	34.0	8.9%	< 1.0	88%	70%	130%	87%	80%	120%	83%	70%	130%
Fluoride	1	6278243	<0.06	<0.06	NA	< 0.01	90%	70%	130%	93%	80%	120%	85%	70%	130%
Bromide	1	6278243	<0.2	<0.2	NA	< 0.1	88%	70%	130%	89%	80%	120%	89%	70%	130%

Comments: Matrix spike NA: Spike level < native concentration. Matrix spike acceptance limits do not apply and are not calculated.
Duplicate NA: results are less than 5X the RDL and RDP will not be calculated.

Nitrate and Nitrite: The regulatory hold time for the analysis of nitrate and/or nitrite in water is 72 hours.

Certified By: Iris Verástegui

AGAT Laboratories

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

QC Exceedance

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

RPT Date:		REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Sample Id	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
			Lower	Upper		Lower	Upper		Lower	Upper
(Water) Inorganic Chemistry										
Total Boron	6278243	105%	70%	130%	126%	80%	120%	115%	70%	130%

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

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Naphthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Acenaphthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluorene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenanthrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)anthracene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(b)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(k)fluoranthene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Benzo(a)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Indeno(1,2,3-cd)pyrene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dibenzo(a,h)anthracene	ORG-91-5114	modified from EPA 3510C and EPA 8270E	GC/MS
Benzo(g,h,i)perylene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Phenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroethyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Chlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
o-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-chloroisopropyl)ether	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
m&p-Cresol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Hexachloroethane	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dimethylphenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,2,4-Trichlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
p-Chloroaniline	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Hexachlorobutadiene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-and 1-methyl Napthalene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,5-Trichlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
1,1-Biphenyl	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Dimethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,6-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrotoluene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,3,4,6-Tetrachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Diethyl phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Hexachlorobenzene	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Pentachlorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
3,3'-dichlorobenzidine	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Bis(2-Ethylhexyl)phthalate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4-Dinitrophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2-Fluorophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
phenol-d6 surrogate	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
2,4,6-Tribromophenol	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Chrysene-d12	ORG-91-5114	modified from EPA 3510C, 8270E & ON MOECC E3265	GC/MS
Sediment			N/A
Aldicarb	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Bendiocarb	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Carbofuran	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Carbaryl	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Diuron	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Triallate	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Temephos	ORG-91-5101	EPA 632 531.1 & MOE E3158	HPLC
Glyphosate	TO-1320	"In house" method based on OSHA Method # PV2067	HPLC
Monobromoacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Monochloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Dichloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Dibromoacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Trichloroacetic Acid	ORG-91-5121	EPA 552.3	GC ECD
Haloacetic Acids (HAA5)	ORG-91-5121	EPA 552.3	GC ECD

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Bromochloroacetic Acid	ORG-91-5121	EPA 552.3	GC/ECD
2-Bromopropionic Acid	ORG-91-5121	EPA 552.3	GC/ECD
Phorate	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Dimethoate	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Terbufos	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Diazinon	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Malathion	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Chlorpyrifos	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Parathion	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Azinphos-methyl	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Triphenyl phosphate (surr)	ORG-91-5103	modified from EPA SW-846 3510C, 8141B & 8270E	GC/MS
Paraquat	ORG-91-5102	EPA 549.1	HPLC
Diquat	ORG-91-5102	EPA 549.1	HPLC
2,4-D	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
2,4,5-T	ORG-91-5510	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
2,4,5-TP	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
Dicamba	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
Dichlorprop	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
Dinoseb	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
Picloram	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
Diclofop-methyl	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
2,3,4,6-Tetrachlorophenol	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
2,4-Dichlorophenol	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
2,4,5-Trichlorophenol	ORG-91-5100	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
2,4,6-Trichlorophenol	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
Bromoxynil	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
MCPA	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
MCPP	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
Pentachlorophenol	ORG-91-5110	modified from EPA 515.2, EPA SW-846 8151A	GC/ECD
DCAA	ORG-91-5110	EPA SW-846 8151	GC/ECD
PCBs	ORG-91-5112	EPA SW-846 3510 & 8082	GC/ECD

