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12824 and 12892 Dixie Road, Caledon

Final

Phase II Environmental Site Assessment

Project Location:

12824 and 12892 Dixie Road, Caledon, ON

Prepared for:

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December 18, 2020

MTE File No.: 48043-100

Engineers, Scientists, Surveyors.

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Executive Summary

MTE Consultants Inc. (MTE) was retained by Tribal Partners to conduct a Phase II Environmental Site Assessment (ESA) for the property located at municipal addresses 12824 and 12892 Dixie Road in Caledon, Ontario (together the "Site"). The Phase II ESA was completed for due diligence purposes in advance of a potential property transaction, and not to support the filing of an Ontario Ministry of the Environment, Conservation and Parks (MECP) Record of Site Condition (RSC) under Ontario Regulation (O.Reg.) 153/04. Tribal Partners is considering purchase of the Site for redevelopment for industrial use.

Site Description

The Site is approximately 80 hectares (200 acres) in area and is located on the west side of Dixie Road and the south side of Old School Road in an agricultural area of Caledon. The Site is an active farming property. Structures and features at 12892 Dixie Road include a farmhouse, a barn, various sheds for the storage of cars, farm machinery and hay, grain silos and bins, and current and former manure storage structures. Vehicle access to the Site was via gravel and paved driveways from Dixie Road. Other features on the Site include three watercourses, a pond, and a wooded lot. The remainder of the Site is occupied by agricultural fields. An additional residential dwelling is located on the 12824 Dixie Road portion of the Site and is currently occupied by tenants.

Scope or Work

The scope of work for the Phase II ESA was developed based on the results of a previous Phase I ESA (MTE, 2020), which identified potential environmental concerns on the Site as a result of historical fill placement, the use of two fire pits, the potential use and storage of agricultural chemicals (e.g., pesticides), the use of aboveground fuel storage tanks (ASTs), the potential for equipment or vehicle repairs and chemical storage in the shed buildings, and uncertainty around the former use of a concrete slab with two cut-off steel pipes.

The Phase II ESA included the collection and analysis of surface soil samples, and soil samples collected from boreholes advanced across the Site and in the areas of potential concern. Groundwater samples were collected from three monitoring wells to evaluate general groundwater quality. Soil samples were collected and submitted for analysis of one or more of metals, hydride-forming metals (As, Sb, Se), pH, organochlorine pesticides (OCs), polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons (PHCs) and benzene, toluene, ethylbenzene and xylenes (BTEX). Groundwater samples were collected and submitted for analysis of metals, As, Sb, Se, OCs, PHCs and BTEX.

The analytical results were compared to the Ministry of Environment, Conservation and Parks (MECP) 2011 Table 1 Full Depth Background Site Condition Standards (2011 Table 1 SCSs) as a result of areas of the Site being designated in the Region of Peel Official Plan as "Core Areas of the Greenlands System", by the Ministry of Natural Resources and Forestry (MNRF) as "Woodland and Natural Heritage System" and other regulated wetland areas ("Areas of Natural Significance"). The analytical results were also compared to the 2011 Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for industrial/commercial/community property use and fine textured soils (2011 Table 2 ICC SCSs), which could be applicable for due diligence purposes in areas of the Site that are greater than 30m from these Areas of Natural Significance.

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Soil Sampling and Analysis Results

The subsurface stratigraphy on the Site generally consisted of top soil and/or fill materials (up to 1.5m) over native clayey silt till with a sand/silty sand seam. Bedrock was not encountered to the maximum drilling depth of 12.0m.

The soil analytical results were below the 2011 Table 1 SCSs with the exception of F2 PHCs in one surface soil sample, SS2-20 (0-0.3m), collected from below the exterior fill pipe associated with the basement AST at the residential dwelling at 12824 Dixie Road.

The soil analytical results were below the 2011 Table 2 ICC SCSs for all of the analyzed parameters, including PHCs.

Groundwater Sampling and Analysis Results

The measured depth to groundwater in the three sampled monitoring wells was between 5.58m and 8.59m below ground surface and the water table occurs in the native clayey silt till. The shallow groundwater flow direction was inferred to be southeasterly.

The groundwater analytical results were below the 2011 Table 1 SCSs and the 2011 Table 2 ICC SCSs for all of the analyzed parameters.

Conclusions

The concentration of F2 PHCs was above the 2011 Table 1 SCS in one surface soil sample (SS2-20) collected adjacent to the residential dwelling AST fill pipe at 12824 Dixie Road. This sample is interpreted to be within 30m of one of the Areas of Natural Significance.

The concentration of F2 PHCs at SS2-20 met the 2011 Table 2 ICC SCSs and this soil may be chemically suitable for relocation to other future industrial use areas of Site, greater than 30m from the Areas of Natural Significance. Alternatively, soil in this area may be suitable for re-use on another property where the 2011 Table 2 ICC SCSs or less stringent SCSs are applicable, or transported off-Site for disposal to an MECP-approved facility. Additional sampling would be recommended to evaluate appropriate soil relocation alternatives.

It is also recommended that any ash or other waste materials within the two fire pits be removed and transported off-Site for disposal prior to property redevelopment as these materials likely contain elevated levels of products of combustion such as PAHs and/or metals.

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1.0 Introduction

1.1 Background

MTE Consultants Inc. (MTE) was retained by Tribal Partners to conduct a Phase II Environmental Site Assessment (ESA) for the property located at municipal addresses 12824 and 12892 Dixie Road in Caledon, Ontario (together the "Site"). The Site location is illustrated on **Figure 1**.

The purpose of the Phase II ESA was to further assess potential environmental concerns identified in a previous Phase I ESA (MTE, 2020) of the Site. The Phase II ESA was completed for due diligence purposes in advance of a potential property transaction and not to support the filing of an Ontario Ministry of Environment, Conservation and Parks (MECP) Record of Site Condition (RSC) under Ontario Regulation (O.Reg.) 153/04. MTE understands that Tribal Partners is considering purchase of the Site for redevelopment as industrial use.

Authorization to proceed with the Phase II ESA was received from Mr. Lance Trumble of Tribal Partners following acceptance of MTE's proposal for services dated October 7, 2020. The assignment was completed by MTE under Reference Number 48043-100.

The Phase II ESA report is organized into the following sections:

- Section 1.0 - Introduction;
- Section 2.0 - Phase II ESA Investigation Methodology;
- Section 3.0 - Phase II ESA Results;
- Section 4.0 - Summary and Conclusions; and
- Section 5.0 to 7.0 - Limitations, References and Assessor Qualifications.

Analytical data summary tables, report figures and appendices follow the text portion of the report.

It is noted that the Ontario Ministry of the Environment, Conservation and Parks (MECP) was previously named the Ontario Ministry of the Environment (MOE), the Ministry of Environment and Energy (MOEE) and the Ontario Ministry of the Environment and Climate Change (MOECC). For ease of discussion in this report, "MECP" is used to represent this provincial ministry and is inclusive of MOE, MOEE and MOECC.

