



August 20, 2024

4485204 Nova Scotia Limited
PO Box 27055
Halifax, Nova Scotia B3H 4M8

Attn: Mr. Allan Bardsley, sent via email [REDACTED]

Subject: **Test Pit Soil Investigation Report - Civic Nos. 5249 St. Margarets Bay Road PID No. 41454133), Upper Tantallon, Nova Scotia**
Englobe reference: 2301273.001

1 Introduction

Englobe Corp. (Englobe) conducted a Test Pit Soil Investigation at Civic No. 5249 St. Margarets Bay Road (PID No. 41454133) in Upper Tantallon, Halifax, Nova Scotia. This investigation aimed to address potential environmental concerns identified in Englobe's Phase I Environmental Site Assessment (ESA) report which covered both 5249 St. Margarets Bay Road and 51 Sonnys Road (PID Nos 41454133 and 41454125), Upper Tantallon, Nova Scotia, dated March 16, 2023.

During the site visit for the Phase I ESA, an abandoned steel fuel oil aboveground storage tank (AST), lying on its side, was observed along the west side of the building at 5249 St. Margarets Bay Road, next to a 2006-stamped fuel oil AST that was in use at the time. The abandoned AST (450-L, date stamped 2012) appeared to be the same AST observed during a previous Phase I ESA conducted by Englobe in 2014. The abandoned AST was removed from the site before the test pit program conducted on July 24, 2024.

Due to the unknown reason for replacing the 2012 steel AST with an older 2006 AST and the fact that the abandoned AST was discarded on-site after the current AST was installed, Englobe recommended collecting soil samples from the area around the current and abandoned ASTs for laboratory analysis of petroleum hydrocarbons to confirm that the soil quality meets the applicable criteria.

The results of the investigation are discussed below and serve to complement our March 2023 Phase I ESA report for this site.

2 Scope Of Work

The scope of work for the current test pit investigation included the following:

- Conducting a test pit program at the site to assess the current subsurface environmental conditions near the abandoned and current ASTs.
- Submitting selected soil samples collected from the test pit for laboratory analysis of total petroleum hydrocarbons (TPH) and benzene, toluene, ethylbenzene, and xylenes (BTEX parameters).

- Comparing the analytical results to the applicable criteria for the site, specifically the 2013 (updated 2022) Nova Scotia Environment and Climate Change (NSECC) Tier 1 Environmental Quality Standards (EQS) for a commercial site with potable groundwater and coarse-grained soil.
- Preparing a written report summarizing the methodology used, the findings of the investigation, and any recommendations for additional work.

3 Test Pit Investigation

On July 24, 2024, Englobe supervised the test pit investigation to assess subsurface conditions for potential PHC impacts in the area of the abandoned and current AST. The program involved excavating one test pit (TP1) at the location shown in Figure 1 of Appendix A. The excavation was carried out by the property owner using a 6-ton tracked excavator.

3.1 Utility Clearances and Site Access

Before commencing the intrusive assessment, 4485204 Nova Scotia Limited contacted the previous property owner to inquire about any underground infrastructure at the site. This utility clearance process aimed to reduce the risk of property damage and personal injury by identifying the locations of buried lines and services to avoid disturbing them during excavation activities.

No utilities were encountered or contacted during the intrusive program.

3.2 Soil Sampling

Soil samples were collected from the test pit following standard operating procedures. These samples were placed in laboratory-supplied glass containers, preserved when necessary, and stored in ice-packed coolers until they arrived at the laboratory. One soil sample (TP1-S1) from the abandoned fuel oil AST location was selected and submitted to Bureau Veritas (BV) in Bedford, NS, for TPH/BTEX analysis. This sample was chosen based on visual observations made during fieldwork, such as staining, water level, and stratigraphic location.

4 Geologic and Hydrogeological Conditions

The subsurface geological conditions observed during the test pit investigation consisted of a grassed surface and topsoil layer followed by fill material. The fill was primarily loose sand with some gravel, moist, and brown in color. The test pit was terminated within this fill material at a depth of 0.61 meters below ground surface (mbgs). Groundwater was not encountered. Site photographs can be found in Appendix D.

