

**TOWN OF CALEDON
PLANNING
RECEIVED**

July 15, 2020



Phase II Environmental Site Assessment

10819 Highway 9
Caledon, Ontario

Prepared for:

2203315 Ontario Corp.
10819 Highway 9
Caledon, Ontario
L7E 0G5

Prepared by:

Safetech Environmental Limited

May 28, 2019

SEL Project Number 606918

Executive Summary

Safetech Environmental Ltd. (SEL) was retained 2203315 Ontario Corp. (Client) to complete a Phase II Environmental Site Assessment (ESA) for the commercial/industrial property located at 10819 Highway 9 in Caledon, Ontario, herein referred to as the 'Site'. The Phase II ESA served to investigate the Areas of Potential Environmental Concern (APECs) identified during the Phase One ESA performed by SEL dated April 18th 2019.

SEL understands that this Phase II ESA is required for re-zoning purposes, and that the Client will rely upon the contents of this report for their purposes in that regard. The filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation, and Parks (MECP) was not included as a part of this assessment.

The Site was located on the southwest corner of the Tottenham Road and Highway 9 intersection in Caledon, Ontario (refer to Figure 1 – Site Location Map). There was a one storey commercial building (Site Building 1) on the northwest portion of the Site as well as a 2 storey residential building (Site Building 2) with a basement directly in the centre of the Site. Site Building 1 was not operational at the time of the Site visit and appeared to have been most previously used as an automobile garage. The building consisted of a vehicle servicing area with three garage doors, a reception area and a washroom. The vehicle servicing area was being used for the storage of two cars, two skidoos and a boat without an engine as well as left-over materials and fluids typical of an automobile garage. Site Building 2 was being used for residential use at the time of the Site visit. The majority of the Site consisted of grass with exception to the paved asphalt parking lot on the northwest corner of the Site in front of Site Building 1.

For assessment purposes, SEL selected the 2011 Table 2 SCS for Industrial/Commercial/Community Property Use in a potable groundwater setting with coarse textured soil (Table 2 SCS).

Based on the Phase II ESA findings, the following conclusions are provided:

- The subsurface soil encountered on the Site generally consisted mostly of moist sand with traces of silt until borehole termination depth of BH/MW2, BH/MW3 and BH4. Sand with traces of silt was also the predominant media observed in BH/MW1A, however gravely sand and sandy gravel was observed starting at 6.86m and then appearing intermittently throughout the borehole until termination depth.
- Site wide groundwater flow appeared to be in a northeastern direction.
- No obvious visual evidence of free product (i.e. visible film or sheen) was observed during the borehole drilling and groundwater sampling events during this Phase II ESA.

- All of the results for soil samples submitted to the laboratory were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS for the parameters analyzed. The laboratory RDLs were below the 2011 MECP Table 2 SCS.
- The reported concentration of **PHC F3**, **PHC F4** and **Chloroform** (2990 ug/L, 3900 ug/L and 3.6 ug/L respectively) in **MW/BH1A** exceeded the 2011 MECP Table 2 SCS of 500 ug/L, 500 ug/L and 2.4 ug/L respectively.
- All of the remaining results for groundwater samples submitted to the laboratory were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS for the parameters analysed. The laboratory RDLs were below the 2011 MECP Table 2 SCS.

Based on the findings from this Phase II ESA, groundwater with concentrations of Chloroform as well as PHCs F2 and F3 exceeding 2011 MECP Table 2 SCS were identified to be present at the Site.

Table of Contents

Executive Summary	i
1 Introduction	1
1.1 Site Description	1
2 Objective	1
3 Scope of Work.....	2
4 Subsurface Investigation Methodology	3
4.1 Service Clearances	3
4.2 Borehole Drilling.....	3
4.3 Soil Sampling	3
4.4 Monitoring Well Installation	4
4.5 Groundwater Monitoring.....	5
4.6 Analytical Testing	5
4.7 Residue Management Procedures.....	5
5 Selection of Site Condition Standards.....	5
6 Findings.....	7
6.1 Subsurface Conditions	7
6.2 Groundwater Elevations and Flow Direction	7
6.3 Subsurface Non-Aqueous Phase Liquids (NAPLs).....	7
6.4 Soil Quality	7
6.4.1 Petroleum Hydrocarbons (PHCs) Fractions F1 to F4.....	8
6.4.2 Volatile Organic Compounds (VOCs).....	8
6.5 Groundwater Quality	8
6.5.1 Petroleum Hydrocarbons (PHCs) Fractions F1 to F4.....	8
6.5.2 Volatile Organic Compounds (VOCs).....	8
6.6 Quality Assurance and Quality Control Measures.....	9
7 Conclusions and Recommendations.....	10
8 General Limitations	11
9 Closure.....	12
10 References.....	13

List of Figures

Figure 1: Site Location Map

Figure 2: Site Plan

List of Tables

Table I – Soil Analytical Results – PHCs

Table II – Soil Analytical Results – VOCs

Table III – Groundwater Analytical Results – PHCs

Table IV – Groundwater Analytical Results – VOCs

List of Appendices

APPENDIX A – Borehole Logs

APPENDIX B – Laboratory Certificate of Analysis - Soil

APPENDIX C – Laboratory Certificate of Analysis - Groundwater

1 Introduction

Safetech Environmental Ltd. (SEL) was retained 2203315 Ontario Corp. (Client) to complete a Phase II Environmental Site Assessment (ESA) for the commercial/industrial property located at 10819 Highway 9 in Caledon, Ontario, herein referred to as the ‘Site’. The Phase II ESA served to investigate the Areas of Potential Environmental Concern (APECs) identified during the Phase One ESA performed by SEL dated April 18th 2019.

SEL understands that this Phase II ESA is required for re-zoning purposes, and that the Client will rely upon the contents of this report for their purposes in that regard. The filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation, and Parks (MECP) was not included as a part of this assessment.

The Phase II ESA completed by SEL was conducted in general accordance with the Canadian Standards Association (CSA) Phase II ESA Standard (Z769-00), as updated.

1.1 Site Description

The Site was located on the southwest corner of the Tottenham Road and Highway 9 intersection in Caledon, Ontario (refer to Figure 1 – Site Location Map). There was a one storey commercial building (Site Building 1) on the northwest portion of the Site as well as a 2 storey residential building (Site Building 2) with a basement directly in the centre of the Site. Site Building 1 was not operational at the time of the Site visit and appeared to have been most previously used as an automobile garage. The building consisted of a vehicle servicing area with three garage doors, a reception area and a washroom. The vehicle servicing area was being used for the storage of two cars, two skidoos and a boat without an engine as well as left-over materials and fluids typical of an automobile garage. Site Building 2 was being used for residential use at the time of the Site visit. The majority of the Site consisted of grass with exception to the paved asphalt parking lot on the northwest corner of the Site in front of Site Building 1.

2 Objective

The objective of the Phase II ESA was to investigate the Area of Potential Environmental Concern (APEC) identified in the Phase One ESA (SEL April 2019). The APEC was identified as follows:

APEC #	Location of Area of Potential Environmental Concern on Site	Potentially Contaminating Activity	Location of PCA	Parameters of Potential Concern and Media Potentially Impacted
APEC 1 (Associated with	Western portion of Site Building 1	10 – Commercial Autobody Shops	Western portion of Site Building 1	Evaluate soil and groundwater quality

PCA 1)	(garage area) including septic bed south of Site Building 1	52 – Storage, maintenance, fuelling and repair of equipment, vehicles and material used to maintain transportation systems	(garage area)	for potential Petroleum Hydrocarbon Compounds (PHCs) Fractions F1 – F4 and Volatile Organic Compounds (VOCs).
APEC 2 (Associated with PCA 2)	Southwest corner of Site Boundary	28 – Gasoline and Associated Products Storage in Fixed Tanks 52 – Storage, maintenance, fuelling and repair of equipment, vehicles and material used to maintain transportation systems	Southwest corner of Site Boundary	Evaluate soil and groundwater quality for potential PHCs F1-F4 and VOCs.
APEC 3 (Associated with PCA 3)	Along northern Site boundary	28 – Gasoline and Associated Products Storage in Fixed Tanks	Along northern Site boundary	Evaluate soil and groundwater quality for potential PHCs F1-F4 and VOCs.

3 Scope of Work

The Phase II ESA scope of work for the on-Site investigation consisted of the following activities:

- Requesting public and private utility locates (cable, telephone, gas, hydro, water, sanitary) to verify underground service lines prior to drilling activities;
- Advancing a total of 4 boreholes on the Site to a maximum depth of approximately 34.1 meters below ground surface (mbgs) and instrumenting 3 of the boreholes with monitoring wells;
- Collecting representative soil samples for chemical analysis of PHCs and VOCs;
- Collecting a groundwater sample for chemical analysis of PHCs and VOCs;
- Reviewing the analytical data and preparing a report summarizing the findings.

4 Subsurface Investigation Methodology

4.1 Service Clearances

Public service clearances were performed by locators on behalf of public utility companies contacted through Ontario1Call. Private service clearances were performed by Utility Marx prior to any drilling activities on-Site.

4.2 Borehole Drilling

From May 1st – 16th 2019, four boreholes were advanced on the Site by Profile Drilling Inc., an MECP licenced well contractor under the full-time supervision of SEL staff.

BH/MW1A was drilled to a final termination depth of approximately 31.1 mbgs;

BH/MW2A was drilled to a final termination depth of approximately 9.1 mbgs;

BH/MW3A was drilled to a final termination depth of approximately 9.1 mbgs;

BH4 was drilled to a final termination depth of approximately 6.1 mbgs;

Each of the boreholes were installed as monitoring wells with exception to BH4.

BH/MW1A was completed by method of mud rotary drilling and direct push sampling using a track-mounted Mobile B-60. The remaining boreholes were completed by method of hollow stem auguring and direct push sampling using a track-mounted Mobile B-45.

No petroleum-based greases or solvents were used during drilling activities. SEL staff continuously monitored the drilling activities to log the recovered soil cores and record the depth of soil sample collection and total depth of boring. Field observations are summarized on the borehole logs provided in Appendix A.

4.3 Soil Sampling

Dedicated nitrile gloves (i.e., one pair per sample) were used during sample handling. Soil samples were placed in an ice-filled cooler for potential chemical analysis.

The representative soil samples collected were placed in sealed “zip-lock” plastic bags and allowed to reach ambient temperature prior to field screening with a RAE ppbRAE 3000 portable TOV meter. The measurements were made by inserting the instrument’s probe into the plastic bag while manipulating the sample to ensure volatilization of the soil gases. These readings provided a real-time indication of the relative concentration of organic vapours encountered in the subsurface during drilling, and together with visual and olfactory observations during the Phase II ESA, are used to aid in the assessment of the vertical and horizontal extent of contamination and the selection of soil samples for chemical analysis. The TOV meter can continuously monitor VOC vapor at parts per billion (ppb) levels. The TOV readings, in parts per million (ppm), are provided in Appendix A of this report. After being

screened, soil samples were transferred from the “ziplock” plastic bags and placed into dedicated laboratory 250mL glass jars.

A small portion of soil (~5ml volume) was taken directly from each split spoon core and inserted into specialized laboratory 100mL glass vials using laboratory provided “T cores”. The vials were airtight and contained a methanol preservative to ensure minimal volatiles from sample are lost during holding time.

Representative soil samples were selected for laboratory analysis based on TOV readings, visual, and olfactory evidence of potential impacts, and/or their proximity to the soil and groundwater interface. The representative soil samples were transported in ice-filled coolers to SGS Laboratories of Lakefield, Ontario, under Chain of Custody documentation, for chemical analysis.

The following soil sample was submitted for laboratory analysis:

Summary of Soil Samples Submitted for Laboratory Analyses

Soil Sample ID	Depth Interval (mbgs)	Rationale for Submission	Analysis
BH/MW1A SS10	18.3 – 18.9	Proximity to Groundwater Interface	PHCs F1-F4 & VOCs
BH/MW2A SS7	6.1 – 6.4	TOV measurements	PHCs F1-F4 & VOCs
BH/MW3A SS6	6.1 – 6.6	TOV measurements	PHCs F1-F4 & VOCs
BH4A SS5	4.9 – 6.1	TOV measurements	PHCs F1-F4 & VOCs

4.4 Monitoring Well Installation

Three of the boreholes (BH/MW1A, BH/MW2A and BH/MW3A) advanced into the Site were installed as groundwater monitoring wells.

The monitoring wells installed consisted of 25 mm Schedule 40 PVC screen and riser. The well screens were 3m in length, had a slot size of approximately 0.25 mm (slot 10) and was sealed at the base with a PVC end cap. The annular space around the well screens was backfilled with well gravel to an average height of 0.6 m above the top of the screens. The well gravel was extended above each of the screens to allow for compaction of the sand pack and expansion of the overlying well seal. A bentonite seal (‘Hole Plug’) was placed in the borehole annulus from the top of the gravel to approximately 0.3 mbgs. Lubricants and adhesives were not used when constructing the monitoring wells. Details of the well installations are provided on the borehole logs in Appendix A.