For ease of discussion, all directions in this Phase II ESA report are in reference to project north as depicted on **Figure 2**.

1.2 General Site Description and History

The Site is approximately 80 hectares (200 acres) in area and is located on the west side of Dixie Road and the south side of Old School Road in an agricultural area of Caledon. The Site is an active farming property. Structures and features at 12892 Dixie Road include a farmhouse, a barn, various sheds for the storage of cars, farm machinery and hay, grain silos and bins, and current and former manure storage structures. Vehicle access to the Site was via gravel and paved driveways from Dixie Road. Other features on the Site include three watercourses, a pond, and a wooded lot. The remainder of the Site is occupied by agricultural fields. An additional residential dwelling is located on the 12824 Dixie Road portion of the Site and is currently occupied by tenants.

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The farmhouse and barn were reported to have been constructed on the Site in the early 1900s. The 12824 Dixie Road residential dwelling was constructed off-site in the 1950s and moved to the Site in the late 1970s to early 1980s. Historically, the Site has been used for growing crops and as a dairy farm.

1.3 Phase I ESA Results

The scope of work was developed based on the results of a Phase I ESA (MTE, 2020) that identified the following potential environmental concerns on the Site:

- The Site interviewee (current farmer) reported that no pesticides, herbicides or fertilizers have been stored on Site during the period of their use (1992-present). When required, these materials were brought to the Site for immediate application to the fields. The Site has been a farm since the early 1900s and there is a potential that agricultural chemicals were historically stored at the Site.
- The farmhouse and the residential dwelling were both reported to have historically been heated using fuel oil fired boilers. A fuel oil above ground storage tank (AST) was previously located in the basement of each building and was reported to have both been removed from the Site. Evidence of former fill and vent pipes were observed at each of these buildings during the Phase I ESA Site visit. It is noted that basements of these buildings were not accessible by MTE during the Phase I ESA Site visit.
- A concrete slab with two cut-off steel pipes of unknown use is located between the hay storage/machinery sheds and the barn. It was reported that the structure and pipes may have historically been used as a bull pen; however, there is some uncertainty as to its use.
- Several shed buildings are located on the Site that have been used for the storage of farm equipment and machinery, including a spray truck. It is not known if equipment or vehicle repairs were conducted, or if equipment or vehicle repair chemicals were historically stored in these shed buildings.
- Two fire pits are located west of the farmhouse. There is a potential that shallow soils localized with the fire pit enclosure contain contaminants such as metals or polycyclic aromatic hydrocarbons (PAHs), which are produced as a by-product of combustion.
- Some fill materials may have been placed adjacent to the barn to provide ramp access to the second storey. The source of the fill is not known.

1.4 Scope of Work

The objective of this Phase II ESA was to assess the potential sources of contamination to the Site through the collection and analysis of soil and groundwater samples. The Phase II ESA was conducted in general accordance with CSA document Z769-00 (R2018) - Phase II Environmental Site Assessments. The scope of work was conducted concurrently with a geotechnical and hydrogeological investigation. The scope of work included the following:

- Preparing a Site Specific Health & Safety Plan;
- Completing utility locates prior to any on-Site work, including retaining a private utility locator;
- Advancing 46 boreholes on the Site to depths of up to 12m below ground surface (bgs), concurrent with geotechnical and hydrogeological investigations;
- Collecting three surface soils at a depth of 0-0.3m bgs;

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- Collecting soil samples from the boreholes and surface soil samples for laboratory analysis of one or more of metals, hydride-forming metals including arsenic (As), antimony (Sb) and selenium (Se), organochlorine pesticides (OCs), polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons (PHCs), and benzene, toluene, ethylbenzene and xylenes (BTEX);
- Completing seven of the boreholes as groundwater monitoring wells;
- Developing and purging three of the monitoring wells and collecting field parameters including pH, electrical conductivity and temperature during purging to determine when adequate purging is achieved;
- Collection and analysis of groundwater samples from three monitoring wells for metals, As, Sb, Se, OCs, PHCs, and BTEX;
- Analysis of quality assurance/quality control (QA/QC) samples including approximately 10% of field duplicates;
- Collecting groundwater levels and elevation data to estimate the groundwater flow direction; and
- Interpreting and documenting the results of the Phase II ESA in this report supported by figures, photographs, and laboratory Certificates of Analysis.

The Phase II ESA report was completed by Ms. Monique Gyba, B.E.S., C.Tech. and Mr. Thomas Jones, P.Eng., QP_{ESA} of MTE. The qualifications of Mr. Jones and Ms. Gyba are included in **Section 7.0.**

The soil and groundwater analyses were completed by Bureau Veritas of Mississauga, Ontario. Bureau Veritas is accredited by the Standards Council of Canada (SCC) in accordance with ISO/IEC 17025:2005 for the analyses completed during this Phase II ESA.

The borehole drilling and monitoring well installation work was completed by Tri-Phase Group (Tri-Phase) of Mississauga, Ontario. Tri-Phase is an MECP-licensed well contractor. Photographs taken at the time of the Phase II ESA are included in **Appendix A**.

1.5 Applicable Site Condition Standards

The analytical results for soil and groundwater samples collected by MTE during this Phase II ESA were compared to the Site Condition Standards (SCSs) in the MECP document *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ministry of the Environment, April 15, 2011*.

The analytical results were compared to the 2011 Table 1 Full Depth Background Site Condition Standards (2011 Table 1 SCSs) as a result of areas of the Site being designated in the Region of Peel Official Plan as “Core Areas of the Greenlands System”, by the Ministry of Natural Resources and Forestry (MNRF) as “Woodland and Natural Heritage System” and by other regulatory agencies such as the Toronto Region Conservation Authority (TRCA) as wetland (“Areas of Natural Significance”).

The analytical results were also compared to the 2011 Table 2 Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for industrial/commercial/community property use and fine textured soils (2011 Table 2 ICC SCSs), which could be applicable for due diligence purposes in areas of the Site that are greater than 30m from these Areas of Natural Significance.

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2.0 Phase II ESA Investigation Methodology

2.1 Borehole Drilling and Surface Soil Sampling

The drilling activities included the advancement of 46 boreholes at the Site between October 19 and October 29, 2020. The borehole drilling was completed concurrent with an MTE geotechnical investigation and hydrogeological assessment, which are documented in separate reports. In addition, three surface soil samples were collected from various locations at the Site.

The environmental sampling locations are illustrated on **Figure 2** and included the following:

Sampling Location	Rationale
MW101-20, MW103-20 to MW107-20	• Assess general groundwater quality in the vicinity of the agricultural fields where agricultural chemicals (e.g. pesticides) may have been used.
BH108-20 to BH141-20	• Assess general soil quality in the vicinity of the agricultural fields where agricultural chemicals (e.g. pesticides) may have been used and the potential for historical fill placement.
MW102-20	• Assess general groundwater quality in the vicinity of the farming structures where vehicle repairs may have been conducted and agricultural chemicals (e.g. pesticides) may have been stored.
BH201-20 to BH205-20	• Assess general soil quality in the vicinity of the farming structures where vehicle repairs may have been conducted and agricultural chemicals (e.g. pesticides) may have been stored, the uncertainty around the former use of a concrete slab with two cut-off steel pipes, and the potential for historical fill placement.
SS1-20 SS2-20	• Assess surface soil quality below the fill pipes associated with the ASTs at both dwellings on the Site.
SS3-20	• Assess surface soil quality within the vicinity of the two fire pits.