5 Analytical Results

The analytical results are presented in Table 1 in Appendix B and compared to the 2013 (with 2022 updates) NSECC Tier 1 EQS for a commercial site with potable groundwater and coarse-grained soil which applies to the current conditions for the site. Additionally, the analytical results were compared to the 2013 (with 2022 updates) NSECC Tier 1 EQS for a residential site with potable groundwater and coarse-grained soil to account for potential future redevelopment. A copy of the laboratory certificate of analysis is provided in Appendix C.

Modified TPH concentrations and all BTEX parameters were reported as either 'non-detect' (below the reportable detection limit (RDL) of the laboratory) or at trace levels that satisfy the Tier 1 EQS.

6 Discussion and Recommendations

Based on the site conditions encountered during the test pit excavation program and analytical results obtained, no environmental concerns were identified at the subject site.

No further site assessment work is recommended.

7 Statement of Limitations

Our assessment was conducted in accordance with the agreed upon scope using the methodology set out in this report. The opinions in this report are given using generally accepted scientific judgement, principles, and practices; however, because of the inherent uncertainty in this process no guarantee of conclusion is intended or can be given.

The statements and conclusions presented in this report are professional opinions based upon visual observations made during the excavation of one test pit and interpretation of select chemical analyses.

This report was prepared for the exclusive use of 4485204 Nova Scotia Limited. The scope of the services performed may not be appropriate to satisfy the needs of third parties. Any use which a third party makes of this report, or any reliance on or decisions made based on it, is the sole responsibility of the third party. Englobe accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

We trust the enclosed to your satisfaction. If, however, additional information should be required, please communicate with the undersigned.

Yours truly,
Englobe Corp.



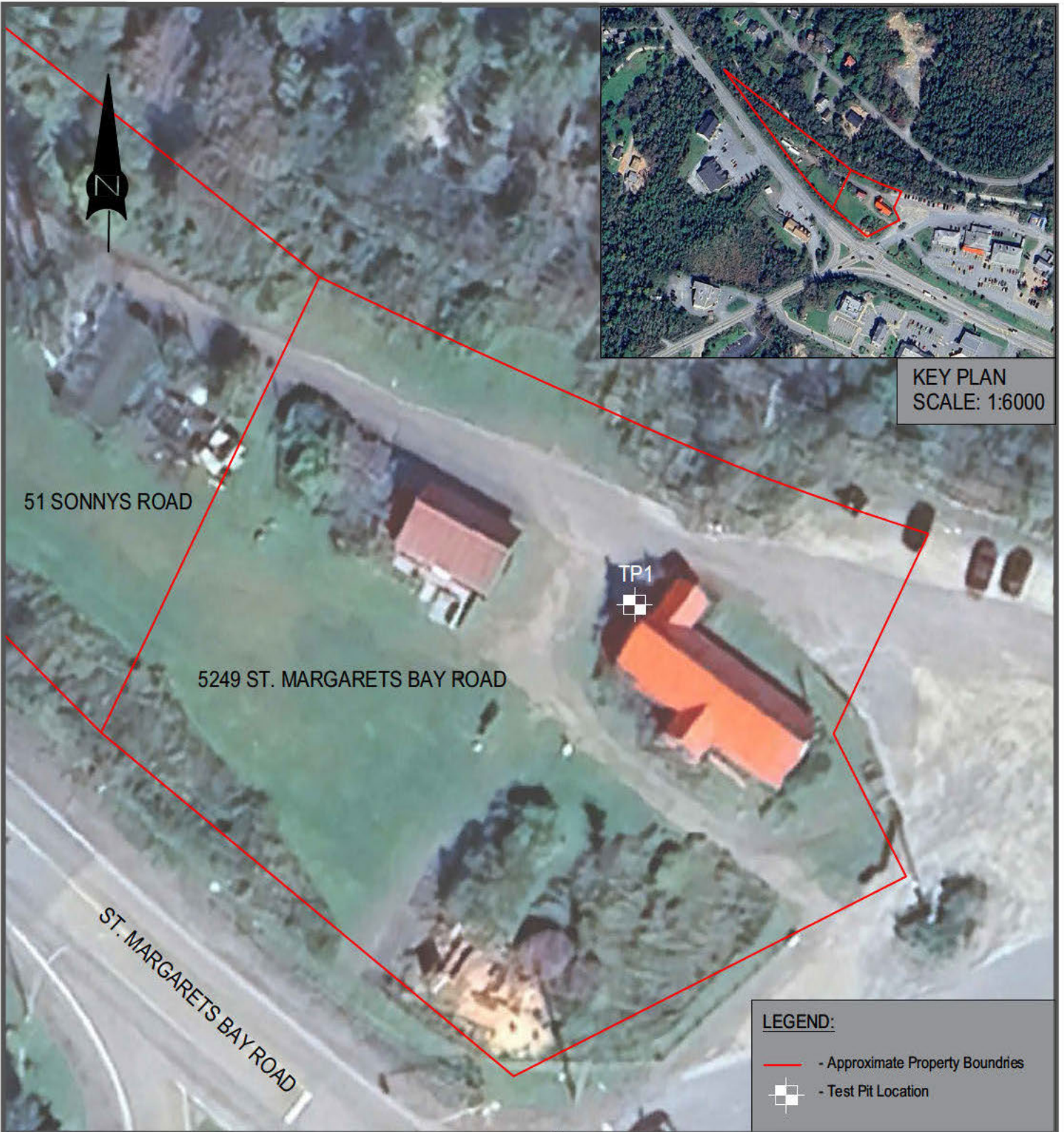
Emily Pike-Connolly, B. Sc.
Project Professional
Environmental Engineering