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Decachlorobiphenyl	ORG-91-5112	EPA SW-846 3510 & 8082	GC/ECD
Trifluralin	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Simazine	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Atrazine	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Metribuzin	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Prometryne	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Metolachlor	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Alachlor	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Cyanazine	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Triphenyl phosphate (surr)	ORG-91-5104	EPA SW-846 3510C, 8270D & MOE E3121	GC/MS
Dichlorodifluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromomethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Acetone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans- 1,2-dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chloroform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Benzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
cis-1,3-Dichloropropene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
trans-1,3-Dichloropropene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Toluene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
2-Hexanone	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Bromoform	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Styrene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
o-Xylene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,2,4-Trichlorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
1,3-Dichloropropene (Cis + Trans)	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
Xylenes (Total)	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
n-Hexane	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Toluene-d8	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	modified from EPA 5030B & EPA 8260D	(P&T)GC/MS

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ultra Trace Analysis			
2,3,7,8-Tetra CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8-Penta CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,7,8-Hexa CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,6,7,8-Hexa CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8,9-Hexa CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,6,7,8-Hepta CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Octa CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
2,3,7,8-Tetra CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8-Penta CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
2,3,4,7,8-Penta CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,7,8-Hexa CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,6,7,8-Hexa CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
2,3,4,6,7,8-Hexa CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8,9-Hexa CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,6,7,8-Hepta CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,7,8,9-Hepta CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Octa CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Tetra CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Penta CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Hexa CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Hepta CDD	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total PCDDs	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Tetra CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Penta CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Hexa CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total Hepta CDF	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total PCDFs	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
2,3,7,8-Tetra CDD (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8-Penta CDD (TEQ	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,7,8-Hexa CDD (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,6,7,8-Hexa CDD (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8,9-Hexa CDD (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,6,7,8-Hepta CDD (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Octa CDD (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
2,3,7,8-Tetra CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8-Penta CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
2,3,4,7,8-Penta CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,7,8-Hexa CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,6,7,8-Hexa CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
2,3,4,6,7,8-Hexa CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,7,8,9-Hexa CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,6,7,8-Hepta CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
1,2,3,4,7,8,9-Hepta CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Octa CDF (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
Total PCDDs and PCDFs (TEQ)	HR-151-5400F	CEAEQ MA.400-DF 1.1; USEPA 1613,1311; EPSI/RM/19	APGC
13C-2,3,7,8-TCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,7,8-PeCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-2,3,4,7,8-PeCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,4,7,8-HxCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,6,7,8-HxCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-2,3,4,6,7,8-HxCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,7,8,9-HxCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,4,6,7,8-HpCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,4,7,8,9-HpCDF	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-2,3,7,8-TCDD	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC

AGAT Laboratories

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

Method Summary

CLIENT NAME: ENGLOBE CORP.

AGAT WORK ORDER: 24T215439

PROJECT: T-1-22-0482.003

ATTENTION TO: Nicole Burke

SAMPLING SITE:11 Main St.

SAMPLED BY:N. Burke

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
13C-1,2,3,7,8-PeCDD	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,4,7,8-HxCDD	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,6,7,8-HxCDD	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-1,2,3,4,6,7,8-HpCDD	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
13C-OCDD	HR-151-5400F	CEAEQ MA.400 - DF 1.0; USEPA 1613	APGC
Water Analysis			
Fluoride	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Nitrate as N	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Nitrite as N	INOR-93-6004	modified from SM 4110 B	ION CHROMATOGRAPH
Cyanide, WAD	INOR-93-6052	modified from ON MOECC E3015,SM 4500-CN- I, G-387	SEGMENTED FLOW ANALYSIS
Total Antimony	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Arsenic	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Barium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Boron	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Cadmium	MET -93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Chromium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Lead	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Mercury	MET-93-6100	modified from EPA 245.2 and SM 3112 B	CVAAS
Total Selenium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Total Uranium	MET-93-6103	modified from EPA 200.8, 3005A, 3010A & 6020B	ICP-MS
Chloramines - Total			CALCULATION
Chloride	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Nitrate	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Nitrite	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Sulfate	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Fluoride	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Bromide	INST 0150	SM 4110 B	ION CHROMATOGRAPH
Reporting- W			N/A

AGAT Laboratories

Have feedback? Scan here for a quick survey!