Boreholes were advanced by Tri-Phase using a track-mounted CME75 auger drill rig. Continuous and semi-continuous soil cores were recovered from each borehole location using split spoons and logged by MTE for geological characteristics as well as visual and olfactory evidence of environmental impacts such as staining, odours or the presence of non-soil materials. Sampling equipment (e.g. split spoons) were cleaned between locations using an Alconox and water solution and a tap water rinse to minimize the potential for cross contamination between boreholes. Borehole logs were prepared for each location and are included in **Appendix B**.

2.2 Soil Sampling

Soil samples were collected for field headspace screening and for potential laboratory analysis. Soil samples for BTEX and F1 PHC analyses were collected following USEPA SW-846 Method 5035 (field methanol preservation). This soil sampling procedure included collecting approximately 5 grams of sample from the undisturbed soil core using a Terra Core™ sampling device and placing the sample in a laboratory supplied vial containing 5mL of methanol. Soil samples for other analysis including metals, As, Sb, Se, OCs, PAHs and F2-F4 PHCs were collected directly from the soil core and placed into new laboratory supplied soil jars.

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In addition to the borehole soil sampling, three surface soil samples were collected by MTE using a stainless steel trowel and shovel, which were cleaned between locations using soapy water and a distilled water rinse to minimize the potential for cross contamination between sample locations. New nitrile gloves were worn during the handling of all samples, sampling equipment and sample jars and changed between each sample.

2.3 Field Headspace Screening

A portion of the soil samples selected for field headspace screening were placed into a new zip-top plastic bag for field headspace screening. The organic vapour concentrations in the headspace of each soil sample were measured using an RKI Eagle II field meter. The RKI Eagle II is a combination hydrocarbon detector and a Photo Ionization Detector (PID), providing an indication of both hydrocarbon and VOC vapours. Equipment calibration and maintenance was performed by MTE according to manufacturers' recommendations prior to arriving at the Site and in the field to ensure proper operation.

The procedure for collection of field headspace measurements included waiting approximately 15 minutes for the soil/vapour in the zip-top plastic bag to equilibrate and allow for headspace development, and inserting the Eagle II sampling probe into a small opening in the bag. The maximum meter readings were recorded. The field headspace readings are summarized on the borehole logs in **Appendix B.**

2.4 Monitoring Well Installation and Condition Survey

Seven permanent monitoring wells were installed at borehole locations MW101-20 to MW107-20 by Tri-Phase between October 19, 2020 and October 29, 2020. MTE was present during the monitoring well installations to record and document the well construction details. The monitoring wells were constructed with 0.9m, 1.5m or 3.0m long, 51mm diameter, No. 10 slotted PVC screen. All monitoring well materials were new and were received sealed in a protective plastic wrap from the manufacturer. The riser pipe and screen sections were pre-threaded with O-ring seals. No glues or solvents were used to connect the pipe sections and nitrile gloves were worn during all work with the monitoring wells.

A coarse grained sand pack was placed around and above the well screens to allow for groundwater collection in the wells. Bentonite (holeplug) was placed immediately above the sand pack to hydraulically isolate the screened portion of the well. The monitoring wells were completed with a monument, steel protective casing, which was cemented in place. MECP Well Records were filed by Tri-Phase in accordance with O. Reg. 903. The monitoring well installation details are summarized in **Table 1**.

2.5 Groundwater Level Measurement

The depth to groundwater was measured in each of the seven new wells using an interface probe on November 9, 2020, November 23, 2020 and December 13, 2020. The water levels were measured by lowering the probe into the well until the tone sounded and recording the depth to water from the highest point on the well riser pipe (the groundwater level measuring reference point). Measurements were recorded to the nearest 0.01m. The probe was cleaned with successive rinses of soapy and distilled water between each well. Groundwater level measurements are summarized in **Table 2**.

2.6 Groundwater Sample Collection

Groundwater samples were collected from three of the wells during this Phase II ESA (MW102-20, MW106-20 and MW107-20). After installation, the monitoring wells were developed to remove stagnant water and fine grain materials that may have been introduced during drilling. Prior to collecting groundwater samples, the monitoring wells were purged to obtain

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groundwater samples representative of the surrounding formation. During purging, field parameter measurements (temperature, pH and conductivity) were recorded after each well each well volume. Groundwater samples were collected after stabilized parameters had been measured and a minimum of three well volumes had been removed. All groundwater samples were placed directly into pre-preserved laboratory supplied bottles. Groundwater samples collected for analysis of metals were field filtered with a single-use 45 micron filter. Well development was completed using dedicated HDPE waterra tubing and a foot valve. Purging and sampling were completed using dedicated LDPE tubing and a peristaltic pump (MW102-20) and a bladder pump (MW106-20 and MW107-20).

2.7 Sample Storage Handling and Custody

Soil and groundwater samples were labelled, given a unique sample identifier and placed in a sealed cooler with ice for transportation to Bureau Veritas. The samples were transported directly to the laboratory by MTE and accompanied by a Chain of Custody form.

2.8 Quality Control/Quality Assurance

A QA/QC program was implemented during this Phase II ESA to demonstrate that the data collected was representative of the Site conditions and suitable to meet the sampling program objectives. The QA/QC program included field QA/QC procedures and laboratory QA/QC procedures.

Field QA procedures included:

- Adherence to MTE's standard operating procedures (SOPs), which meet industry standards and MECP guidance for field sample data collection;
- The use of new laboratory-supplied sample containers;
- The use of new and dedicated sampling equipment;
- The wearing of a new pair of nitrile gloves during the handling of all samples and field equipment; and
- Implementing equipment cleaning procedures.

Laboratory QA/QC procedures were implemented internally by the laboratory and validated through a review of the sample Chain-of-Custody forms and Laboratory Certificates of Analysis. The laboratory QA/QC assessment included a review of the following:

- Sample holding times and arrival temperatures;
- Laboratory analytical methods (i.e., MECP approved methods were used);
- Results were received for all of the requested samples and analyses;
- Laboratory surrogate recovery and spike sample results;
- Dilution factors and method detection limits;
- Duplicate sample analytical results;
- Laboratory Certificate of Analysis notes; and
- Analytical results as compared to visual/olfactory observations.

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QC samples (field duplicates) were also submitted for analysis. The analytical data precision was assessed by calculating the Relative Percent Difference (RPD) between the investigation sample results (C1) and the field duplicate sample results (C2). The RPD was calculated as follows:

$$RPD = 2 | C1-C2 | / (C1 + C2) \times 100\%$$

The RPD acceptance criteria were 50% for soil samples and 30% for groundwater.