When no longer required, the monitoring wells must be decommissioned in accordance with the procedure outlined in the Ontario Water Resources Act - R.R.O. 1990, Regulation 903 - as amended.

4.5 Groundwater Monitoring

The monitoring well where groundwater was present (BH/MW1A) was developed on May 16th, 2019 using dedicated Watera tubing. Approximately three well volumes of groundwater were purged from the well as part of its development. Prior to sampling, the monitoring wells were monitored for groundwater levels (depth to water) and for the presence of Light and Dense Non Aqueous Phase Liquids (LNAPL/DNAPL) accumulations using a Solinst Model 122 Interface Probe. Due to the fast recharge rate of the well, the groundwater was able to be sampled on the same day as its purging.

The table below shows a summary of the groundwater monitoring wells installed at the Site:

Soil Sample ID	Depth of Well (mbgs)	Notes	Analysis
BH/MW1A	32.62	Fast Recharge	PHCs F1-F4 & VOCs
BH/MW2A	9.39	Dry	N/A
BH/MW3A	9.34	Dry	N/A

BH/MW1A was the only well from which a groundwater sample was able to be obtained.

4.6 Analytical Testing

The analytical laboratory selected to perform the chemical analyses was Eurofins Environment Testing Canada. Eurofins is an accredited laboratory under the Standards Council of Canada/Canadian Association of Environmental Analytical Laboratories (Accredited Laboratory No. 665) in accordance with ISO/IEC 17025:1999 – “General Requirements for the Competence of Testing and Calibration Laboratories”.

4.7 Residue Management Procedures

The residue materials produced during the borehole drilling, soil sampling programs and monitoring well sampling programs comprised soil cuttings from drilling activities, decontamination fluids from equipment cleaning, and waters from well development and purging. Borehole cuttings and residue fluids were collected and distributed into sealed drums. The drums were placed next to the respective boreholes on the Site. The off-site disposal of these materials was not within the scope of this project.

5 Selection of Site Condition Standards

The assessment criteria, Site Condition Standards (SCS), applicable to a given site in Ontario are established under subsection 168.4(1) of the Environmental Protection Act. Tabulated generic criteria are provided in “Soil, Ground Water and Sediment Standards for use under Part XV.1 of the Environmental Protection Act” (“the SGWS Standards”), MECP, April 2011. These criteria, which came into force on July 1, 2011, are based on site sensitivity (sensitive or non-sensitive), groundwater use (potable or non-potable), property use (residential, parkland,

institutional, commercial, industrial, community and agricultural/other), soil type (coarse or medium to fine textured) and restoration depth (full or stratified restoration). In addition, site specific criteria may be established on the basis of the findings of a Risk Assessment carried out in accordance with Part IX and Schedule C of O. Reg. 153/04, as amended.

The SGWS Standards specify SCS for soil, groundwater and sediment that are tabulated as follows:

Table 1 – applicable to sites where background concentrations must be met (full depth) such as sensitive sites where site-specific criteria have not been derived;

Table 2 – applicable to sites with potable groundwater and full depth restoration;

Table 3 – applicable to sites with non-potable groundwater and full depth restoration;

Table 4 – applicable to sites with potable groundwater and stratified restoration;

Table 5 – applicable to sites with non-potable groundwater and stratified restoration;

Table 6 – applicable to sites with less than 2 m of overburden above bedrock in a potable groundwater condition;

Table 7 – applicable to sites with less than 2 m of overburden above bedrock in non-potable groundwater condition;

Table 8 – applicable to sites within 30 m of a water body in a potable groundwater condition;

Table 9 – applicable to sites within 30 m of a water body in a non-potable groundwater condition.

For assessment purposes, SEL selected the 2011 Table 2 SCS for Industrial/Commercial/Community Property Use in a potable groundwater setting with coarse textured soil (Table 2 SCS). The selection of this category was based on the following factors:

- Based on well records identified within the area, groundwater was used as a potable water source within a 250m radius of the Site;
- Coarse textured soil was selected since it is a more stringent approach;
- The overburden above bedrock was determined to be greater than 2 mbgs;
- The nearest surface water body is greater than 30 m from the Site; and,
- There is no intention to carry out a stratified restoration at the Site.

6 Findings

6.1 Subsurface Conditions

The subsurface soil encountered on the Site generally consisted mostly of moist sand with traces of silt until borehole termination depth of BH/MW2, BH/MW3 and BH4. Sand with traces of silt was also the predominant media observed in BH/MW1A, however gravely sand and sandy gravel was observed starting at 6.86m and then appearing intermittently throughout the borehole until termination depth.

6.2 Groundwater Elevations and Flow Direction

The elevation survey for the Site was completed by Safetech on May 16th 2019 using a Laser Level and Tripod Kit (Allen Precision). The groundwater level within monitoring wells (BH/MW1 and MW8) along with their surface elevation on the property adjacent to the west of the Site (10795 Highway 9) was also measured at the same time.

Summary of Groundwater Samples Submitted for Laboratory Analyses

Monitoring Well ID	Depth to Water (mbgs)	Relative Water Level Elevation (m)
BH/MW1A	17.45	80.02
BH/MW1	16.82	81.31
MW8	17.25	82.28

Groundwater elevations were all relative to an assumed bench mark surface elevation of 100m.

Site wide groundwater flow appeared to be in a northeastern direction.

6.3 Subsurface Non-Aqueous Phase Liquids (NAPLs)

Light Non-Aqueous Phase Liquids (LNAPLs) and Dense Non-Aqueous Phase Liquids (DNAPLs) as free phase product were not detected by the interface probe used in the monitoring well, and were not encountered during the drilling event of this Phase II ESA.

6.4 Soil Quality

In accordance with the scope of work, chemical analyses was performed on selected soil samples recovered from the boreholes. The selection of representative “worst case” soil sample was based on field screening and visual and/or olfactory evidence of impacts, and the presence of potential water bearing zones (water table). Summary tables are provided in the Tables section, and copies of the laboratory Certificates of Analysis for the analyzed soil samples are provided in Appendix B.

6.4.1 Petroleum Hydrocarbons (PHCs) Fractions F1 to F4

The laboratory analytical results for PHCs fractions F1 to F4 for the submitted soil samples are provided in the Certificates of Analysis in Appendix B.

All submitted soil sample results were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS. The laboratory Reported Detection Limits (RDLs) were below the 2011 MECP Table 2 SCS.

6.4.2 Volatile Organic Compounds (VOCs)

The laboratory analytical results for VOCs for the submitted soil samples are provided in the Certificates of Analysis in Appendix B.

All submitted soil sample results were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS. The laboratory RDLs were below the 2011 MECP Table 2 SCS.

6.5 Groundwater Quality

In accordance with the scope of work, chemical analyses was performed on ground water samples recovered from the monitoring wells. Summary tables are provided in the Tables section, and copies of the laboratory Certificates of Analysis for the analyzed ground water samples are provided in Appendix C.

6.5.1 Petroleum Hydrocarbons (PHCs) Fractions F1 to F4

The laboratory analytical results for PHCs fractions F1 to F4 for the submitted groundwater samples are provided in the Certificates of Analysis in Appendix C.

- The reported concentration of **PHC F3 and F4** (2990 ug/L and 3900 ug/L respectively) in **MW/BH1A** exceeded the 2011 MECP Table 2 SCS of 500 ug/L and 500 ug/L respectively.

All submitted groundwater sample results were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS. The laboratory RDLs were below the 2011 MECP Table 2 SCS.

6.5.2 Volatile Organic Compounds (VOCs)

The laboratory analytical results for VOCs for the submitted groundwater samples are provided in the Certificates of Analysis in Appendix C.

- The reported concentration of **Chloroform** (3.6 ug/L respectively) in **MW/BH1A** exceeded the 2011 MECP Table 2 SCS of 2.4 ug/L respectively.

All submitted groundwater sample results were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS. The laboratory RDLs were below the 2011 MECP Table 2 SCS.

6.6 Quality Assurance and Quality Control Measures

The groundwater sample was taken using a dedicated polyethylene bailer and was placed directly into a laboratory supplied bottle and vials. The groundwater and soil samples were placed in coolers with ice and maintained at a temperature of 10 degrees Celsius or below from the time of sampling until they were received by the lab.

The groundwater and soil samples were transported to an analytical laboratory under Chain of Custody documentation, for chemical analysis.

Eurofins did not identify any laboratory QA/QC issues with respect to laboratory duplicates, matrix spikes, spiked blanks, method blanks, or surrogates.

7 Conclusions and Recommendations

Based on the Phase II ESA findings, the following conclusions are provided:

- The subsurface soil encountered on the Site generally consisted mostly of moist sand with traces of silt until borehole termination depth within BH/MW2, BH/MW3 and BH4. Sand with traces of silt was also the predominant media observed in BH/MW1A, however gravely sand and sandy gravel was observed starting at 6.86m and then appearing intermittently throughout the borehole until termination depth.
- Site wide groundwater flow appeared to be in a northeastern direction.
- No obvious visual evidence of free product (i.e. visible film or sheen) was observed during the borehole drilling and groundwater sampling events during this Phase II ESA.
- All of the results for soil samples submitted to the laboratory were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS for the parameters analyzed. The laboratory RDLs were below the 2011 MECP Table 2 SCS.
- The reported concentration of **PHC F3**, **PHC F4** and **Chloroform** (2990 ug/L, 3900 ug/L and 3.6 ug/L respectively) in **MW/BH1A** exceeded the 2011 MECP Table 2 SCS of 500 ug/L, 500 ug/L and 2.4 ug/L respectively.
- All of the remaining results for groundwater samples submitted to the laboratory were reported as non-detectable, or with concentrations below the 2011 MECP Table 2 SCS for the parameters analyzed. The laboratory RDLs were below the 2011 MECP Table 2 SCS.

Based on the findings from this Phase II ESA, groundwater with concentrations of Chloroform as well as PHCs F2 and F3 exceeding 2011 MECP Table 2 SCS were identified to be present at the Site.

8 General Limitations

The information, conclusions and recommendations provided in this report were carried out by trained professionals and technical staff in accordance with level of care and skill exercised by members of the environmental engineering and consulting profession. Recommendations made in this report have been made in the context of existing industry accepted guidelines, which were in place at the date of this report.

In preparing this report, Safetech Environmental Limited (SEL) relied in good faith on information supplied by individuals or organizations noted in the report. We assumed that the information provided is factual, accurate, and we accept no responsibility for any deficiency, misstatements, or inaccuracies contained in this report as a result of omissions, misrepresentation, or fraudulent acts of any persons or organizations contacted. It should be recognized that the passage of time affects the information provided in this report. Environmental conditions of a site can change. Opinions relating to the site conditions are based upon information that existed at the time the conclusions were formulated. SEL cannot warrant against undiscovered environmental liabilities without further subsurface investigations.

If any information becomes available that differs from the findings in this report, we request that we be notified immediately to reassess the conclusions provided herein.

This report has been prepared for the sole use of the person or entity to who it is addressed. No other person or entity is entitled to use or rely upon this report without the express written consent of SEL and the person or entity to who it is addressed. Any use that a third party makes of this report, or any reliance based on conclusions and recommendations made, are the responsibility of such third parties. SEL accepts no responsibility for damages suffered by third parties as a result of actions based on this report.

9 Closure

We trust this report is satisfactory for your purposes. Should you have any questions, please do not hesitate to contact this office.