Brandon McKay, P.Eng.
Project Manager
Environmental Engineering

Appendix A

Site Figure





KEY PLAN
SCALE: 1:6000

LEGEND:

- - Approximate Property Boundaries
- Test Pit Location

4485204 Nova Scotia Ltd.

Test Pit Soil Investigation
Civic No. 5249 St. Margarets Bay Road
(PID No. 41454133), Upper Tantallon, NS

Site Plan Showing Test Pit Location



97 Troop Avenue
Dartmouth, NS, B3B 2A7
902-468-6486

Discipline:	Environment	Prepared by:	Verified by:
Scale:	1: 500	EPC	EPC
Date:	August 2024	Drawn by:	Approved by:
Page setup:	Paper size:	JJ	RB
	8.5X11	Figure no:	1
		Register no.:	

Man.	Project	Otp	Project Phase	Electronic ref.	Rev.
148	2301273	001			

Appendix B

Analytical Results



TABLE 1: TOTAL PETROLEUM HYDROCARBON (TPH) COMPOUNDS in Soil

4485204 Nova Scotia Limited
 5249 St. Margarets Bay Road, Upper Tantallon, Nova Scotia
 Englobe Job No. 2301273.001

Parameter		Units	NSECC Tier 1 EQS ¹		Sample ID Depth Date Sampled
			Residential	Commercial	TP1-S1 0.15 - 0.45- Fill 24-Jul-24
BTEX	Benzene	mg/kg	0.021	0.042	<0.0050
	Toluene	mg/kg	0.35	0.35	<0.050
	Ethylbenzene	mg/kg	0.043	0.043	<0.010
	Xylenes	mg/kg	0.73	0.73	<0.050
Modified TPH	Gas Range (C ₆ -C ₁₀)	mg/kg	-	-	<2.5
	Fuel Range (C ₁₀ -C ₁₆)	mg/kg	-	-	<10
	Fuel Range (C ₁₆ -C ₂₁)	mg/kg	-	-	<10
	Lube Range (C ₂₁ -C ₃₂)	mg/kg	-	-	52
Total Modified TPH - Tier 1		mg/kg	75 as gas 320 as fuel oil 1,800 as lube oil	940 as gas 1,800 as fuel oil 10,000 as lube oil	52
Reached Baseline at C32		-	-	-	Yes
Product Resemblance		-	-	-	Lube Oil Fraction.