3.0 Phase II ESA Results

3.1 Geology and Hydrogeology

3.1.1 Geology

The subsurface stratigraphy on the Site generally consisted of top soil and/or fill materials (up to 1.5m) over native clayey silt till with a sand/silty sand seam. Bedrock was not encountered to the maximum drilling depth of 12.0m.

No visual or olfactory evidence to suggest potential contamination was noted in soil during drilling activities, and no elevated soil headspace readings were recorded.

Copies of the borehole logs illustrating the stratigraphy and soil sample headspace readings are included in **Appendix B**.

3.1.2 Hydrogeology

The depths to groundwater in the seven monitoring wells were measured on November 9, 2020, November 23, 2020 and December 14, 2020 and ranged from 5.58m and 8.59m on December 14, 2020. The measured groundwater levels and elevations are summarized in **Table 2**. The shallow groundwater flow direction was inferred to be southeasterly.

It was inferred that the groundwater levels may not have reached static condition during the time frame of this Phase II ESA and therefore the groundwater flow direction was not determined. The groundwater flow conditions at the Site will be further evaluated in a separate Hydrogeological Investigation, which will be documented in a separate report.

3.1.3 Soil Analytical Results

Samples of shallow soil and soil fill were collected from across the Site and submitted for laboratory analysis of one or more of metals, hydride forming metals (As, Sb and Se), OCs, PAHs, PHCs and BTEX. The soil analytical results as compared to the 2011 Table 1 SCSs and 2011 Table 2 ICC SCSs are summarized in **Table 3** to **Table 7**. The laboratory Certificates of Analysis are included in **Appendix C**.

The following is a summary of the results:

- The results of the field screening did not identify elevated vapour measurements for total hydrocarbons (<40ppm) or VOCs (<1ppm) in collected soil samples.
- The soil analytical results were below the 2011 Table 1 SCSs for all of the analyzed parameters with the exception of F2 PHCs in one surface soil sample, SS2-20 (0-0.3m), collected from below the exterior fill pipe associated with the basement AST at the residential dwelling at 12824 Dixie Road.
- The soil analytical results were below the 2011 Table 2 ICC SCSs for all of the analyzed parameters, including PHCs.

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The soil analytical results are illustrated on **Figure 4** (metals), **Figure 5** (OCs) and **Figure 6** (PHCs and BTEX). One sample was submitted for PAHs from SS3-20 (0-0.3m) collected adjacent to the fire pits.

3.2 Groundwater Analytical Results

No visual or olfactory evidence to suggest groundwater contamination (e.g. odours, discolouration, sheen or separate-phase liquids) was observed during the groundwater sampling activities.

Groundwater samples were collected and submitted for laboratory analysis of one or more of metals, hydride forming metals (As, Sb and Se), OCs, PHCs and BTEX. The analytical results are summarized in **Table 8** to **Table 11** and were compared to the 2011 Table 1 SCSs and 2011 Table 2 ICC SCSs. The laboratory Certificate of Analyses are included in **Appendix C**.

The groundwater analytical results were below the 2011 Table 1 SCSs and the 2011 Table 2 ICC SCSs for all of the analyzed parameters.

3.3 Quality Assurance/Quality Control

A QA/QC program was implemented during this Phase II ESA to demonstrate that the data collected was suitable to meet the sampling program objectives. The following is a summary of the QA/QC review:

- Soil and groundwater samples were collected using industry standard methods in laboratory supplied containers, and transported in insulated coolers containing ice under Chain-of-Custody to the laboratory. No concerns with respect to sample collection, handling and control were noted.
- Bureau Veritas noted that the average temperature of one sample submission on receipt was above 10ºC. These samples were submitted to Bureau Veritas on the day of sampling and cooling had been initiated after sample collection and while samples were driven directly to the lab. As a result, the elevated temperature measurement was note considered to be a concern for data quality.
- All samples were analyzed by the laboratory using MECP approved analytical methods and within the required holding times.
- Analytical results were received for all samples submitted for analysis. No concerns were noted with respect to lab internal quality indicators (e.g., surrogate recovers) or Certificate of Analysis notes.

MTE submitted a field duplicate soil sample from borehole BH122-20 and a field duplicate groundwater sample from monitoring well MW106-20 for analysis of metals, As, Sb, Se and OCs. The calculated RPDs for the original and duplicate samples were less than 50% (for soil) and 30% (for groundwater) for all parameters where a calculation could be completed.

It was noted that the laboratory Reportable Detection Limits (RDLs) for benzene and xylenes in surface soil sample SS3-20 (0-0.3m) were slightly above the 2011 Table 1 SCS. The raised RDLs were due to a low sample weight and high moisture content. BTEX was not detected in the other soil and groundwater samples submitted for analysis from the Site and this slightly elevated RDL was not interpreted to be an exceedance of the 2011 Table 1 SCSs.

The QA/QC review did not identify significant concerns for data quality and the sampling program objectives were interpreted to have been met.

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4.0 Summary and Conclusions

MTE was retained by Tribal Partners to conduct a Phase II ESA for the property located at municipal addresses 12824 and 12892 Dixie Road in Caledon, Ontario. The scope of work for the Phase II ESA was developed based on the results of the previous Phase I ESA, which identified potential environmental concerns at the Site.

Soil Sampling and Analysis Results

The subsurface stratigraphy on the Site generally consisted of 0.1m of top soil underlain by fill materials and/or reworked native material (up to 1.5m) over native clayey silt till with a sand/silty sand seam. Bedrock was not encountered to the maximum drilling depth of 12.0m.

The soil analytical results were below the 2011 Table 1 SCSs with the exception of F2 PHCs in one surface soil sample, SS2-20 (0-0.3m), collected from below the exterior fill pipe associated with the basement AST at the residential dwelling at 12824 Dixie Road.

The soil analytical results were below the 2011 Table 2 ICC SCSs for all of the analyzed parameters, including PHCs.

Groundwater Sampling and Analysis Results

The measured depth to groundwater in the three sampled monitoring wells was between 5.58m and 8.59m below ground surface and the water table occurs in the native clayey silt till. The shallow groundwater flow direction was inferred to be southeasterly.

The groundwater analytical results were below the 2011 Table 1 SCSs and the 2011 Table 2 ICC SCSs for all of the analyzed parameters.

Conclusions

The concentration of F2 PHCs was above the 2011 Table 1 SCS in one surface soil sample (SS2-20) collected adjacent to the residential dwelling AST fill pipe at 12824 Dixie Road. This sample is interpreted to be within 30m of one of the Areas of Natural Significance.