Yours truly,

Safetech Environmental Limited



Robert Fuller, P.Eng
Environmental Engineer



Derrick Trim, B.Eng, EIT
Environmental Services



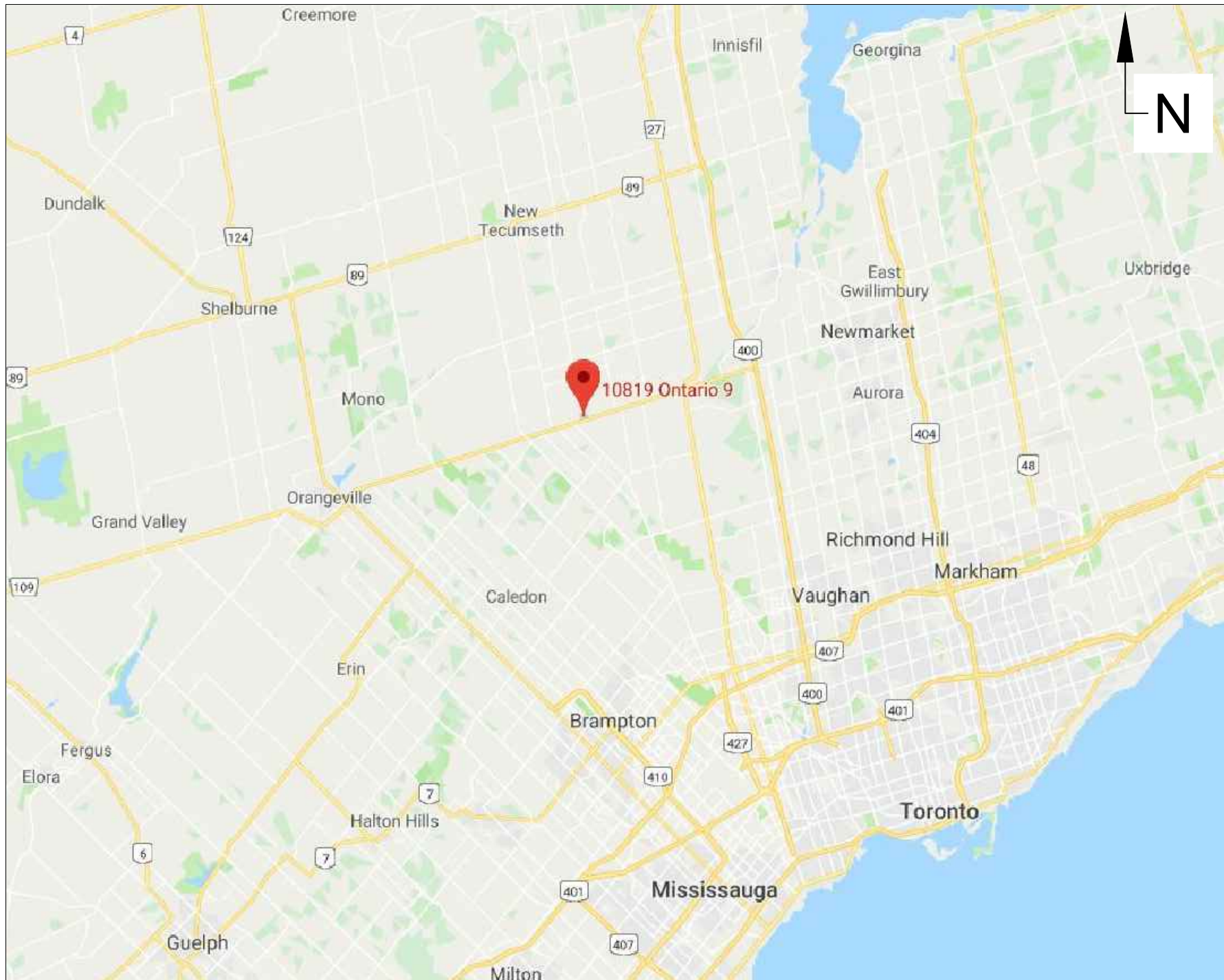
Philip I. Warren, P.Eng (QP), PMP
Manager – Environmental Services

10 References

This study was conducted in general accordance with the applicable Regulations, Guidelines, Policies, Standards, Protocols and Objectives administered by the Ministry of the Environment. Specific reference is made to the following:

- Ministry of the Environment [MOE] (1996) Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario. Ontario Ministry of the Environment, December 1996.
- *Ontario Water Resources Act* – R.R.O. 1990, Regulation 903, amended to O.Reg. 128/03, August 2003.
- MOE (2004a) Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the *Environmental Protection Act*. Ontario Ministry of the Environment, March 2004.
- MOE (2004b) Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the *Environmental Protection Act*. Ontario Ministry of the Environment, March 2004.
- Ontario Regulation 153/04, made under the *Environmental Protection Act*, May 2004, amended by O.Reg. 511/09.
- *Environmental Protection Act*, R.S.O. 1990, Chapter E.19, as amended, September 2004.
- Canadian Standards Association [CSA] (2000) Z769-00, Phase II Environmental Site Assessment. Canadian Standards Association, March 2000.
- “Phase One Environmental Site Assessment 10819 Highway 9 Caledon Ontario”, prepared for Lions Group Inc., prepared by Safetech Environmental Ltd., dated April 18, 2019.

FIGURES



Title:
Figure 1:
Site Location Map

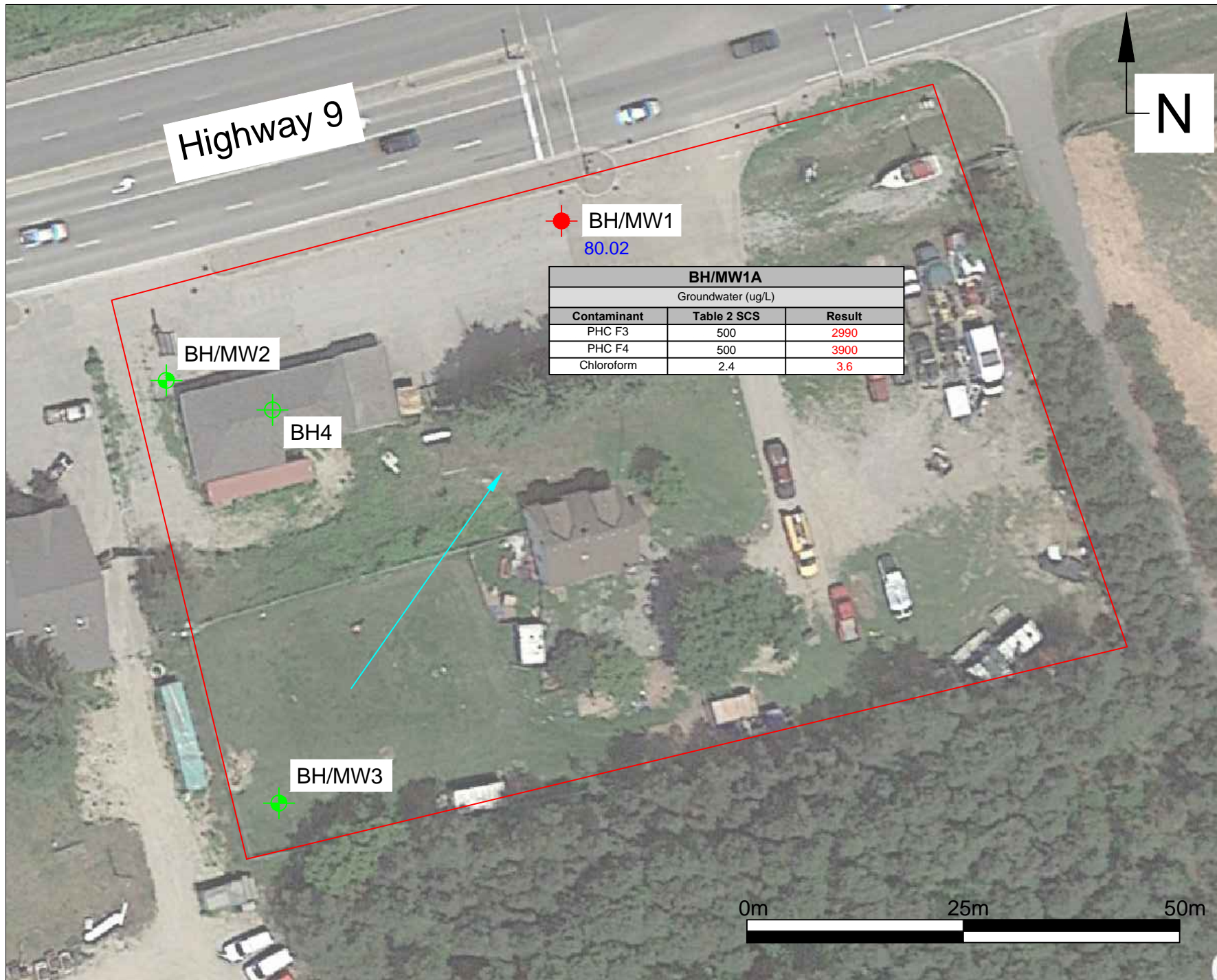


PROJECT:
10819 Highway 9,
Caledon, Ontario
Phase II ESA






DATE OF DRAWING:
2019/05/29

SEL PROJECT #:
606918

IMAGE SOURCE:
Google Maps



Title:
Figure 2:
Site Plan

-  Approximate Site Boundary
-  80' - 90' Monitoring Well Location
-  20' - 30' Monitoring Well Locations
-  20' Borehole Location
-  Anticipated Groundwater Flow Direction
- 99.99 Relative Water Level Elevation (m)

BH/MW1
80.02

BH/MW1A		
Groundwater (ug/L)		
Contaminant	Table 2 SCS	Result
PHC F3	500	2990
PHC F4	500	3900
Chloroform	2.4	3.6

Highway 9

BH/MW2

BH4

BH/MW3

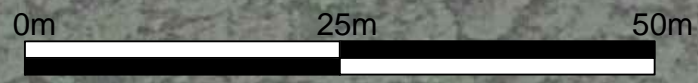


PROJECT:
10819 Highway 9,
Caledon, Ontario
Phase II ESA

DATE OF DRAWING:
2019/05/29

SEL PROJECT #:
606918

IMAGE SOURCE:
Google Earth



TABLES

Table I
Soil Analytical Results - PHCs F1-F4
10819 Highway 9, Caledon, ON
May 2019

O. Reg. 153/04, 2011 Table 2: Industrial/Commercial/Community Coarse Textured Soils		Date Sampled	Date Sampled	Date Sampled	Date Sampled
		29-May-2019	3-May-2019	3-May-2019	3-May-2019
		Sample ID	Sample ID	Sample ID	Sample ID
		BH/MW1 A SS10	BH/MW2A SS7	BH/MW3A SS6	BH4A- SS5
Parameter	Criteria (µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)
PHC F1 (C6 to C10)	55	<10	<10	<10	<10
PHC F2 (C10 to C16)	230	<10	<10	<10	<10
PHC F3 (C16 to C34)	1700	20	<20	<20	<20
PHC F4 (C34 to C50)	3300	20	<20	<20	<20

Notes:

1. **BOLD** Concentration above noted criteria
2. **BOLD** Detection limit above noted criteria
3. NV = No Value
4. Criteria Refers to the Ministry of the Environment and Climate Change "Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act", April 15, 2011

Table II
Soil Analytical Results - VOCs
10819 Highway 9, Caledon, ON
May 2019

O. Reg. 153/04, 2011 Table 2: Industrial/Commercial/Community Coarse Textured Soils		Date Sampled	Date Sampled	Date Sampled	Date Sampled
		29-May-2019	3-May-2019	3-May-2019	3-May-2019
		Sample ID	Sample ID	Sample ID	Sample ID
		BH/MW1 A	BH/MW2A SS7	BH/MW3A SS6	BH4A- SS5
		18.3 - 18.9 mbgs	6.1 - 6.4 mbgs	6.1 - 6.6 mbgs	4.9 - 6.1 mbgs
Parameter	Criteria (µg/g)	(µg/g)	(µg/g)	(µg/g)	(µg/g)
Acetone	16	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	1.5	<0.05	<0.05	<0.05	<0.05
Bromoform	0.61	<0.05	<0.05	<0.05	<0.05
Bromomethane	0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	0.21	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	2.4	<0.05	<0.05	<0.05	<0.05
Chloroform	0.47	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	2.3	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	1.2	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	9.6	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	0.2	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	16	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	0.47	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	0.064	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, cis-1,2-	1.9	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, trans-1,2-	1.3	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	0.16	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-	0.059	<0.05	<0.05	<0.05	<0.05
Dioxane, 1,4-	1.8	---	---	---	---
Ethylene Dibromide	0.05	<0.05	<0.05	<0.05	<0.05
Hexane (n)	46	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	70	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	31	<0.50	<0.50	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	1.6	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	1.6	<0.05	<0.05	<0.05	<0.05
Styrene	34	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	0.087	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	1.9	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,1-	6.1	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	0.55	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	4	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	0.032	<0.02	<0.02	<0.02	<0.02

Notes:

1. **BOLD** Concentration above noted criteria
2. **BOLD** Detection limit above noted criteria
3. NV = No Value
4. Criteria Refers to the Ministry of the Environment and Climate Change "Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act", April 15, 2011

Table III
Groundwater Analytical Results - PHCs F1-F4
10819 Highway 9, Caledon, ON
May 2019

O. Reg. 153/04, 2011 Table 2: Full Depth Potable Coarse Grain All Types of Property Use		Date Sampled
		16-May-2019
		Sample ID
		BH/MW1A
Parameter	Criteria (µg/L)	(µg/L)
PHC F1 (C6 to C10)	750	<20
PHC F2 (C10 to C16)	150	<20
PHC F3 (C16 to C34)	500	2990
PHC F4 (C34 to C50)	500	3900

Notes:

1. **BOLD** Concentration above noted criteria
2. **BOLD** Detection limit above noted criteria
3. NV = No Value
4. Criteria Refers to the Ministry of the Environment and Climate Change "Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act" April

Table IV
Groundwater Analytical Results - VOCs
10819 Highway 9, Caledon, ON
May 2019