5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
Ph: 905.712.5100 Fax: 905.712.5122
webearth.agatlabs.com

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Laboratory Use Only

Work Order #: 24T215439
Cooler Quantity: 2 large
Arrival Temperatures: 9.2 | 9.5 | 9.8
~~Depot~~ Temperatures: 9.6 | 9.2 | 9.9
Custody Seal Intact: ☐ Yes ☐ No ☒ N/A
Notes: no ice

Report Information:

Company: Englobe
Contact: Nicole Burke
Address: 903 Barton St E, #22 Stoney Creek, Ont
Phone: 905-379-8059 Fax:
Reports to be sent to:
1. Email: nicole.burke@englobecorp.com
2. Email: paul.raepple@englobecorp.com

Regulatory Requirements:

(Please check all applicable boxes)

- ☐ Regulation 153/04 — Table (Indicate One): ☐ Ind/Com ☐ Res/Park ☐ Agriculture
- Soil Texture (Check One): ☐ Coarse ☐ Fine
- ☐ Regulation 406 — Table (Indicate One): ☐ Ind/Com ☐ Res/Park ☐ Agriculture
- ☐ Regulation 558
- ☐ CCME
- ☐ Sewer Use: ☐ Sanitary ☐ Storm — Region
- ☐ Prov. Water Quality Objectives (PWQO)
- ☒ Other: O.Reg 169/03 Sched. 2 (Indicate One)

Turnaround Time (TAT) Required:

Regular TAT ☒ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply) ☐ 3 Business Days ☐ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays

For 'Same Day' analysis, please contact your AGAT CSR

Project Information:

Project: T-1-22-0482.003
Site Location: 11 Main St. Puslinch
Sampled By: N. Burke
AGAT Quote #: PO:

Please note: If quotation number is not provided, client will be billed full price for analysis.

Is this submission for a **Record of Site Condition (RSC)?** ☐ Yes ☐ No

Report Guideline on Certificate of Analysis ☒ Yes ☐ No

Legal Sample ☐

Invoice Information:

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

Sample Matrix Legend

GW	Ground Water	SD	Sediment
O	Oil	SW	Surface Water
P	Paint	R	Rock/Shale
S	Soil		

	Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Field Filtered - Metals, Hg, CrVI, DOC (Y/N)	O. Reg 153: Metals & Inorganics	O. Reg 153: Metals - ☐ CrVI, ☐ Hg, ☐ HWSB	O. Reg 153: BTEX, F1-F4 PHCs	O. Reg 153: VOC	O. Reg 153: PAHs	O. Reg 153: PCBs: Aroclors ☐	O. Reg 406: Regulation 406 Characterization Package	O. Reg 406: pH, Metals, BTEX, F1-F4	O. Reg 406: EC, SAR	O. Reg 406: Regulation 406 SPLP Rainwater Leach mSPLP: ☐ Metals ☐ VOCs ☐ SVOCs ☐ OC	O. Reg 558: Landfill Disposal Characterization TCLP: TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs	Corrosivity: ☐ Moisture ☐ Sulphide	OC/PCB/organophosphorus	Dioxins/Furans	Paraquat/Diquat	ABN	Glyphosate	+AMPA	Potentially Hazardous or High Concentration (Y/N)
1.	BH4	10.31.24	9:45 AM	34	GW	As per tests request			X	X	X									X	X	X	X	X	X	
2.			AM PM																							
3.			AM PM																							
4.			AM PM																							
5.			AM PM																							
6.			AM PM																							
7.			AM PM																							
8.			AM PM																							
9.			AM PM																							
10.			AM PM																							
11.			AM PM																							

Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Nicole Burke	10.31.24	11:35am	Tiffany Persaud		'24OCT31 11:36AM
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time
Samples Relinquished By (Print Name and Sign):	Date	Time	Samples Received By (Print Name and Sign):	Date	Time

Page 1 of 1

Nº: T - 163837

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

Document ID: DIV-78-1511.024

Any and all products and/or services provided by AGAT Labs are pursuant to the terms and conditions as set forth at www.agatlabs.com/termsandconditions unless otherwise agreed in a current written contractual document.

Date Issued: Aug 29, 2024