The concentration of F2 PHCs at SS2-20 met the 2011 Table 2 ICC SCSs and this soil may be chemically suitable for relocation to other future industrial use areas of Site, greater than 30m from the Areas of Natural Significance. Alternatively, soil in this area may be suitable for re-use on another property where the 2011 Table 2 ICC SCSs or less stringent SCSs are applicable, or transported off-Site for disposal to an MECP-approved facility. Additional sampling would be recommended to evaluate appropriate soil relocation alternatives.

It is also recommended that any ash or other waste materials within the two fire pits be removed and transported off-Site for disposal prior to property redevelopment as these materials likely contain elevated levels of products of combustion such as PAHs and/or metals.

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5.0 Limitations

Services performed by **MTE Consultants Inc.** (MTE) were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the Environmental Engineering & Consulting profession. No other warranty or representation expressed or implied as to the accuracy of the information, conclusions or recommendations is included or intended in this report.

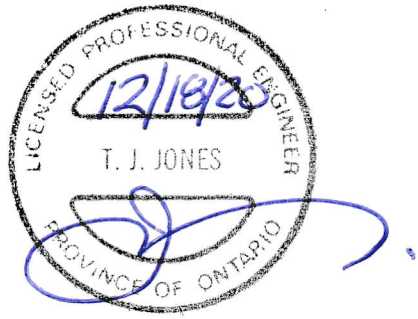
This report was completed for the sole use of MTE and Tribal Partners. It was completed in accordance with the Scope of Work referred to in Section 1.4. As such, this report may not deal with all issues potentially applicable to the Site and may omit issues, which are or may be of interest to the reader. Reasonable care was exercised to identify the important features, including the important environmental features, and this report addresses only those features as provided in the Scope of Work. All findings and conclusions presented in this report are based on the Site conditions as they existed during the time period of the investigation. This report is not intended to be exhaustive in scope or to imply a risk-free facility or conditions.

Any use which a third party makes of this report, or any reliance on, or decisions to be made based upon it, are the responsibility of such third parties. MTE accepts no responsibility for liabilities incurred by or damages, if any, suffered by any third party as a result of decisions made or actions taken, based upon this report. Others with interest in the Site should undertake their own investigations and studies to determine how or if the condition affects them or their plans.

It should be recognized that the passage of time may affect the views, conclusions and recommendations (if any) provided in this report because environmental conditions of a property can change. Should additional or new information become available, MTE recommends that it be brought to our attention in order that we may re-assess the contents of this report.

All of which is respectfully submitted,

MTE Consultants Inc.



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M:\48043\100\Phase II ESA\Report\48043-100 Phase II ESA 12824 & 12892 Dixie Road, Caledon (FINAL).docx

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6.0 References

1. Canadian Standards Association, December 2000, Z769-00 (R2013) Phase II Environmental Site Assessments.
2. MTE Consultants Inc., September 30, 2020. Phase I Environmental Site Assessment, 12824 & 12892 Dixie Road, Caledon, ON.
4. Ontario Ministry of the Environment; May 1996. MOE Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario.
5. Ontario Ministry of the Environment, April 15, 2011, Rationale For the Development of Soil and Ground Water Standards For Use at Contaminated Sites in Ontario.
6. Ontario Ministry of the Environment, April 15, 2011, Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act.
7. USEPA, December 1996, SW-846 Method 5035 Closed-system Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste.
7. USEPA, 2013, Operating Procedure SESDPROC-301-R3 “Sampling Guidance”.

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7.0 Qualifications of Assessors

The key participants involved in conducting this Phase II ESA were Mr. Thomas Jones, P.Eng., QP_{ESA} and Ms. Monique Gyba, B.E.S., C.Tech of MTE Consultants Inc.

Mr. Jones has over 25 years of professional experience assessing and managing environmental risk in Ontario. He brings a unique perspective though his experience as a senior environmental engineer and project manager for two multi-disciplined consulting firms and in the private sector managing environmental risk for a major Canadian bank. Mr. Jones is a licensed Professional Engineer in the province of Ontario and a Qualified Person for Environmental Site Assessment as defined in O.Reg.153/04. His technical experience includes conducting and managing Phase I and II environmental site assessments and remediation projects, both for due diligence and to support to risk assessments and the filing of Records of Site Condition.

Ms. Gyba B.E.S., C.Tech is a graduate of the University of Waterloo with a Bachelors of Environmental Studies. She also has an Environmental Technician diploma from Seneca College and is a Certified Environmental Technician. Ms. Gyba has nine years of experience in the environmental consulting industry and has conducted numerous due diligence Phase I and II Environmental Site Assessments, Ontario Regulation 153/04 (as amended) Phase One and Two Environmental Site Assessments, and a variety of soil and groundwater remediation projects.

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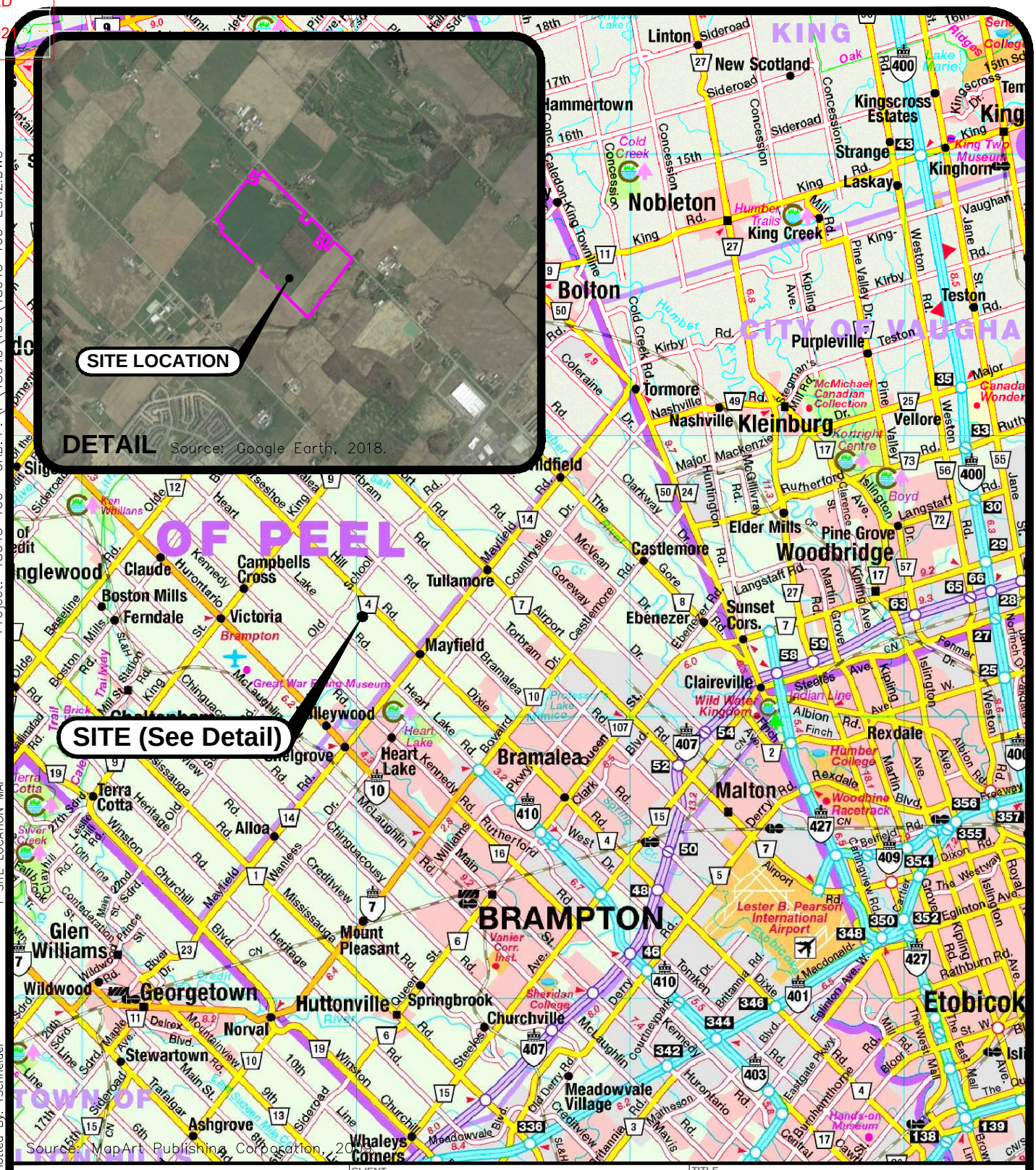