O. Reg. 153/04, 2011 Table 2: Full Depth Potable Coarse Grain All Types of Property Use		Date Sampled
		16-May-2019
		Sample ID
		BH/MW1A
Parameter	Criteria (µg/L)	(µg/L)
Acetone	2700	<30
Bromodichloromethane	16	2.1
Bromoform	25	<0.4
Bromomethane	0.89	<0.5
Carbon Tetrachloride	0.79	<0.2
Chlorobenzene	30	<0.5
Chloroform	2.4	3.6
Dibromochloromethane	25	1.1
Dichlorobenzene, 1,2-	3	<0.4
Dichlorobenzene, 1,3-	59	<0.4
Dichlorobenzene, 1,4-	1	<0.4
Dichlorodifluoromethane	590	<0.5
Dichloroethane, 1,1-	5	<0.4
Dichloroethane, 1,2-	1.6	<0.2
Dichloroethylene, 1,1-	1.6	<0.5
Dichloroethylene, cis-1,2-	1.6	<0.4
Dichloroethylene, trans-1,2-	1.6	<0.4
Dichloropropane, 1,2-	5	<0.5
Dichloropropene, 1,3-	0.5	<0.3
Dioxane, 1,4-	50	---
Ethylene Dibromide	0.2	<0.2
Hexane (n)	51	<5
Methyl Ethyl Ketone	1800	<10
Methyl Isobutyl Ketone	640	<10
Methyl tert-Butyl Ether (MTBE)	15	<2
Methylene Chloride	50	<4.0
Styrene	5.4	<0.5
Tetrachloroethane, 1,1,1,2-	1.1	<0.5
Tetrachloroethane, 1,1,2,2-	1	<0.5
Tetrachloroethylene	1.6	<0.3
Trichloroethane, 1,1,1-	200	<0.4
Trichloroethane, 1,1,2-	4.7	<0.4
Trichloroethylene	1.6	<0.3
Trichlorofluoromethane	150	<0.5
Vinyl Chloride	0.5	<0.2

Notes:

1. **BOLD** Concentration above noted criteria
2. **BOLD** Detection limit above noted criteria
3. NV = No Value
4. Criteria Refers to the Ministry of the Environment and Climate Change "Soil, Ground Water and Sediment Standards for use Under Part XV.1 of the Environmental Protection Act", April 15, 2011

APPENDIX A

BOREHOLE LOGS



Safetech Environmental Ltd.

BORING NUMBER BH/MW1A

CLIENT Rendezvous Holdings Inc.
 PROJECT NUMBER 606918
 DATE STARTED 5/8/19 COMPLETED 5/10/19
 DRILLING CONTRACTOR Profile Drilling Inc.
 DRILLING METHOD Direct Push/Trackmounted Mobile B-60
 LOGGED BY DT CHECKED BY PW
 NOTES _____

PROJECT NAME _____
 PROJECT LOCATION 10819 Highway 9, Caledon, Ontario
 GROUND ELEVATION _____ HOLE SIZE 2"
 GROUND WATER LEVELS:
 AT TIME OF DRILLING ---
 AT END OF DRILLING ---
 AFTER DRILLING 16.78 m

SAFETECH ENVIRONMENTAL BH LOG 10819 HWY 9 BH LOGS.GPJ GINT STD CANADA.GDT 5/29/19

DEPTH (ft)	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	LAYER DEPTH (m)	SAMPLE NUMBER	RECOVERY (%)	VAPOUR READING (ppm)	WELL DIAGRAM
			ASPHALT	0.08				
			GRAVELLY SAND Dry; Friable; Light Brown; No Odor	0.30 1.22	SS1	51	0.06	
			SAND Moist; Friable; Brown; No Odor	3.66	SS2	38	0.24	
5			trace Silt	4.88	SS3	43	0.3	
			trace Silt		SS4	43	0.25	
			trace SILT	6.25	SS5	50	0.24	
25			trace SILT	6.71	SS6	54	0.09	
			SANDY GRAVEL Friable; Light Brown Sand, Multi Colored Gravel; No Odor	8.23				
	10		GRAVELLY SAND Loose; Multi Colored Gravel, Brown Sand; No Odor	9.75	SS7	75	0.15	
			SAND Firm; Brown; No Odor	12.80	SS8	49	0.09	
50	15		GRAVELLY SAND Loose; Multi Colored Gravel, Brown Sand; No Odor		SS9	54	0.06	
			SAND Firm; Brown; No Odor	21.95	SS11	67	0	
75	25		SILTY SAND Friable; Brown; No Odor		SS12	70	0	
			SAND Firm; Brown; No Odor	28.04	SS13	70	0	
			GRAVELLY SAND Loose; Multi Colored Gravel, Brown Sand; No Odor	31.09	SS14	49	0	
100	30		SANDY GRAVEL Friable; Light Brown Sand, Multi Colored Gravel; No Odor	34.14	SS15	49	0.12	
Borehole Termination Depth: 34.14 m								



CLIENT Rendezvous Holdings Inc.
 PROJECT NUMBER 606918
 DATE STARTED 5/3/19 COMPLETED 5/3/19
 DRILLING CONTRACTOR Profile Drilling Inc.
 DRILLING METHOD Direct Push/Trackmounted Mobile B-45
 LOGGED BY DT CHECKED BY PW
 NOTES _____

PROJECT NAME _____
 PROJECT LOCATION 10819 Highway 9, Caledon, Ontario
 GROUND ELEVATION _____ HOLE SIZE 2"
 GROUND WATER LEVELS:
 AT TIME OF DRILLING ---
 AT END OF DRILLING ---
 AFTER DRILLING ---

DEPTH (ft)	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	LAYER DEPTH (m)	SAMPLE NUMBER	RECOVERY (%)	VAPOUR READING (ppm)	WELL DIAGRAM
			ASPHALT	0.05				
			SAND Black	0.10				
			SAND Moist; Loose; Brown; No Odor		SS1	12	0.02	
	2				SS2	77	0	
10					SS3	81	0.01	
	4				SS4	69	0.01	
					SS5	70	0.05	
	6		SANDY SILT Moist; Friable; Brown; No Odor	5.79	SS6	83	0.11	
20				6.40	SS7*	60	0.18	
			SAND Moist; Loose; Brown; No Odor		SS8	87	0.16	
	8				SS9	98	0.09	
			trace Gravel		SS10	92	0.1	
				9.14	Borehole Termination Depth: 9.14 m			

SAFETECH ENVIRONMENTAL BH LOG 10819 HWY 9 BH LOGS.GPJ GINT STD CANADA.GDT 5/29/19



CLIENT Rendezvous Holdings Inc.
 PROJECT NUMBER 606918
 DATE STARTED 5/3/19 COMPLETED 5/3/19
 DRILLING CONTRACTOR Profile Drilling Inc.
 DRILLING METHOD Direct Push/Trackmounted Mobile B-45
 LOGGED BY DT CHECKED BY PW
 NOTES _____

PROJECT NAME _____
 PROJECT LOCATION 10819 Highway 9, Caledon, Ontario
 GROUND ELEVATION _____ HOLE SIZE 2"
 GROUND WATER LEVELS:
 AT TIME OF DRILLING ---
 AT END OF DRILLING ---
 AFTER DRILLING ---

DEPTH (ft)	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	LAYER DEPTH (m)	SAMPLE NUMBER	RECOVERY (%)	VAPOUR READING (ppm)	WELL DIAGRAM
			TOPSOIL Moist; Loose; Dark Brown, Black; Organics Odor	0.61				
			SAND Moist; Loose; Brown; No Odor					
	2				SS2	81	0	
	10				SS3	96	0.02	
	4				SS4	93	0.1	
	6				SS5	92	0.04	
	20				SS6*	100	0.14	
			SANDY SILT Wet; Friable; Brown; No Odor	6.58				
	8				SS7	93	0.07	
			SAND Moist; Friable; Light Brown; No Odor	8.10				
					SS9	58	0.14	
					SS10	100	0.08	
				9.14	Borehole Termination Depth: 9.14 m			

SAFETECH ENVIRONMENTAL BH LOG 10819 HWY 9 BH LOGS.GPJ GINT STD CANADA.GDT 5/29/19



CLIENT Rendezvous Holdings Inc.
 PROJECT NUMBER 606918
 DATE STARTED 5/3/19 COMPLETED 5/3/19
 DRILLING CONTRACTOR Profile Drilling Inc.
 DRILLING METHOD Direct Push/Trackmounted Mobile B-45
 LOGGED BY DT CHECKED BY PW
 NOTES _____

PROJECT NAME _____
 PROJECT LOCATION 10819 Highway 9, Caledon, Ontario
 GROUND ELEVATION _____ HOLE SIZE 2"
 GROUND WATER LEVELS:
 AT TIME OF DRILLING ---
 AT END OF DRILLING ---
 AFTER DRILLING ---

DEPTH (ft)	DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	LAYER DEPTH (m)	SAMPLE NUMBER	RECOVERY (%)	VAPOUR READING (ppm)	WELL DIAGRAM
			CONCRETE	0.08				
			SAND Moist; Loose; Brown; No Odor		SS1	32	0.02	
	2				SS2	65	0.03	
10					SS3	88	0.03	
	4				SS4	96	0.06	
	6				SS5*	89	0.07	
20				6.10				

Borehole Termination Depth: 6.10 m

APPENDIX B
CERTIFICATE OF ANALYSIS – SOIL

Client: Safetech Environmental Limited
14 - 3045 Southcreek Rd.
Mississauga, ON
L4X 2X7
Attention: Mr. Derrick Trim
Invoice to: Safetech Environmental Limited
PO#:

Report Number: 1907638
Date Submitted: 2019-05-15
Date Reported: 2019-05-23
Project: 606918/607018
COC #: 203177
Temperature (C): 9
Custody Seal:

Page 1 of 10

Dear Derrick Trim:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

Long Qu, Organics Supervisor

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <http://www.cala.ca/scopes/2602.pdf>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1426746	1426747
					Sample Matrix	Soil153	Soil153
				Sample Type	2019-05-09	2019-05-13	2019-05-13
				Sample Date	2019-05-09	2019-05-13	2019-05-13
				Sampling Time	BH/MW1A	BH/MW1	BH/MW1
				Sample I.D.	SS10	SS8	SS8
PHC's F1	365956	10	ug/g			<10	<10
PHC's F1-BTEX	365956	10	ug/g			<10	<10
PHC's F2	366073	10	ug/g			<10	<10
PHC's F3	366073	20	ug/g			20	<20
PHC's F4	366073	20	ug/g			20	40

Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1426746	1426747
					Sample Matrix	Soil153	Soil153
				Sample Type	2019-05-09	2019-05-13	2019-05-13
				Sample Date	2019-05-09	2019-05-13	2019-05-13
				Sampling Time	BH/MW1A	BH/MW1	BH/MW1
				Sample I.D.	SS10	SS8	SS8
Acetone	365947	0.50	ug/g			<0.50	<0.50
Benzene	365956	0.02	ug/g			<0.02	<0.02
Bromodichloromethane	365956	0.05	ug/g			<0.05	<0.05
Bromoform	365956	0.05	ug/g			<0.05	<0.05
Bromomethane	365956	0.05	ug/g			<0.05	<0.05
Carbon Tetrachloride	365956	0.05	ug/g			<0.05	<0.05
Chlorobenzene	365956	0.05	ug/g			<0.05	<0.05
Chloroform	365956	0.05	ug/g			<0.05	<0.05
Dibromochloromethane	365956	0.05	ug/g			<0.05	<0.05
Dichlorobenzene, 1,2-	365956	0.05	ug/g			<0.05	<0.05
Dichlorobenzene, 1,3-	365956	0.05	ug/g			<0.05	<0.05
Dichlorobenzene, 1,4-	365956	0.05	ug/g			<0.05	<0.05
Dichlorodifluoromethane	365956	0.05	ug/g			<0.05	<0.05

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Volatiles

Lab I.D.
 Sample Matrix
 Sample Type
 Sample Date
 Sampling Time
 Sample I.D.