Notes:

value	- value exceeds residential and commercial EQS
value	- value exceeds residential EQS
-	- no lab comment or EQS value published

¹ 2013 (updated 2022) Nova Scotia Environment and Climate Change (NSECC) Tier 1 *Environmental Quality Standards* (EQS) for residential and commercial sites with potable groundwater and coarse-grained soil.

Appendix C

Laboratory Certificate of Analysis





Your P.O. #: 69541
 Your Project #: 2301273.001
 Site#: 5249 ST MARGARETS BAY RD
 Site Location: UPPER TANTALLON
 Your C.O.C. #: NA

Attention: Brandon McKay

Englobe Corp
 97 Troop Ave
 Dartmouth, NS
 CANADA B3B 2A7

Report Date: 2024/08/01
 Report #: R8259819
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4M5910

Received: 2024/07/24, 10:56

Sample Matrix: Soil
 # Samples Received: 1

Analyses	Quantity	Date		Laboratory Method	Analytical Method
		Extracted	Analyzed		
TEH in Soil (PIRI) (1)	1	2024/07/29	2024/08/01	ATL SOP 00111	Atl. RBCA v3.1 m
Moisture	1	N/A	2024/07/26	ATL SOP 00001	OMOE Handbook 1983 m
ModTPH (T1) Calc. for Soil	1	N/A	2024/08/01	N/A	Atl. RBCA v3.1 m
VPH in Soil (PIRI) - Field Preserved (2)	1	N/A	2024/07/26	ATL SOP 00119	Atl. RBCA v3.1 m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

(1) Soils are reported on a dry weight basis unless otherwise specified.

(2) No lab extraction date is given for C6-C10/BTEX and VOC samples that are field preserved with methanol. Extraction date is date sampled unless otherwise stated.



Attention: Brandon McKay

Englobe Corp
97 Troop Ave
Dartmouth, NS
CANADA B3B 2A7

Your P.O. #: 69541
Your Project #: 2301273.001
Site#: 5249 ST MARGARETS BAY RD
Site Location: UPPER TANTALLON
Your C.O.C. #: NA

Report Date: 2024/08/01
Report #: R8259819
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4M5910

Received: 2024/07/24, 10:56

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Maryann Comeau, Customer Experience Supervisor/PM
Email: Maryann.COMEAU@bureauveritas.com
Phone# (902)420-0203 Ext:298

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This report has been generated and distributed using a secure automated process.
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For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Suzanne Rogers, General Manager responsible for Nova Scotia Environmental laboratory operations.



BUREAU
VERITAS

Bureau Veritas Job #: C4M5910
Report Date: 2024/08/01

Englobe Corp
Client Project #: 2301273.001
Site Location: UPPER TANTALLON
Your P.O. #: 69541
Sampler Initials: EP

RBCA HYDROCARBONS IN SOIL (FIELD PRES.)

Bureau Veritas ID		ZUR235		
Sampling Date		2024/07/24 10:20		
COC Number		NA		
	UNITS	TP1-S1	RDL	QC Batch
Petroleum Hydrocarbons				
Benzene	mg/kg	<0.0050	0.0050	9540700
Toluene	mg/kg	<0.050	0.050	9540700
Ethylbenzene	mg/kg	<0.010	0.010	9540700
Total Xylenes	mg/kg	<0.050	0.050	9540700
C6 - C10 (less BTEX)	mg/kg	<2.5	2.5	9540700
>C10-C16 Hydrocarbons	mg/kg	<10	10	9544465
>C16-C21 Hydrocarbons	mg/kg	<10	10	9544465
>C21-<C32 Hydrocarbons	mg/kg	52	15	9544465
Modified TPH (Tier1)	mg/kg	52	15	9534175
Reached Baseline at C32	mg/kg	Yes	N/A	9544465
Hydrocarbon Resemblance	mg/kg	COMMENT (1)	N/A	9544465
Surrogate Recovery (%)				
Isobutylbenzene - Extractable	%	120		9544465
n-Dotriacontane - Extractable	%	94		9544465
Isobutylbenzene - Volatile	%	108		9540700
RDL = Reportable Detection Limit QC Batch = Quality Control Batch N/A = Not Applicable (1) Lube oil fraction.				