Project: 48043-100 CAD: P:\48043\100\48043-100-ESA2.DWG 1 SITE LOCATION MAP — Plotted By: TSchneider — December 17, 2020 — 9:12 AM

MTE
Engineers, Scientists, Surveyors
Ph. (905) 639-2552

0 2 4 6 8 10km
Scale(8.5x11): 1:200 000

CLIENT: Tribal Partners

PROJECT: Phase II Environmental Site Assessment

SITE: 12824 and 12892 Dixie Road Caledon, ON

TITLE: SITE LOCATION MAP

Reviewed By	TJJ
Prepared By	MFG
Drawn By	TXS
Date	December 2020
Project No.	48043-100
Figure No.	1

N
NORTH

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Dixie Road

Old School Road

Residential Dwelling
(12824 Dixie Road)

Approximate Location
of Fuel Oil ASTs

Approximate Location
of Septic System

Tributary of
West Humber River/
Wetland Feature

Approximate Location
of Septic System

Farmhouse
(12892 Dixie Road)

Car Shed

Silos

Fire
Pits

Machinery Shed/
Hay Storage

Machinery Shed

Barn

Tractor Shed

Grain Bins

Abandoned Manure Storage

Intermittent Watercourse/ Wetland Feature

Pond

Wooded Lot

Agricultural Fields

Log Storage

Manure Storage

Tributary of West
Humber River/
Wetland Feature

North Staff Gauge

South Staff Gauge

30m

15m

SS1-20
SS2-20
SS3-20
BH201-20
BH202-20
BH203-20
BH204-20
BH205-20
MW101-20
MW102-20
MW103-20
MW104-20
MW105-20
MW106-20
MW107-20
BH108-20
BH109-20
BH110-20
BH111-20
BH112-20
BH113-20
BH114-20
BH115-20
BH116-20
BH117-20
BH118-20
BH119-20
BH120-20
BH121-20
BH122-20
BH123-20
BH124-20
BH125-20
BH126-20
BH127-20
BH128-20
BH129-20
BH130-20
BH131-20
BH132-20
BH133-20
BH134-20
BH135-20
BH136-20
BH137-20
BH138-20
BH139-20
BH140-20
BH141-20

NORTH

PROJECT NORTH

LEGEND

- Property Line
- Existing Building
- Watercourse
- Abandoned Drinking Water Well
- Borehole
- Monitoring Well
- Soil Surface Sample
- MNRF Natural Heritage System
- MNRF Woodland
- Peel Region Core Areas of the Greenlands System
- Development Environmental Setback

0 40 80 120 160 200m

Scale(11x17): 1:4000

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Tribal Partners

PROJECT
Phase II
Environmental Site Assessment

SITE
12824 and 12892 Dixie Road
Caledon, ON

TITLE
SITE LAYOUT AND
SAMPLING LOCATIONS

Reviewed By	TJJ		
Prepared By	MFG	Project No.	48043-100
Drawn By	TXS	Figure No.	2
Date	December 2020		

Project: 48043-100 CAD: P:\48043\100\48043-100-ESA2.DWG
2 SITE LAYOUT AND SAMPLING LOCATIONS
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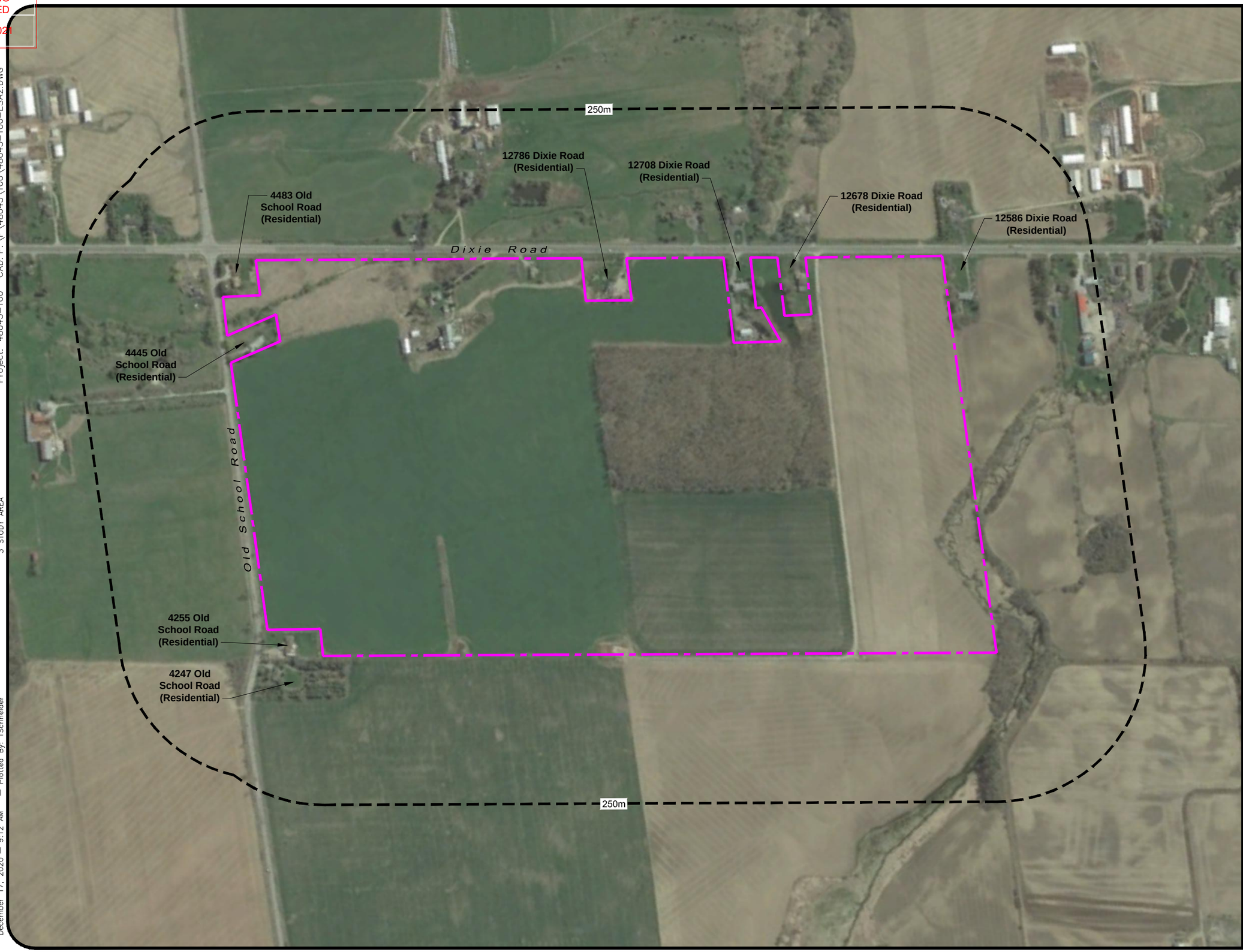