1426746
 Soil153
 2019-05-09
 BH/MW1A
 SS10

1426747
 Soil153
 2019-05-13
 BH/MW1
 SS8

Analyte	Batch No	MRL	Units	Guideline		
Dichloroethane, 1,1-	365956	0.05	ug/g		<0.05	<0.05
Dichloroethane, 1,2-	365956	0.05	ug/g		<0.05	<0.05
Dichloroethylene, 1,1-	365956	0.05	ug/g		<0.05	<0.05
Dichloroethylene, 1,2-cis-	365956	0.05	ug/g		<0.05	<0.05
Dichloroethylene, 1,2-trans-	365956	0.05	ug/g		<0.05	<0.05
Dichloropropane, 1,2-	365956	0.05	ug/g		<0.05	<0.05
Dichloropropene,1,3-	365956	0.05	ug/g		<0.05	<0.05
Dichloropropene,1,3-cis-	365956	0.05	ug/g		<0.05	<0.05
Dichloropropene,1,3-trans-	365956	0.05	ug/g		<0.05	<0.05
Ethylbenzene	365956	0.05	ug/g		<0.05	<0.05
Ethylene dibromide	365956	0.05	ug/g		<0.05	<0.05
Hexane (n)	365956	0.05	ug/g		<0.05	<0.05
Methyl Ethyl Ketone	365947	0.50	ug/g		<0.50	<0.50
Methyl Isobutyl Ketone	365947	0.50	ug/g		<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	365947	0.05	ug/g		<0.05	<0.05
Methylene Chloride	365956	0.05	ug/g		<0.05	<0.05
Styrene	365956	0.05	ug/g		<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	365956	0.05	ug/g		<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	365956	0.05	ug/g		<0.05	<0.05
Tetrachloroethylene	365956	0.05	ug/g		<0.05	<0.05
Toluene	365956	0.20	ug/g		<0.20	<0.20
Trichloroethane, 1,1,1-	365956	0.05	ug/g		<0.05	<0.05
Trichloroethane, 1,1,2-	365956	0.05	ug/g		<0.05	<0.05
Trichloroethylene	365956	0.05	ug/g		<0.05	<0.05

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Volatiles

Lab I.D.	1426746	1426747
Sample Matrix	Soil153	Soil153
Sample Type		
Sample Date	2019-05-09	2019-05-13
Sampling Time		
Sample I.D.	BH/MW1A	BH/MW1
Guideline	SS10	SS8

Analyte	Batch No	MRL	Units	Guideline		
Trichlorofluoromethane	365956	0.05	ug/g		<0.05	<0.05
Vinyl Chloride	365956	0.02	ug/g		<0.02	<0.02
Xylene Mixture	365957	0.05	ug/g		<0.05	<0.05
Xylene, m/p-	365956	0.05	ug/g		<0.05	<0.05
Xylene, o-	365956	0.05	ug/g		<0.05	<0.05

Moisture

Lab I.D.	1426746	1426747
Sample Matrix	Soil153	Soil153
Sample Type		
Sample Date	2019-05-09	2019-05-13
Sampling Time		
Sample I.D.	BH/MW1A	BH/MW1
Guideline	SS10	SS8

Analyte	Batch No	MRL	Units	Guideline		
Moisture-Humidite	366073	0.1	%		7.6	13.3

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

PHC Surrogate

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1426746	1426747
					Sample Matrix	Soil153	Soil153
					Sample Type		
					Sample Date	2019-05-09	2019-05-13
					Sampling Time		
					Sample I.D.	BH/MW1A	BH/MW1
						SS10	SS8
Alpha-androstrane	366073	0	%			70	78

VOCs Surrogates

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1426746	1426747
					Sample Matrix	Soil153	Soil153
					Sample Type		
					Sample Date	2019-05-09	2019-05-13
					Sampling Time		
					Sample I.D.	BH/MW1A	BH/MW1
						SS10	SS8
1,2-dichloroethane-d4	365956	0	%			90	90
4-bromofluorobenzene	365956	0	%			102	101
Toluene-d8	365956	0	%			112	114

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
365947	Acetone	<0.50 ug/g	106	60-130	108	50-140	0	0-50
365947	Methyl Ethyl Ketone	<0.50 ug/g	104	60-130	104	50-140	0	0-50
365947	Methyl Isobutyl Ketone	<0.50 ug/g	84	60-130	98	50-140	0	0-50
365947	Methyl tert-Butyl Ether (MTBE)	<0.05 ug/g	83	60-130	78	50-140	0	0-50
365956	Tetrachloroethane, 1,1,1,2-	<0.05 ug/g	98	60-130	107	50-140	0	0-50
365956	Trichloroethane, 1,1,1-	<0.05 ug/g	93	60-130	100	50-140	0	0-50
365956	Tetrachloroethane, 1,1,2,2-	<0.05 ug/g	98	60-130	111	50-140	0	0-30
365956	Trichloroethane, 1,1,2-	<0.05 ug/g	95	60-130	107	50-140	0	0-50
365956	Dichloroethane, 1,1-	<0.05 ug/g	94	60-130	99	50-140	0	0-50
365956	Dichloroethylene, 1,1-	<0.05 ug/g	90	60-130	93	50-140	0	0-50
365956	Dichlorobenzene, 1,2-	<0.05 ug/g	94	60-130	101	50-140	0	0-50
365956	Dichloroethane, 1,2-	<0.05 ug/g	100	60-130	100	50-140	0	0-50
365956	Dichloropropane, 1,2-	<0.05 ug/g	96	60-130	102	50-140	0	0-50
365956	Dichlorobenzene, 1,3-	<0.05 ug/g	98	60-130	107	50-140	0	0-50
365956	Dichloropropene, 1,3-							
365956	Dichlorobenzene, 1,4-	<0.05 ug/g	100	60-130	109	50-140	0	0-50
365956	Benzene	<0.02 ug/g	93	60-130	99	50-140	0	0-50
365956	Bromodichloromethane	<0.05 ug/g	85	60-130	94	50-140	0	0-50
365956	Bromoform	<0.05 ug/g	91	60-130	113	50-140	0	0-50
365956	Bromomethane	<0.05 ug/g	118	60-130	93	50-140	0	0-50
365956	Dichloroethylene, 1,2-cis-	<0.05 ug/g	95	60-130	98	50-140	0	0-50
365956	Dichloropropene, 1,3-cis-	<0.05 ug/g	83	60-130	96	50-140	0	0-50
365956	Carbon Tetrachloride	<0.05 ug/g	104	60-130	104	50-140	0	0-50
365956	Chloroform	<0.05 ug/g	94	60-130	99	50-140	0	0-50
365956	Dibromochloromethane	<0.05 ug/g	84	60-130	96	50-140	0	0-50
365956	Dichlorodifluoromethane	0.06 ug/g	103	60-130	97	50-140	0	0-50
365956	Methylene Chloride	<0.05 ug/g	83	60-130	80	50-140	0	0-50
365956	Ethylbenzene	<0.05 ug/g	91	60-130	103	50-140	0	0-50
365956	Ethylene dibromide	<0.05 ug/g	92	60-130		50-140		0-50
365956	PHC's F1	<10 ug/g	99	80-120	98	60-140	0	0-30
365956	PHC's F1-BTEX							
365956	Hexane (n)	<0.05 ug/g	89	60-130	95	50-140	0	0-50
365956	Xylene, m/p-	<0.05 ug/g	95	60-130	106	50-140	0	0-50

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
365956	Chlorobenzene	<0.05 ug/g	90	60-130	100	50-140	0	0-50
365956	Xylene, o-	<0.05 ug/g	94	60-130	106	50-140	0	0-50
365956	Styrene	<0.05 ug/g	86	60-130	100	50-140	0	0-50
365956	Dichloroethylene, 1,2-trans-	<0.05 ug/g	90	60-130	98	50-140	0	0-50
365956	Dichloropropene, 1,3-trans-	<0.05 ug/g	89	60-130	102	50-140	0	0-50
365956	Tetrachloroethylene	<0.05 ug/g	86	60-130	96	50-140	0	0-50
365956	Toluene	<0.20 ug/g	110	60-130	117	50-140	0	0-50
365956	Trichloroethylene	<0.05 ug/g	93	60-130	98	50-140	0	0-50
365956	Trichlorofluoromethane	<0.05 ug/g	93	60-130	96	50-140	0	0-50
365956	Vinyl Chloride	<0.02 ug/g	102	60-130	140	50-140	0	0-50
365957	Xylene Mixture							
366073	PHC's F2	<10 ug/g	84	80-120	128	60-140	0	0-30
366073	PHC's F3	<20 ug/g	84	80-120	128	60-140	0	0-30
366073	PHC's F4	<20 ug/g	84	80-120	128	60-140	0	0-30
366073	Moisture-Humidite		100	80-120			4	

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
365947	Acetone	GC-MS	2019-05-15	2019-05-17	TJB	V 8260B
365947	Methyl Ethyl Ketone	GC-MS	2019-05-15	2019-05-17	TJB	V 8260B
365947	Methyl Isobutyl Ketone	GC-MS	2019-05-15	2019-05-17	TJB	V 8260B
365947	Methyl tert-Butyl Ether (MTBE)	GC-MS	2019-05-15	2019-05-17	TJB	V 8260B
365956	Tetrachloroethane, 1,1,1,2-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Trichloroethane, 1,1,1-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Tetrachloroethane, 1,1,2,2-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Trichloroethane, 1,1,2-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloroethane, 1,1-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloroethylene, 1,1-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichlorobenzene, 1,2-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloroethane, 1,2-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloropropane, 1,2-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichlorobenzene, 1,3-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloropropene,1,3-	GC-MS	2019-05-22	2019-05-22	TJB	V 8260B
365956	Dichlorobenzene, 1,4-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Benzene	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Bromodichloromethane	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Bromoform	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Bromomethane	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloroethylene, 1,2-cis-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloropropene,1,3-cis-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Carbon Tetrachloride	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Chloroform	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dibromochloromethane	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichlorodifluoromethane	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Methylene Chloride	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Ethylbenzene	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Ethylene dibromide	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	PHC's F1	GC/FID	2019-05-22	2019-05-22	TJB	CCME
365956	PHC's F1-BTEX	GC/FID	2019-05-22	2019-05-22	TJB	CCME
365956	Hexane (n)	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Xylene, m/p-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
365956	Chlorobenzene	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Xylene, o-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Styrene	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloroethylene, 1,2-trans-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Dichloropropene, 1,3-trans-	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Tetrachloroethylene	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Toluene	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Trichloroethylene	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Trichlorofluoromethane	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365956	Vinyl Chloride	GC-MS	2019-05-16	2019-05-17	TJB	V 8260B
365957	Xylene Mixture	GC-MS	2019-05-22	2019-05-22	TJB	V 8260B
366073	PHC's F2	GC/FID	2019-05-22	2019-05-23	C_M	CCME
366073	PHC's F3	GC/FID	2019-05-22	2019-05-23	C_M	CCME
366073	PHC's F4	GC/FID	2019-05-22	2019-05-23	C_M	CCME
366073	Moisture-Humidite	Oven	2019-05-22	2019-05-23	C_M	ASTM 2216

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907638
 Date Submitted: 2019-05-15
 Date Reported: 2019-05-23
 Project: 606918/607018
 COC #: 203177

Petroleum Hydrocarbons - CCME Checklist

Samples were analysed by Eurofins Ottawa Method AMCCME2, "Petroleum Hydrocarbons in Water and Soil, CCME/TPH", "Petroleum Hydrocarbons in Water and Soil, CCME/TPH". These methods comply with the reference method for the CCME CWS PHC and are validated for use in the laboratory. Eurofins Ottawa is accredited by CALA (ISO 17025) for all CCME F1-F4 fractions as listed in this report. Eurofins Mississauga is accredited by SCC (ISO 17025) for all CCME F1-F4 fractions as listed in this report. Data for QC samples (blank, duplicate, spike) are available on request

Holding/Analysis Times	Yes/No	If NO, then reasons
All fractions analyzed within recommended hold times/analysis times?	Yes	
F1		
nC6 and nC10 response factors within 30% of toluene	Yes	
BTEX was subtracted from F1 fraction	Yes	
If YES, was F1-BTEX (C6-C10) reported	Yes	
F2		
nC10, nC16 and nC34 response factors within 10% of their average (F2-F4)	Yes	
Linearity within 15% (F2-F4)	Yes	
Napthalene was subtracted from F2 fraction		Napthalene (PAH) not requested/analysed
If YES was F2-Napthalene reported		
F3		
PAH (selected compounds) subtracted from F3 fraction		PAH not requested/analysed
If YES was F3-PAH reported		
F4		
C50 response factor within 70% of nC10+nC16+nC34 average	Yes	
Chromatogram descended to baseline by retention time of C50	Yes	
if NO was F4 (C34-C50) gravimetric reported		

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

190-538

CLIENT INFORMATION INVOICE INFORMATION (SAME AS CLIENT INFORMATION: YES NO)

Company:	Safetech Environmental Ltd	Company:	
Contact:	Derrick Trim	Contact:	Carolyn Cay
Address:	3045 Southcreek Road, Mississauga, ON	Address:	
Telephone:	416 200 8218	Telephone:	
Email:	#1: dtrim@safetechenv.com	Email:	#1: ccay@safetechenv.com
Email:	#2:	Email:	#2:
Project:	606918 / 607018	PO #:	
		Quote #:	

<input type="checkbox"/> Sanitary Sewer, City: _____ <input type="checkbox"/> Storm Sewer, City: _____ <input checked="" type="checkbox"/> O. Reg 153, Table: <u>2</u> , Type: <u>Commercial/Industrial</u> <input type="checkbox"/> Excess Soil, Table: _____, Type: _____	<input type="checkbox"/> ODWSOG <input type="checkbox"/> PWQO <input type="checkbox"/> O. Reg 347/558 <input type="checkbox"/> Other: _____	<input type="checkbox"/> 1 Day* (100%) <input type="checkbox"/> 2 Day** (50%) <input type="checkbox"/> 3-5 Days (25%) <input checked="" type="checkbox"/> 5-7 Days (Standard)
Please contact the laboratory in advance to determine rush availability. Surcharges may apply to rush service.		*If the results are reported the day after the rush due date, the following surcharges will apply: before 12:00 - 100%, after 12:00 - 50%. **If the results are reported the day after the rush due date, the following surcharges will apply: before 12:00 - 50%, after 12:00 - 25%.