**BUREAU
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Bureau Veritas Job #: C4M5910
Report Date: 2024/08/01

Englobe Corp
Client Project #: 2301273.001
Site Location: UPPER TANTALLON
Your P.O. #: 69541
Sampler Initials: EP

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		ZUR235		
Sampling Date		2024/07/24 10:20		
COC Number		NA		
	UNITS	TP1-S1	RDL	QC Batch
Inorganics				
Moisture	%	13	1.0	9537945
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				



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VERITAS

Bureau Veritas Job #: C4M5910
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Your P.O. #: 69541
Sampler Initials: EP

GENERAL COMMENTS

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

Package 1	12.0°C
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Results relate only to the items tested.



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Report Date: 2024/08/01

Englobe Corp
Client Project #: 2301273.001
Site Location: UPPER TANTALLON
Your P.O. #: 69541
Sampler Initials: EP

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9537945	RD4	RPD	Moisture	2024/07/26	2.6		%	25
9540700	A1M	Matrix Spike	Isobutylbenzene - Volatile	2024/07/26		102	%	60 - 130
			Benzene	2024/07/26		103	%	60 - 130
			Toluene	2024/07/26		101	%	60 - 130
			Ethylbenzene	2024/07/26		110	%	60 - 130
			Total Xylenes	2024/07/26		109	%	60 - 130
9540700	A1M	Spiked Blank	Isobutylbenzene - Volatile	2024/07/26		98	%	60 - 130
			Benzene	2024/07/26		98	%	60 - 140
			Toluene	2024/07/26		100	%	60 - 140
			Ethylbenzene	2024/07/26		101	%	60 - 140
			Total Xylenes	2024/07/26		103	%	60 - 140
9540700	A1M	Method Blank	Isobutylbenzene - Volatile	2024/07/26		101	%	60 - 130
			Benzene	2024/07/26	<0.0050		mg/kg	
			Toluene	2024/07/26	<0.050		mg/kg	
			Ethylbenzene	2024/07/26	<0.010		mg/kg	
			Total Xylenes	2024/07/26	<0.050		mg/kg	
			C6 - C10 (less BTEX)	2024/07/26	<2.5		mg/kg	
9540700	A1M	RPD	Benzene	2024/07/26	NC		%	50
			Toluene	2024/07/26	NC		%	50
			Ethylbenzene	2024/07/26	NC		%	50
			Total Xylenes	2024/07/26	NC		%	50
			C6 - C10 (less BTEX)	2024/07/26	NC		%	50
9544465	MGN	Matrix Spike	Isobutylbenzene - Extractable	2024/07/31		99	%	60 - 130
			n-Dotriacontane - Extractable	2024/07/31		97	%	60 - 130
			>C10-C16 Hydrocarbons	2024/07/31		103	%	30 - 130
			>C16-C21 Hydrocarbons	2024/07/31		111	%	30 - 130
			>C21-<C32 Hydrocarbons	2024/07/31		87	%	30 - 130
9544465	MGN	Spiked Blank	Isobutylbenzene - Extractable	2024/07/31		96	%	60 - 130
			n-Dotriacontane - Extractable	2024/07/31		111	%	60 - 130
			>C10-C16 Hydrocarbons	2024/07/31		99	%	60 - 130
			>C16-C21 Hydrocarbons	2024/07/31		106	%	60 - 130
			>C21-<C32 Hydrocarbons	2024/07/31		88	%	60 - 130
9544465	MGN	Method Blank	Isobutylbenzene - Extractable	2024/07/31		93	%	60 - 130
			n-Dotriacontane - Extractable	2024/07/31		106	%	60 - 130
			>C10-C16 Hydrocarbons	2024/07/31	<10		mg/kg	
			>C16-C21 Hydrocarbons	2024/07/31	<10		mg/kg	
9544465	MGN	RPD	>C21-<C32 Hydrocarbons	2024/07/31	<15		mg/kg	
			>C10-C16 Hydrocarbons	2024/07/31	NC		%	50
			>C16-C21 Hydrocarbons	2024/07/31	NC		%	50
			>C21-<C32 Hydrocarbons	2024/07/31	NC		%	50