NORTH

PROJECT NORTH

LEGEND

Property Line

0 60 120 180 240 300m

Scale(11x17): 1:6000

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PROJECT
Phase II
Environmental Site Assessment

SITE
12824 and 12892 Dixie Road
Caledon, ON

TITLE
STUDY AREA

Reviewed By	TJJ		
Prepared By	MFG	Project No.	48043-100
Drawn By	TXS	Figure No.	3
Date	December 2020		

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Project: 48043-100 CAD: P:\48043\100\48043-100-ESA2.DWG
3 STUDY AREA

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Dixie Road

Old School Road

Residential Dwelling
(12824 Dixie Road)

Approximate Location
of Fuel Oil ASTs

Approximate Location
of Septic System

Tributary of
West Humber River/
Wetland Feature

Approximate Location
of Septic System

Farmhouse
(12892 Dixie Road)

North Staff Gauge

Car Shed

Fire
Pits

Silos

Machinery Shed/
Hay Storage

Machinery Shed

Barn

Tractor Shed

Grain Bins

Abandoned Manure Storage

Intermittent Watercourse/ Wetland Feature

Pond

Wooded Lot

Agricultural Fields

Log Storage

Manure Storage

Tributary of West
Humber River/
Wetland Feature

South Staff Gauge

0.0-0.3 SS2-20
0.8-1.4 MW101-20
0.8-1.4 BH203-20
0.0-0.3 SS1-20
SS3-20
BH201-20 0.2-0.6
BH204-20
MW102-20 0.3-0.6
0.2-0.6 BH202-20
0.2-0.6 BH205-20
BH125-20
BH129-20
0.1-0.6 MW103-20
0.4-0.6 BH141-20
0.3-0.6 MW106-20
0.3-0.6 BH140-20
0.4-0.6 MW107-20
0.2-0.6 BH124-20
BH110-20
BH118-20
BH113-20
BH121-20
0.2-0.6 BH117-20
BH109-20
0.2-0.6 BH112-20
BH128-20
BH123-20
BH116-20
BH111-20
1.5-2.1 BH120-20
0.2-0.5 BH122-20
BH127-20
0.3-0.6 BH131-20
BH133-20
0.3-0.6 BH136-20
BH139-20
0.1-0.6 BH108-20
0.3-0.6 BH115-20
BH132-20
BH135-20
BH138-20
0.2-0.6 MW104-20
BH114-20
0.1-0.6 BH119-20
BH126-20
BH130-20
0.4-0.6 BH134-20
0.4-0.6 BH137-20
0.3-0.6 MW105-20

NORTH

PROJECT NORTH

LEGEND

- Property Line
- Existing Building
- Watercourse
- Abandoned Drinking Water Well
- Borehole
- Monitoring Well
- Soil Surface Sample
- Sample Exceeds Applicable SCS
- Sample Meets Applicable SCS
- 0.3-0.6 Sample Depth

NOTES:

Applicable Site Condition Standards (SCS): Table 1 (RPI or ICC, coarse) of the "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011)

0 40 80 120 160 200m

Scale(11x17): 1:4000

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PROJECT
Phase II
Environmental Site Assessment

SITE
12824 and 12892 Dixie Road
Caledon, ON

TITLE
METALS IN SOIL
PLAN VIEW

Reviewed By	TJJ		
Prepared By	MFG	Project No.	48043-100
Drawn By	TXS	Figure No.	4
Date	December 2020		

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Project: 48043-100 CAD: P:\P\48043\100\48043-100-ESA2.DWG
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5 SOIL-OCs

Dixie Road

Old School Road

Residential Dwelling
(12824 Dixie Road)

Approximate Location
of Fuel Oil ASTs

Approximate Location
of Septic System

Tributary of
West Humber River/
Wetland Feature

Approximate Location
of Septic System

Farmhouse
(12892 Dixie Road)

Car Shed

Fire
Pits

Silos

Machinery Shed/
Hay Storage

Machinery Shed

Barn

Abandoned Manure Storage

Tractor Shed

Grain Bins

Intermittent Watercourse/ Wetland Feature

Pond

North Staff Gauge

Wooded Lot

Agricultural Fields

Log Storage

Manure Storage

Tributary of West
Humber River/
Wetland Feature

South Staff Gauge

SS1-20
SS2-20
SS3-20
BH203-20
BH201-20
BH204-20
MW102-20
MW101-20
0.3-0.6
0.2-0.6
BH202-20
0.2-0.6 BH205-20
BH125-20
BH129-20
0.1-0.6
MW103-20
0.4-0.6
BH141-20
0.3-0.6
MW106-20
0.3-0.6
BH140-20
BH110-20
BH118-20
BH113-20
BH121-20
0.2-0.6
BH124-20
0.4-0.6
MW107-20
0.2-0.6
BH117-20
BH109-20
0.2-0.6
BH112-20
BH123-20
BH128-20
BH116-20
BH111-20
1.5-2.1
BH120-20
0.2-0.5
BH122-20
BH127-20
0.3-0.6
BH131-20
BH133-20
0.3-0.6
BH136-20
BH139-20
0.1-0.6
BH108-20
0.3-0.6
BH115-20
BH132-20
BH135-20
BH138-20
0.2-0.6
MW104-20
BH114-20
0.1-0.6
BH119-20
BH126-20
BH130-20
0.4-0.6
BH134-20
0.4-0.6
BH137-20
0.3-0.6
MW105-20

NORTH

PROJECT NORTH

LEGEND

- Property Line
- Existing Building
- Watercourse
- Abandoned Drinking Water Well
- Borehole
- Monitoring Well
- Soil Surface Sample
- Sample Exceeds Applicable SCS
- Sample Meets Applicable SCS
- 0.3-0.6 Sample Depth