Sample ID	Date/Time Collected	Sample Details			Sample Analysis Required							Field Parameters		RN# (Lab Use Only)			
		Sample Matrix	Resample? Y = Yes N = No	# of Containers	Metals and Inorganics	Metals (ex. Hg, B, CrVI)	BTEX	VOC	PHC E1-E4								
BH/MW1A SS10	05/09/19	Soil	N	4							X	X					PN: 606918
BH/MW1 SS8	05/13/19	Soil	N	3							X	X					PN: 607018

16/05/19
9
6

PRINT	SIGN	DATE/TIME	TEMP (°C)	COMMENTS:
Sampled By: Derrick Trim	<i>Derrick Trim</i>	05/15/19		
Relinquished By:				
Received By: Laura Adams	<i>Laura Adams</i>	05/15/19 1500	2.3°C	

Client: Safetech Environmental Limited
14 - 3045 Southcreek Rd.
Mississauga, ON
L4X 2X7
Attention: Mr. Derrick Trim
Invoice to: Safetech Environmental Limited
PO#:

Report Number: 1906910
Date Submitted: 2019-05-07
Date Reported: 2019-05-14
Project: 606916
COC #: 838011
Temperature (C): 11
Custody Seal:

Dear Derrick Trim:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Sample Comment Summary

Sample ID: 1424902	BHMW2A SS7	RECORD OF SITE CONDITION
Sample ID: 1424903	BHMW3A SS6	RECORD OF SITE CONDITION
Sample ID: 1424904	BH4A SS5	RECORD OF SITE CONDITION

Report Comments:

Long Qu, Organics Supervisor

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <http://www.cala.ca/scopes/2602.pdf>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Guideline = O.Reg 153-T3-Ind/Com-Med/Fine

Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1424902 Soil153	1424903 Soil153	1424904 Soil153	2019-05-03	2019-05-03	2019-05-03
PHC's F1	365476	10	ug/g	STD 65	<10	<10	<10			
PHC's F1-BTEX	365478	10	ug/g		<10	<10	<10			
PHC's F2	365470	10	ug/g	STD 250	<10	<10	<10			
PHC's F3	365470	20	ug/g	STD 2500	<20	<20	<20			
PHC's F4	365470	20	ug/g	STD 6600	<20	<20	<20			

Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1424902 Soil153	1424903 Soil153	1424904 Soil153	2019-05-03	2019-05-03	2019-05-03
Acetone	365455	0.50	ug/g	STD 28	<0.50	<0.50	<0.50			
Benzene	365473	0.02	ug/g	STD 0.4	<0.02	<0.02	<0.02			
Bromodichloromethane	365473	0.05	ug/g	STD 18	<0.05	<0.05	<0.05			
Bromoform	365473	0.05	ug/g	STD 1.7	<0.05	<0.05	<0.05			
Bromomethane	365473	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05			
Carbon Tetrachloride	365473	0.05	ug/g	STD 1.5	<0.05	<0.05	<0.05			
Chlorobenzene	365473	0.05	ug/g	STD 2.7	<0.05	<0.05	<0.05			
Chloroform	365473	0.05	ug/g	STD 0.18	<0.05	<0.05	<0.05			
Dibromochloromethane	365473	0.05	ug/g	STD 13	<0.05	<0.05	<0.05			
Dichlorobenzene, 1,2-	365473	0.05	ug/g	STD 8.5	<0.05	<0.05	<0.05			
Dichlorobenzene, 1,3-	365473	0.05	ug/g	STD 12	<0.05	<0.05	<0.05			
Dichlorobenzene, 1,4-	365473	0.05	ug/g	STD 0.84	<0.05	<0.05	<0.05			
Dichlorodifluoromethane	365473	0.05	ug/g	STD 25	<0.05	<0.05	<0.05			

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Guideline = O.Reg 153-T3-Ind/Com-Med/Fine

Volatiles

Lab I.D.	1424902	1424903	1424904
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2019-05-03	2019-05-03	2019-05-03
Sampling Time			
Sample I.D.	BHMW2A SS7	BHMW3A SS6	BH4A SS5

Analyte	Batch No	MRL	Units	Guideline			
Dichloroethane, 1,1-	365473	0.05	ug/g	STD 21	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	365473	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	365473	0.05	ug/g	STD 0.48	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	365473	0.05	ug/g	STD 37	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	365473	0.05	ug/g	STD 9.3	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	365473	0.05	ug/g	STD 0.68	<0.05	<0.05	<0.05
Dichloropropene,1,3-	365476	0.05	ug/g	STD 0.21	<0.05	<0.05	<0.05
Dichloropropene,1,3-cis-	365473	0.05	ug/g		<0.05	<0.05	<0.05
Dichloropropene,1,3-trans-	365473	0.05	ug/g		<0.05	<0.05	<0.05
Ethylbenzene	365473	0.05	ug/g	STD 19	<0.05	<0.05	<0.05
Ethylene dibromide	365473	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05
Hexane (n)	365473	0.05	ug/g	STD 88	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	365455	0.50	ug/g	STD 88	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	365455	0.50	ug/g	STD 210	<0.50	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	365455	0.05	ug/g	STD 3.2	<0.05	<0.05	<0.05
Methylene Chloride	365473	0.05	ug/g	STD 2	<0.05	<0.05	<0.05
Styrene	365473	0.05	ug/g	STD 43	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	365473	0.05	ug/g	STD 0.11	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2,2-	365473	0.05	ug/g	STD 0.094	<0.05	<0.05	<0.05
Tetrachloroethylene	365473	0.05	ug/g	STD 21	<0.05	<0.05	<0.05
Toluene	365473	0.20	ug/g	STD 78	<0.20	<0.20	<0.20
Trichloroethane, 1,1,1-	365473	0.05	ug/g	STD 12	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	365473	0.05	ug/g	STD 0.11	<0.05	<0.05	<0.05
Trichloroethylene	365473	0.05	ug/g	STD 0.61	<0.05	<0.05	<0.05

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Guideline = O.Reg 153-T3-Ind/Com-Med/Fine

Volatiles

Lab I.D.	1424902	1424903	1424904
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2019-05-03	2019-05-03	2019-05-03
Sampling Time			
Sample I.D.	BHMW2A SS7	BHMW3A SS6	BH4A SS5

Analyte	Batch No	MRL	Units	Guideline			
Trichlorofluoromethane	365473	0.05	ug/g	STD 5.8	<0.05	<0.05	<0.05
Vinyl Chloride	365473	0.02	ug/g	STD 0.25	<0.02	<0.02	<0.02
Xylene Mixture	365477	0.05	ug/g	STD 30	<0.05	<0.05	<0.05
Xylene, m/p-	365473	0.05	ug/g		<0.05	<0.05	<0.05
Xylene, o-	365473	0.05	ug/g		<0.05	<0.05	<0.05

Moisture

Lab I.D.	1424902	1424903	1424904
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2019-05-03	2019-05-03	2019-05-03
Sampling Time			
Sample I.D.	BHMW2A SS7	BHMW3A SS6	BH4A SS5

Analyte	Batch No	MRL	Units	Guideline			
Moisture-Humidite	365470	0.1	%		17.6	2.7	3.9

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Guideline = O.Reg 153-T3-Ind/Com-Med/Fine

PHC Surrogate

Lab I.D.
 Sample Matrix
 Sample Type
 Sample Date
 Sampling Time
 Sample I.D.
 Guideline

Lab I.D.	1424902	1424903	1424904
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2019-05-03	2019-05-03	2019-05-03
Sampling Time			
Sample I.D.	BHMW2A SS7	BHMW3A SS6	BH4A SS5

Analyte Batch No MRL Units Guideline

Alpha-androstrane	365470	0	%		91	82	82
-------------------	--------	---	---	--	----	----	----

VOCs Surrogates

Lab I.D.
 Sample Matrix
 Sample Type
 Sample Date
 Sampling Time
 Sample I.D.
 Guideline

Lab I.D.	1424902	1424903	1424904
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2019-05-03	2019-05-03	2019-05-03
Sampling Time			
Sample I.D.	BHMW2A SS7	BHMW3A SS6	BH4A SS5

Analyte Batch No MRL Units Guideline

1,2-dichloroethane-d4	365455	0	%		99	94	100
4-bromofluorobenzene	365455	0	%		122	125	125
Toluene-d8	365455	0	%		101	102	103

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
365455	Acetone	<0.50 ug/g	103	60-130	90	50-140	0	0-50
365455	Methyl Ethyl Ketone	<0.50 ug/g	99	60-130	84	50-140	0	0-50
365455	Methyl Isobutyl Ketone	<0.50 ug/g	95	60-130	100	50-140	0	0-50
365455	Methyl tert-Butyl Ether (MTBE)	<0.05 ug/g	101	60-130	106	50-140	0	0-50
365470	PHC's F2	<10 ug/g	80	80-120	126	60-140	0	0-30
365470	PHC's F3	<20 ug/g	80	80-120	126	60-140	0	0-30
365470	PHC's F4	<20 ug/g	80	80-120	126	60-140	0	0-30
365470	Moisture-Humidite		100	80-120			4	
365473	Tetrachloroethane, 1,1,1,2-	<0.05 ug/g	108	60-130	116	50-140	0	0-50
365473	Trichloroethane, 1,1,1-	<0.05 ug/g	105	60-130	114	50-140	0	0-50
365473	Tetrachloroethane, 1,1,2,2-	<0.05 ug/g	116	60-130	124	50-140	0	0-30
365473	Trichloroethane, 1,1,2-	<0.05 ug/g	104	60-130	109	50-140	0	0-50
365473	Dichloroethane, 1,1-	<0.05 ug/g	100	60-130	103	50-140	0	0-50
365473	Dichloroethylene, 1,1-	<0.05 ug/g	106	60-130	108	50-140	0	0-50
365473	Dichlorobenzene, 1,2-	<0.05 ug/g	117	60-130	115	50-140	0	0-50
365473	Dichloroethane, 1,2-	<0.05 ug/g	99	60-130	124	50-140	0	0-50
365473	Dichloropropane, 1,2-	<0.05 ug/g	95	60-130	118	50-140	0	0-50
365473	Dichlorobenzene, 1,3-	<0.05 ug/g	116	60-130	123	50-140	0	0-50
365473	Dichlorobenzene, 1,4-	<0.05 ug/g	105	60-130	114	50-140	0	0-50
365473	Benzene	<0.02 ug/g	90	60-130	103	50-140	0	0-50
365473	Bromodichloromethane	<0.05 ug/g	101	60-130	123	50-140	0	0-50
365473	Bromoform	<0.05 ug/g	118	60-130	124	50-140	0	0-50
365473	Bromomethane	<0.05 ug/g	77	60-130	54	50-140	0	0-50
365473	Dichloroethylene, 1,2-cis-	<0.05 ug/g	103	60-130	119	50-140	0	0-50
365473	Dichloropropene, 1,3-cis-	<0.05 ug/g	108	60-130	118	50-140	0	0-50
365473	Carbon Tetrachloride	<0.05 ug/g	109	60-130	112	50-140	0	0-50
365473	Chloroform	<0.05 ug/g	104	60-130	120	50-140	0	0-50
365473	Dibromochloromethane	<0.05 ug/g	101	60-130	108	50-140	0	0-50
365473	Dichlorodifluoromethane	<0.05 ug/g	92	60-130	95	50-140	0	0-50
365473	Methylene Chloride	<0.05 ug/g	87	60-130	75	50-140	0	0-50
365473	Ethylbenzene	<0.05 ug/g	104	60-130	119	50-140	0	0-50
365473	Ethylene dibromide	<0.05 ug/g	102	60-130		50-140		0-50
365473	Hexane (n)	0.16 ug/g	111	60-130	113	50-140	0	0-50

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
365473	Xylene, m/p-	<0.05 ug/g	114	60-130	115	50-140	0	0-50
365473	Chlorobenzene	<0.05 ug/g	95	60-130	122	50-140	0	0-50
365473	Xylene, o-	<0.05 ug/g	114	60-130	118	50-140	0	0-50
365473	Styrene	<0.05 ug/g	98	60-130	103	50-140	0	0-50
365473	Dichloroethylene, 1,2-trans-	<0.05 ug/g	105	60-130	108	50-140	0	0-50
365473	Dichloropropene, 1,3-trans-	<0.05 ug/g	103	60-130	125	50-140	0	0-50
365473	Tetrachloroethylene	<0.05 ug/g	103	60-130	113	50-140	0	0-50
365473	Toluene	<0.20 ug/g	99	60-130	118	50-140	0	0-50
365473	Trichloroethylene	<0.05 ug/g	107	60-130	121	50-140	0	0-50
365473	Trichlorofluoromethane	<0.05 ug/g	114	60-130	94	50-140	0	0-50
365473	Vinyl Chloride	<0.02 ug/g	105	60-130	118	50-140	0	0-50
365476	Dichloropropene, 1,3-							
365476	PHC's F1	<10 ug/g	99	80-120	95	60-140	0	0-30
365477	Xylene Mixture							
365478	PHC's F1-BTEX							