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

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

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

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

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

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



BUREAU
VERITAS

Bureau Veritas Job #: C4M5910
Report Date: 2024/08/01

Englobe Corp
Client Project #: 2301273.001
Site Location: UPPER TANTALLON
Your P.O. #: 69541
Sampler Initials: EP

VALIDATION SIGNATURE PAGE

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



Rosemarie MacDonald, Scientific Specialist (Organics)

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



105-200 Bluewater Road, Bedford, NS B4B 1G9
49-55 Elizabeth Avenue, St John's, NL A1A 1W9
465 George Street, Unit G, Sydney, NS B1P 1K5

Tel: 902-420-0203 Fax: 902-420-8612 Toll Free: 1-800-565-7217
Tel: 709-754-0203 Fax: 709-754-8612 Toll Free: 1-888-492-7217
Tel: 902-567-1255 Fax: 902-539-6504 Toll Free: 1-888-535-7770

CHAIN OF CUSTODY RECORD
ENV COC - 00016v3

Invoice Information				Invoice to (requires report) X				Report information (if differs from invoice)				Project Information																																												
Company:	Englobe			Company:				Quotation #:																																																
Contact Name:	Braden McKay			Contact Name:				P.O. #/AFE#:	to follow																																															
Street Address:	97 Trap Ave			Street Address:				Project #:	2301273.000																																															
City:	Dartmouth	Prov:	NS	City:		Prov:		Site #:	5249 St Margarets Bay Rd																																															
Postal Code:				Postal Code:				Site Location:	Upper Tantallon																																															
Phone:				City:		Prov:		Site Location:	NS																																															
Email:				Postal Code:				Province:																																																
Copies:				Sampled By:	Emily Pike																																																			
<p>Regulatory Criteria</p> <p>**Specify matrix for each regulation: surface water (SW)/groundwater (GW)/tap water/sewage/effluent/seawater/potable water/non-potable water/tissue/soil/sludge/metal</p> <table border="1"> <tr> <th>Regulation</th> <th>Matrix</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>SAMPLES MUST BE KEPT COOL (<10°C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS</p>												Regulation	Matrix									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22													
Regulation	Matrix																																																							