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
365455	Acetone	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365455	Methyl Ethyl Ketone	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365455	Methyl Isobutyl Ketone	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365455	Methyl tert-Butyl Ether (MTBE)	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365470	PHC's F2	GC/FID	2019-05-13	2019-05-14	C_M	CCME
365470	PHC's F3	GC/FID	2019-05-13	2019-05-14	C_M	CCME
365470	PHC's F4	GC/FID	2019-05-13	2019-05-14	C_M	CCME
365470	Moisture-Humidite	Oven	2019-05-13	2019-05-14	C_M	ASTM 2216
365473	Tetrachloroethane, 1,1,1,2-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Trichloroethane, 1,1,1-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Tetrachloroethane, 1,1,2,2-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Trichloroethane, 1,1,2-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloroethane, 1,1-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloroethylene, 1,1-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichlorobenzene, 1,2-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloroethane, 1,2-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloropropane, 1,2-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichlorobenzene, 1,3-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichlorobenzene, 1,4-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Benzene	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Bromodichloromethane	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Bromoform	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Bromomethane	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloroethylene, 1,2-cis-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloropropene, 1,3-cis-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Carbon Tetrachloride	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Chloroform	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dibromochloromethane	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichlorodifluoromethane	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Methylene Chloride	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Ethylbenzene	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Ethylene dibromide	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Hexane (n)	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
365473	Xylene, m/p-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Chlorobenzene	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Xylene, o-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Styrene	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloroethylene, 1,2-trans-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Dichloropropene, 1,3-trans-	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Tetrachloroethylene	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Toluene	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Trichloroethylene	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Trichlorofluoromethane	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365473	Vinyl Chloride	GC-MS	2019-05-07	2019-05-10	TJB	V 8260B
365476	Dichloropropene, 1,3-	GC-MS	2019-05-14	2019-05-14	TJB	V 8260B
365476	PHC's F1	GC/FID	2019-05-14	2019-05-14	TJB	CCME
365477	Xylene Mixture	GC-MS	2019-05-14	2019-05-14	TJB	V 8260B
365478	PHC's F1-BTEX	GC/FID	2019-05-14	2019-05-14	TJB	CCME

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1906910
 Date Submitted: 2019-05-07
 Date Reported: 2019-05-14
 Project: 606916
 COC #: 838011

Petroleum Hydrocarbons - CCME Checklist

Samples were analysed by Eurofins Ottawa Method AMCCME2, "Petroleum Hydrocarbons in Water and Soil, CCME/TPH", "Petroleum Hydrocarbons in Water and Soil, CCME/TPH". These methods comply with the reference method for the CCME CWS PHC and are validated for use in the laboratory. Eurofins Ottawa is accredited by CALA (ISO 17025) for all CCME F1-F4 fractions as listed in this report. Eurofins Mississauga is accredited by SCC (ISO 17025) for all CCME F1-F4 fractions as listed in this report. Data for QC samples (blank, duplicate, spike) are available on request

Holding/Analysis Times	Yes/No	If NO, then reasons
All fractions analyzed within recommended hold times/analysis times?	Yes	
F1		
nC6 and nC10 response factors within 30% of toluene	Yes	
BTEX was subtracted from F1 fraction	Yes	
If YES, was F1-BTEX (C6-C10) reported	Yes	
F2		
nC10, nC16 and nC34 response factors within 10% of their average (F2-F4)	Yes	
Linearity within 15% (F2-F4)	Yes	
Napthalene was subtracted from F2 fraction		Napthalene (PAH) not requested/analysed
If YES was F2-Napthalene reported		
F3		
PAH (selected compounds) subtracted from F3 fraction		PAH not requested/analysed
If YES was F3-PAH reported		
F4		
C50 response factor within 70% of nC10+nC16+nC34 average	Yes	
Chromatogram descended to baseline by retention time of C50	Yes	
if NO was F4 (C34-C50) gravimetric reported		

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

CLIENT INFORMATION		INVOICE INFORMATION (SAME AS CLIENT INFORMATION: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>)	
Company:	Safetech Environmental Ltd.	Company:	
Contact:	Derrick Trim	Contact:	Carolyn Cay
Address:	3045 Southcreek Road, Mississauga, ON	Address:	
Telephone:	416 200 8218	Telephone:	
Email:	#1: dtrim@safetechenv.com	Email:	#1: ccay@safetechenv.com
Project:	606918	PO #:	

REGULATION/GUIDELINE REQUIRED	TURN-AROUND TIME
<input type="checkbox"/> Sanitary Sewer, City: _____ <input type="checkbox"/> Storm Sewer, City: _____ <input checked="" type="checkbox"/> O. Reg 153, Table: 3, Type: Commercial/Industrial <input type="checkbox"/> Excess Soil, Table: _____, Type: _____	<input type="checkbox"/> 1 Day* (100%) <input type="checkbox"/> 2 Day** (50%) <input type="checkbox"/> 3-5 Days (25%) <input checked="" type="checkbox"/> 5-7 Days (Standard) Please contact the laboratory in advance to determine rush availability. Surcharges may apply to rush service. *If the results are reported the day after the rush due date, the following surcharges will apply: before 12:00 - 100%, after 12:00 - 50%. **If the results are reported the day after the rush due date, the following surcharges will apply: before 12:00 - 50%, after 12:00 - 25%.

Sample ID	Date/Time Collected	Sample Details			Sample Analysis Required							Field Parameters			RN# (Lab Use Only)	
		Sample Matrix	Resample? Y = Yes N = No	# of Containers	Metals and Inorganics	Metals (ex. Hg, B, CrVI)	BTEX	VOC	PHC F1-F4							
BH/MW2A SS7	05/03/19	Soil	N	3				✓	✓							1424902
BH/MW3A SS6	05/03/19	Soil	N	3				✓	✓							1424903
BH4A SS5	05/03/19	Soil	N	3				✓	✓							1424904

PRINT	SIGN	DATE/TIME	TEMP (°C)	COMMENTS:
Sampled By: Derrick Trim	<i>Derrick Trim</i>	05/03/19		RECORD OF SITE CONDITION
Relinquished By:				<i>May 8 2017 16°</i>
Received By: <i>Laura Adams</i>	<i>Laura Adams</i>	05/09/19 1:53 PM	11.3	CUSTODY SEAL: YES <input type="checkbox"/> NO <input type="checkbox"/>

APPENDIX C
CERTIFICATE OF ANALYSIS – GROUNDWATER

Client: Safetech Environmental Limited
14 - 3045 Southcreek Rd.
Mississauga, ON
L4X 2X7
Attention: Mr. Derrick Trim
Invoice to: Safetech Environmental Limited
PO#:

Report Number: 1907789
Date Submitted: 2019-05-17
Date Reported: 2019-05-29
Project: 606918/607018
COC #: 203176
Temperature (C): 15
Custody Seal:

Page 1 of 10

Dear Derrick Trim:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

Rebecca Koshy, Project Manager

All analysis is completed at Eurofins Environment Testing Canada Inc. (Ottawa, Ontario) unless otherwise stated

Eurofins Environment Testing Canada Inc. is accredited by CALA, Canadian Association for Laboratory Accreditation to ISO/IEC 17025 for tests which appear on the scope of accreditation. The scope is available at <http://www.cala.ca/scopes/2602.pdf>

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only. Guideline or regulatory limits listed on this report are provided for ease of use (informational purposes) only. Eurofins recommends consulting the official guideline or regulation as required. Unless otherwise stated, measurement uncertainty is not taken into account when determining guideline or regulatory exceedances.

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

O.Reg 153-T2-Groundwater-Coarse

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria
Hydrocarbons				
BH/MW1	Petroleum Hydrocarbons F3	710	ug/L	STD 500
BH/MW1A	Petroleum Hydrocarbons F3	2990	ug/L	STD 500
BH/MW1A	Petroleum Hydrocarbons F4	3900	ug/L	STD 500
MW8	Petroleum Hydrocarbons F3	4120	ug/L	STD 500
MW8	Petroleum Hydrocarbons F4	6930	ug/L	STD 500
Volatiles				
BH/MW1	Chloroform	5.0	ug/L	STD 2.4
BH/MW1A	Chloroform	3.6	ug/L	STD 2.4

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Guideline = O.Reg 153-T2-Groundwater-Coarse

Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1427166 GW153	1427167 GW153	1427168 GW153	2019-05-16	2019-05-16	2019-05-16
PHC's F1	366251	20	ug/L	STD 750	<20	<20	<20			
PHC's F1-BTEX	366253	20	ug/L		<20	<20	<20			
PHC's F2	366160	20	ug/L	STD 150	<20	<20	<20			
PHC's F3	366160	50	ug/L	STD 500	710*	2990*	4120*			
PHC's F4	366160	50	ug/L	STD 500	440	3900*	6930*			

Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
					1427166 GW153	1427167 GW153	1427168 GW153	2019-05-16	2019-05-16	2019-05-16
Acetone	366442	30	ug/L	STD 2700	<30	<30	<30			
Benzene	366251	0.5	ug/L	STD 5	<0.5	<0.5	<0.5			
Bromodichloromethane	366251	0.3	ug/L	STD 16	3.7	2.1	<0.3			
Bromoform	366251	0.4	ug/L	STD 25	<0.4	<0.4	<0.4			
Bromomethane	366251	0.5	ug/L	STD 0.89	<0.5	<0.5	<0.5			
Carbon Tetrachloride	366251	0.2	ug/L	STD 0.79	<0.2	<0.2	<0.2			
Chlorobenzene	366251	0.5	ug/L	STD 30	<0.5	<0.5	<0.5			
Chloroform	366251	0.5	ug/L	STD 2.4	5.0*	3.6*	<0.5			
Dibromochloromethane	366251	0.3	ug/L	STD 25	2.3	1.1	<0.3			
Dichlorobenzene, 1,2-	366251	0.4	ug/L	STD 3	<0.4	<0.4	<0.4			
Dichlorobenzene, 1,3-	366251	0.4	ug/L	STD 59	<0.4	<0.4	<0.4			
Dichlorobenzene, 1,4-	366251	0.4	ug/L	STD 1	<0.4	<0.4	<0.4			
Dichlorodifluoromethane	366251	0.5	ug/L	STD 590	<0.5	<0.5	<0.5			

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Guideline = O.Reg 153-T2-Groundwater-Coarse

Volatiles

Lab I.D.	1427166	1427167	1427168
Sample Matrix	GW153	GW153	GW153
Sample Type			
Sample Date	2019-05-16	2019-05-16	2019-05-16
Sampling Time			
Sample I.D.	BH/MW1	BH/MW1A	MW8

Analyte	Batch No	MRL	Units	Guideline	BH/MW1	BH/MW1A	MW8
Dichloroethane, 1,1-	366251	0.4	ug/L	STD 5	<0.4	<0.4	<0.4
Dichloroethane, 1,2-	366251	0.2	ug/L	STD 1.6	<0.2	<0.2	<0.2
Dichloroethylene, 1,1-	366251	0.5	ug/L	STD 1.6	<0.5	<0.5	<0.5
Dichloroethylene, 1,2-cis-	366251	0.4	ug/L	STD 1.6	<0.4	<0.4	<0.4
Dichloroethylene, 1,2-trans-	366251	0.4	ug/L	STD 1.6	<0.4	<0.4	<0.4
Dichloropropane, 1,2-	366251	0.5	ug/L	STD 5	<0.5	<0.5	<0.5
Dichloropropene,1,3-	366442	0.3	ug/L	STD 0.5	<0.3	<0.3	<0.3
Dichloropropene,1,3-cis-	366251	0.2	ug/L		<0.2	<0.2	<0.2
Dichloropropene,1,3-trans-	366251	0.2	ug/L		<0.2	<0.2	<0.2
Ethylbenzene	366251	0.5	ug/L	STD 2.4	<0.5	<0.5	<0.5
Ethylene dibromide	366251	0.2	ug/L	STD 0.2	<0.2	<0.2	<0.2
Hexane (n)	366251	5	ug/L	STD 51	<5	<5	<5
Methyl Ethyl Ketone	366442	10	ug/L	STD 1800	<10	<10	<10
Methyl Isobutyl Ketone	366442	10	ug/L	STD 640	<10	<10	<10
Methyl tert-Butyl Ether (MTBE)	366442	2	ug/L	STD 15	<2	<2	<2
Methylene Chloride	366251	4.0	ug/L	STD 50	<4.0	<4.0	<4.0
Styrene	366251	0.5	ug/L	STD 5.4	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,1,2-	366251	0.5	ug/L	STD 1.1	<0.5	<0.5	<0.5
Tetrachloroethane, 1,1,1,2,2-	366251	0.5	ug/L	STD 1	<0.5	<0.5	<0.5
Tetrachloroethylene	366251	0.3	ug/L	STD 1.6	<0.3	<0.3	<0.3
Toluene	366251	0.5	ug/L	STD 24	0.6	1.2	<0.5
Trichloroethane, 1,1,1-	366251	0.4	ug/L	STD 200	0.9	<0.4	<0.4
Trichloroethane, 1,1,2-	366251	0.4	ug/L	STD 4.7	<0.4	<0.4	<0.4
Trichloroethylene	366251	0.3	ug/L	STD 1.6	<0.3	<0.3	<0.3

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Guideline = O.Reg 153-T2-Groundwater-Coarse

Volatiles

Lab I.D.
 Sample Matrix
 Sample Type
 Sample Date
 Sampling Time
 Sample I.D.

1427166 GW153	1427167 GW153	1427168 GW153
2019-05-16	2019-05-16	2019-05-16
BH/MW1	BH/MW1A	MW8

Analyte	Batch No	MRL	Units	Guideline
---------	----------	-----	-------	-----------

Trichlorofluoromethane	366251	0.5	ug/L	STD 150	<0.5	<0.5	<0.5
Vinyl Chloride	366251	0.2	ug/L	STD 0.5	<0.2	<0.2	<0.2
Xylene Mixture	366252	0.5	ug/L	STD 300	<0.5	<0.5	<0.5
Xylene, m/p-	366251	0.4	ug/L		<0.4	<0.4	<0.4
Xylene, o-	366251	0.4	ug/L		<0.4	<0.4	<0.4

PHC Surrogate

Lab I.D.
 Sample Matrix
 Sample Type
 Sample Date
 Sampling Time
 Sample I.D.

1427166 GW153	1427167 GW153	1427168 GW153
2019-05-16	2019-05-16	2019-05-16
BH/MW1	BH/MW1A	MW8

Analyte	Batch No	MRL	Units	Guideline
---------	----------	-----	-------	-----------

Alpha-androstrane	366160	0	%		117	109	113
-------------------	--------	---	---	--	-----	-----	-----

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Guideline = O.Reg 153-T2-Groundwater-Coarse

VOCs Surrogates

Lab I.D.	1427166	1427167	1427168
Sample Matrix	GW153	GW153	GW153
Sample Type			
Sample Date	2019-05-16	2019-05-16	2019-05-16
Sampling Time			
Sample I.D.	BH/MW1	BH/MW1A	MW8

Analyte	Batch No	MRL	Units	Guideline			
1,2-dichloroethane-d4	366251	0	%		109	106	114
4-bromofluorobenzene	366251	0	%		123	118	113
Toluene-d8	366251	0	%		102	105	102

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
366160	PHC's F2	<20 ug/L	100	60-140		60-140		0-30
366160	PHC's F3	<50 ug/L	100	60-140		60-140		0-30
366160	PHC's F4	<50 ug/L	100	60-140		60-140		0-30
366251	Tetrachloroethane, 1,1,1,2-	<0.5 ug/L	103	60-130	87	50-140	0	0-30
366251	Trichloroethane, 1,1,1-	<0.4 ug/L	94	60-130	83	50-140	0	0-30
366251	Tetrachloroethane, 1,1,2,2-	<0.5 ug/L	114	60-130	101	50-140	0	0-30
366251	Trichloroethane, 1,1,2-	<0.4 ug/L	104	60-130	86	50-140	0	0-30
366251	Dichloroethane, 1,1-	<0.4 ug/L	93	60-130	80	50-140	0	0-30
366251	Dichloroethylene, 1,1-	<0.5 ug/L	94	60-130	81	50-140	0	0-30
366251	Dichlorobenzene, 1,2-	<0.4 ug/L	111	60-130	106	50-140	0	0-30
366251	Dichloroethane, 1,2-	<0.2 ug/L	105	60-130	93	50-140	0	0-30
366251	Dichloropropane, 1,2-	<0.5 ug/L	103	60-130	88	50-140	0	0-30
366251	Dichlorobenzene, 1,3-	<0.4 ug/L	94	60-130	89	50-140	0	0-30
366251	Dichlorobenzene, 1,4-	<0.4 ug/L	95	60-130	90	50-140	0	0-30
366251	Benzene	<0.5 ug/L	98	60-130	84	50-140	0	0-30
366251	Bromodichloromethane	<0.3 ug/L	100	60-130	84	50-140	0	0-30
366251	Bromoform	<0.4 ug/L	101	60-130	84	50-140	0	0-30
366251	Bromomethane	<0.5 ug/L	71	60-130	69	50-140	0	0-30
366251	Dichloroethylene, 1,2-cis-	<0.4 ug/L	99	60-130	85	50-140	0	0-30
366251	Dichloropropene, 1,3-cis-	<0.2 ug/L	90	60-130	77	50-140	0	0-30
366251	Carbon Tetrachloride	<0.2 ug/L	97	60-130	92	50-140	0	0-30
366251	Chloroform	<0.5 ug/L	96	60-130	82	50-140	0	0-30
366251	Dibromochloromethane	<0.3 ug/L	99	60-130	83	50-140	0	0-30
366251	Dichlorodifluoromethane	<0.5 ug/L	105	60-130	123	50-140	0	0-30
366251	Methylene Chloride	<4.0 ug/L	114	60-130	89	50-140	0	0-30
366251	Ethylbenzene	<0.5 ug/L	100	60-130	86	50-140	0	0-30
366251	Ethylene dibromide	<0.2 ug/L	104	60-130		50-140		0-30
366251	PHC's F1	<20 ug/L	99	60-140	120	60-140	0	0-30
366251	Hexane (n)	<5 ug/L	90	60-130	79	50-140	0	0-30
366251	Xylene, m/p-	<0.4 ug/L	103	60-130	90	50-140	0	0-30
366251	Chlorobenzene	<0.5 ug/L	95	60-130	84	50-140	0	0-30
366251	Xylene, o-	<0.4 ug/L	100	60-130	88	50-140	0	0-30
366251	Styrene	<0.5 ug/L	94	60-130	81	50-140	0	0-30

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
366251	Dichloroethylene, 1,2-trans-	<0.4 ug/L	95	60-130	81	50-140	0	0-30
366251	Dichloropropene, 1,3-trans-	<0.2 ug/L	89	60-130	77	50-140	0	0-30
366251	Tetrachloroethylene	<0.3 ug/L	90	60-130	79	50-140	0	0-30
366251	Toluene	<0.5 ug/L	97	60-130	85	50-140	0	0-30
366251	Trichloroethylene	<0.3 ug/L	96	60-130	85	50-140	0	0-30
366251	Trichlorofluoromethane	<0.5 ug/L	95	60-130	83	50-140	0	0-30
366251	Vinyl Chloride	<0.2 ug/L	95	60-130	88	50-140	0	0-30
366252	Xylene Mixture							
366253	PHC's F1-BTEX							
366442	Dichloropropene, 1,3-							
366442	Acetone	<30 ug/L		60-130	101	50-140	0	0-30
366442	Methyl Ethyl Ketone	<10 ug/L	100	60-130	115	50-140	0	0-30
366442	Methyl Isobutyl Ketone	<10 ug/L		60-130	92	50-140	0	0-30
366442	Methyl tert-Butyl Ether (MTBE)	<2 ug/L	80	60-130	80	50-140	0	0-30

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
366160	PHC's F2	GC/FID	2019-05-23	2019-05-24	C_M	CCME O.Reg 153/04
366160	PHC's F3	GC/FID	2019-05-23	2019-05-24	C_M	CCME O.Reg 153/04
366160	PHC's F4	GC/FID	2019-05-23	2019-05-24	C_M	CCME O.Reg 153/04
366251	Tetrachloroethane, 1,1,1,2-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Trichloroethane, 1,1,1-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Tetrachloroethane, 1,1,2,2-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Trichloroethane, 1,1,2-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichloroethane, 1,1-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichloroethylene, 1,1-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichlorobenzene, 1,2-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichloroethane, 1,2-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichloropropane, 1,2-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichlorobenzene, 1,3-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichlorobenzene, 1,4-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Benzene	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Bromodichloromethane	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Bromoform	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Bromomethane	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichloroethylene, 1,2-cis-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichloropropene, 1,3-cis-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Carbon Tetrachloride	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Chloroform	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dibromochloromethane	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichlorodifluoromethane	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Methylene Chloride	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Ethylbenzene	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Ethylene dibromide	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	PHC's F1	GC/FID	2019-05-27	2019-05-27	TJB	CCME O.Reg 153/04
366251	Hexane (n)	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Xylene, m/p-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Chlorobenzene	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Xylene, o-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Styrene	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

Environment Testing

Client: Safetech Environmental Limited
 14 - 3045 Southcreek Rd.
 Mississauga, ON
 L4X 2X7
 Attention: Mr. Derrick Trim
 PO#:
 Invoice to: Safetech Environmental Limited

Report Number: 1907789
 Date Submitted: 2019-05-17
 Date Reported: 2019-05-29
 Project: 606918/607018
 COC #: 203176

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
366251	Dichloroethylene, 1,2-trans-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Dichloropropene,1,3-trans-	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Tetrachloroethylene	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Toluene	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Trichloroethylene	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Trichlorofluoromethane	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366251	Vinyl Chloride	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366252	Xylene Mixture	GC-MS	2019-05-27	2019-05-27	TJB	EPA 8260
366253	PHC's F1-BTEX	GC/FID	2019-05-27	2019-05-27	TJB	CCME O.Reg 153/04
366442	Dichloropropene,1,3-	GC-MS	2019-05-29	2019-05-29	TJB	EPA 8260
366442	Acetone	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366442	Methyl Ethyl Ketone	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366442	Methyl Isobutyl Ketone	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260
366442	Methyl tert-Butyl Ether (MTBE)	GC-MS	2019-05-21	2019-05-23	TJB	EPA 8260

Results relate only to the parameters tested on the samples submitted.
 Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective, TDR = Typical Desired Range

1907189

CLIENT INFORMATION		INVOICE INFORMATION (SAME AS CLIENT INFORMATION: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>)	
Company:	<i>Safetech Environmental Ltd</i>	Company:	
Contact:	<i>Derrick Tim</i>	Contact:	<i>Carolyn Cay</i>
Address:	<i>3045 Southcreek Road, Mississauga</i>	Address:	
Telephone:	<i>416 200 8218</i>	Telephone:	
Fax:		Fax:	
Email: #1:	<i>dtim@safetechenv.com</i>	Email: #1:	<i>ccay@safetechenv.com</i>
Email: #2:		Email: #2:	
Project:	<i>606918 / 607018</i>	PO #:	
		Quote #:	

REGULATION/GUIDELINE REQUIRED	TURN-AROUND TIME
<input type="checkbox"/> Sanitary Sewer, City: _____ <input type="checkbox"/> Storm Sewer, City: _____ <input checked="" type="checkbox"/> O. Reg 153, Table: <i>2</i> , Type: <i>Industrial/Commercial</i> <input type="checkbox"/> Excess Soil, Table: _____, Type: _____	<input type="checkbox"/> 1 Day* (100%) <input type="checkbox"/> 2 Day** (50%) <input type="checkbox"/> 3-5 Days (25%) <input checked="" type="checkbox"/> 5-7 Days (Standard) Please contact the laboratory in advance to determine rush availability. Surcharges may apply to rush service. *If the results are reported the day after the rush due date, the following surcharges will apply: before 12:00 - 100%, after 12:00 - 50%. **If the results are reported the day after the rush due date, the following surcharges will apply: before 12:00 - 50%, after 12:00 - 25%.
<input type="checkbox"/> ODWSOG <input type="checkbox"/> PWQO <input type="checkbox"/> O. Reg 347/558 <input type="checkbox"/> Other: _____	

Sample ID	Date/Time Collected	Sample Details		Sample Analysis Required							Field Parameters		RN# (Lab Use Only)	
		Sample Matrix	Resample? Y = Yes N = No	# of Containers	Metals and Inorganics	Metals (ex. Hg, B, CrVI)	BTEX	VOC	PHC F1-F4					
<i>BH/MWI</i>	<i>05/16/19</i>	<i>GW</i>	<i>N</i>	<i>3</i>				<i>X</i>	<i>X</i>					<i>606918</i>
<i>BH/MWIA</i>	<i>05/16/19</i>	<i>GW</i>	<i>N</i>	<i>3</i>				<i>X</i>	<i>X</i>					<i>607018</i>
<i>MWG</i>	<i>05/16/19</i>	<i>GW</i>	<i>N</i>	<i>3</i>				<i>X</i>	<i>X</i>					<i>606918</i>

15° U 21/05/19

PRINT	SIGN	DATE/TIME	TEMP (°C)	COMMENTS:
Sampled By: <i>Derrick Tim</i>	<i>Derrick Tim</i>	<i>05/17/19</i>		
Relinquished By:				
Received By:				CUSTODY SEAL: YES <input type="checkbox"/> NO <input type="checkbox"/>