<p>Sample Identification</p> <table border="1"> <tr> <th rowspan="2">Sample Identification</th> <th colspan="3">Date Sampled</th> <th colspan="2">Time (24hr)</th> <th rowspan="2">Matrix</th> <th rowspan="2">FIELD FILTERED</th> <th rowspan="2">FIELD PRESERVED</th> <th rowspan="2">LAB FILTRATION REQUIRED</th> <th rowspan="2">FCAP-MS (total metals)/well / surface water</th> <th rowspan="2">FCAP-MS (dissolved metals) - GW</th> <th rowspan="2">Total metals (default)-well/SW</th> <th rowspan="2">Dissolved metals for ground water</th> <th rowspan="2">Total mercury - water</th> <th rowspan="2">Dissolved mercury - water</th> <th rowspan="2">Methylmercury default (acid ext.)</th> <th rowspan="2">HMS baron (CCME agr/ landfill)</th> <th rowspan="2">BBCA HC (BTEX, CS-C3)</th> <th rowspan="2">CCME HC (F1/BTEX, F2-F4)</th> <th rowspan="2">PAHs (default for water/soil)</th> <th rowspan="2">PCBs - default</th> <th rowspan="2">PCBs - CCME sediment</th> <th rowspan="2">VOCs</th> <th rowspan="2">Total coliform/E.coli (presence/absence)</th> <th rowspan="2">Total coliform/E.coli (count)</th> <th rowspan="2"># OF CONTAINERS SUBMITTED</th> <th rowspan="2">HOLD - DO NOT ANALYZE</th> </tr> <tr> <th>YY</th> <th>MM</th> <th>DD</th> <th>HH</th> <th>MM</th> </tr> </table>												Sample Identification	Date Sampled			Time (24hr)		Matrix	FIELD FILTERED	FIELD PRESERVED	LAB FILTRATION REQUIRED	FCAP-MS (total metals)/well / surface water	FCAP-MS (dissolved metals) - GW	Total metals (default)-well/SW	Dissolved metals for ground water	Total mercury - water	Dissolved mercury - water	Methylmercury default (acid ext.)	HMS baron (CCME agr/ landfill)	BBCA HC (BTEX, CS-C3)	CCME HC (F1/BTEX, F2-F4)	PAHs (default for water/soil)	PCBs - default	PCBs - CCME sediment	VOCs	Total coliform/E.coli (presence/absence)	Total coliform/E.coli (count)	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	YY	MM	DD	HH	MM	Regular Turnaround Time (TAT)				Rush Turnaround Time (TAT)				Surcharges apply			
Sample Identification	Date Sampled			Time (24hr)		Matrix	FIELD FILTERED	FIELD PRESERVED	LAB FILTRATION REQUIRED	FCAP-MS (total metals)/well / surface water	FCAP-MS (dissolved metals) - GW		Total metals (default)-well/SW	Dissolved metals for ground water	Total mercury - water	Dissolved mercury - water	Methylmercury default (acid ext.)																							HMS baron (CCME agr/ landfill)	BBCA HC (BTEX, CS-C3)	CCME HC (F1/BTEX, F2-F4)	PAHs (default for water/soil)	PCBs - default	PCBs - CCME sediment	VOCs	Total coliform/E.coli (presence/absence)	Total coliform/E.coli (count)	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE						
	YY	MM	DD	HH	MM																																																			
<p>Regular Turnaround Time (TAT)</p> <p><input checked="" type="checkbox"/> 5 to 7 Day <input type="checkbox"/> 10 Day</p> <p>Rush Turnaround Time (TAT)</p> <p>Surcharges apply</p> <p><input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day</p> <p><input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day</p> <p><input type="checkbox"/> 4 Day</p>												Date Required:				YY	MM	DD	<p>Comments</p> <p>please also email copy to emily.pike@englobecorp.com</p>																																					
1	TR1-S1			24	07	24	10	20	Soil																	3																														
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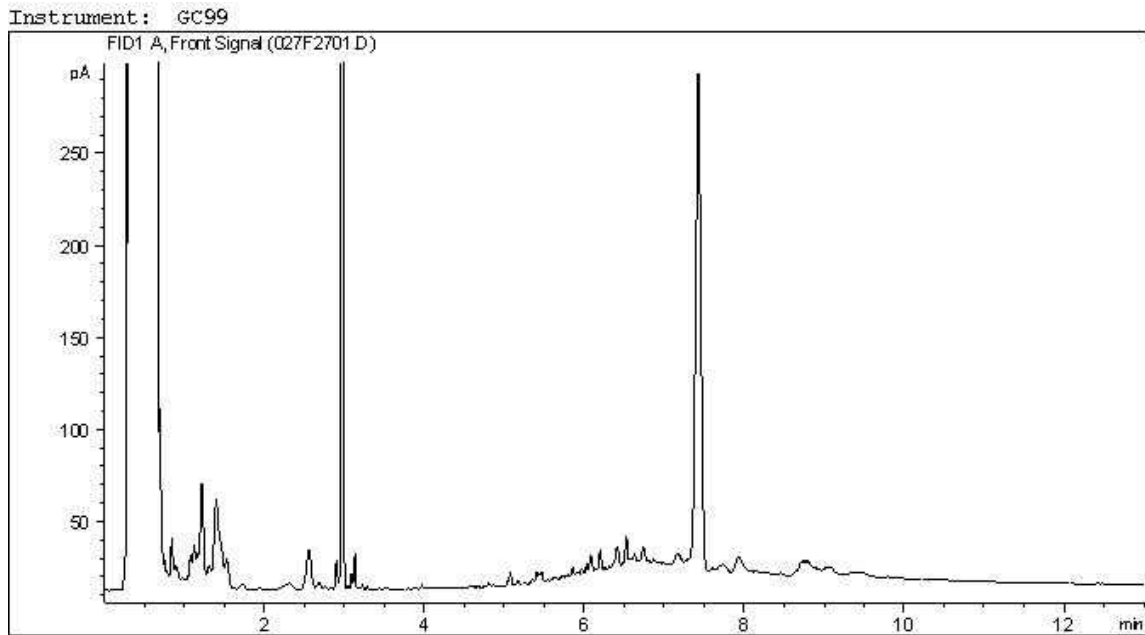


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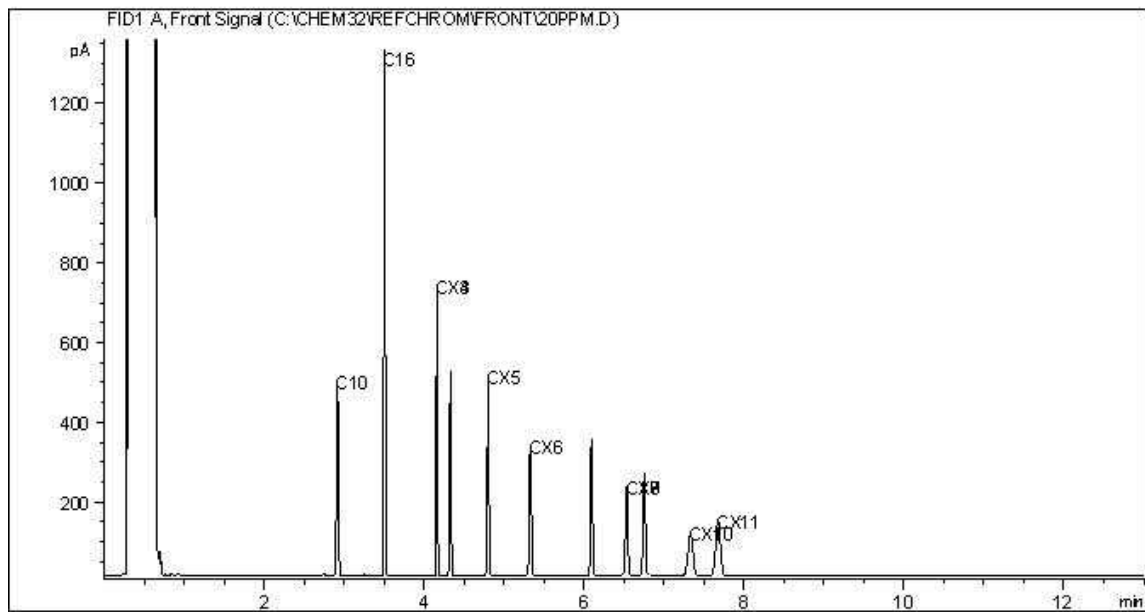
*UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS AND CONDITIONS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/TERMS-AND-CONDITIONS OR BY CALLING THE LABORATORY LISTED ABOVE TO OBTAIN A COPY

LAB USE ONLY			Yes			No			LAB USE ONLY			Yes			No			LAB USE ONLY			Yes			No			LAB USE ONLY			Yes			No			LAB USE ONLY			Yes			No											
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TEH in Soil (PIRI) Chromatogram



Carbon Range Distribution - Reference Chromatogram



TYPICAL PRODUCT CARBON NUMBER RANGES

Gasoline:	C4 - C12	Diesel:	C8 - C22
Varsol:	C8 - C12	Lubricating Oils:	C20 - C40
Kerosene:	C7 - C16	Crude Oils:	C3 - C60+

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

Appendix D

Photolog





Photo 1: Photo looking south showing fibreglass fuel oil AST and the abandoned steel AST on the west side of 5249 St. Margarets Bay Road (February 28, 2023).



Photo 2: Photo looking southeast showing fibreglass fuel oil AST and location of old, abandoned steel AST on the west side of 5249 St. Margarets Bay Road.



Photo 3: TP1 in location of old, abandoned AST.



Photo 4: Photo looking northeast showing fibreglass fuel oil AST and TP1 location.



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