NOTES:

Applicable Site Condition Standards (SCS): Table 1 (RPI or ICC, coarse) of the "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011)

0 40 80 120 160 200m

Scale(11x17): 1:4000

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PROJECT
Phase II
Environmental Site Assessment

SITE
12824 and 12892 Dixie Road
Caledon, ON

TITLE
OCs IN SOIL
PLAN VIEW

Reviewed By	TJJ		
Prepared By	MFG	Project No.	48043-100
Drawn By	TXS	Figure No.	5
Date	December 2020		

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Parameters	SS2-20
	23-Oct-2020
	0.0-0.3 m bgs
F2 (C10 to C16)	13

Dixie Road

Old School Road

Residential Dwelling (12824 Dixie Road)

Approximate Location of Fuel Oil ASTs

Approximate Location of Septic System

Tributary of West Humber River/ Wetland Feature

Approximate Location of Septic System

Farmhouse (12892 Dixie Road)

SS1-20 0.0-0.3

SS3-20 0.0-0.3

BH203-20

SS2-20

MW101-20

Car Shed

BH201-20

Fire Pits

Silos

BH204-20 0.2-0.6

MW102-20

Abandoned Manure Storage

Machinery Shed/ Hay Storage

0.3-0.6

Machinery Shed

Barn

BH202-20 0.2-0.6

BH205-20 0.2-0.6

Tractor Shed

Grain Bins

BH125-20

BH129-20

Intermittent Watercourse/ Wetland Feature

Pond

North Staff Gauge

MW103-20

BH110-20

BH118-20

BH113-20

BH121-20

BH124-20

MW107-20

Wooded Lot

BH141-20

MW106-20

BH140-20

BH117-20

BH109-20

BH112-20

BH123-20

BH128-20

Agricultural Fields

BH116-20

BH111-20

BH120-20

BH122-20

BH127-20

BH131-20

BH133-20

BH136-20

BH139-20

BH108-20

BH115-20

BH132-20

BH135-20

BH138-20

South Staff Gauge

MW104-20

BH114-20

BH119-20

BH126-20

BH130-20

BH134-20

BH137-20

Log Storage

Manure Storage

Tributary of West Humber River/ Wetland Feature

MW105-20

Parameters	2011 Table 1 SCS (R/P/I or I/C/C, Coarse)	2011 Table 2 SCS (I/C/C, Coarse)
F2 (C10 to C16)	10	230

NORTH

PROJECT NORTH

LEGEND

- Property Line
- Existing Building
- Watercourse
- Abandoned Drinking Water Well
- Borehole
- Monitoring Well
- Soil Surface Sample
- Sample Exceeds Applicable SCS
- Sample Meets Applicable SCS
- 0.3-0.6 Sample Depth

NOTES:

Applicable Site Condition Standards (SCS): Table 1 (RPI or ICC, coarse) of the "Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (April 15, 2011)

0 40 80 120 160 200m

Scale(11x17): 1:4000

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CLIENT: Tribal Partners

PROJECT: Phase II Environmental Site Assessment

SITE: 12824 and 12892 Dixie Road Caledon, ON

TITLE: PHCs/BTEX IN SOIL PLAN VIEW

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Prepared By	MFG	Project No.	48043-100
Drawn By	TXS	Figure No.	6
Date	December 2020		

Project: 48043-100 CAD: P:\48043\100\48043-100-ESA2.DWG 6 SOIL-PHCs — Plotted By: TSchneider
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Tables

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Table 1: Monitoring Well Construction Details

Well ID	Completed By	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	Well Depth (mbgs)	Screen Length (m)	Well Construction Details						Type of Casing
						Depth of Screen (m)		Sand Pack (m)		Bentonite (m)		
						Top	Bottom	Top	Bottom	Top	Bottom	
MW101-20	MTE	266.97	267.89	10.4	1.5	8.9	10.4	8.3	10.4	0.3	8.3	Monument
MW102-20	MTE	267.55	268.49	7.3	3.0	4.3	7.3	4.0	7.3	0.3	4.0	Monument
MW103-20	MTE	268.03	269.03	6.7	1.5	5.2	6.7	4.6	6.7	0.3	4.6	Monument
MW104-20	MTE	272.09	273.13	10.5	0.9	9.6	10.5	9.3	10.5	0.3	9.3	Monument
MW105-20	MTE	264.65	265.66	6.1	1.5	4.6	6.1	4.0	6.1	0.3	4.0	Monument
MW106-20	MTE	266.25	267.20	11.6	0.9	10.7	11.6	10.4	11.6	0.3	10.4	Monument
MW107-20	MTE	268.42	269.37	11.4	0.9	10.5	11.4	10.2	11.4	0.3	10.2	Monument

Notes:

Date of elevation survey: November 23, 2020
Elevations are geodetic and are referenced to benchmark #00820140072
"m" - meters
"masl" - meters above sea level
"mbgs" - meters below ground surface

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Table 2: Summary of Groundwater Elevations

Well ID	Ground Surface Elevation (masl)	Top of Pipe Elevation (masl)	9-Nov-20			23-Nov-20			14-Dec-20		
			Water Level (mbtop)	Water Level (mbgs)	Elevation (masl)	Water Level (mbtop)	Water Level (mbgs)	Elevation (masl)	Water Level (mbtop)	Water Level (mbgs)	Elevation (masl)
MW101-20	266.97	267.89	8.48	7.55	259.42	8.47	7.55	259.42	8.45	7.53	259.44
MW102-20	267.55	268.49	8.18	7.25	260.31	8.20	7.26	260.29	8.21	7.28	260.28
MW103-20	268.03	269.03	6.53	5.52	262.51	6.57	5.56	262.46	6.59	5.58	262.45
MW104-20	272.09	273.13	Dry	-	-	Dry	-	-	Dry	-	-
MW105-20	264.65	265.66	6.82	5.80	258.84	6.54	5.53	259.12	6.62	5.61	259.04
MW106-20	266.25	267.20	9.70	8.76	257.49	9.74	8.80	257.46	9.54	8.59	257.66
MW107-20	268.42	269.37	9.07	8.11	260.31	9.11	8.15	260.26	9.18	8.22	260.20

Notes:
Date of elevation survey: November 23, 2020
Elevations are geodetic and are referenced to benchmark #00820140072
"m" - meters
"mbgs" - meters below ground surface
"mbtop" - meters below top of pipe
"-" not measured or not applicable

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Table 3: Metals and Hydride-Forming Metals Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW101-20	MW102-20	MW103-20	MW104-20	MW105-20	MW106-20	MW107-20	MW107-20	BH108-20
					Sample Name		MW101-20 2.5-4.5	MW102-20 1-2	MW103-20 0.25-2	MW104-20 0.6-2	MW105-20 1-2	MW106-20 1-2	MW107-20 1.2-2	MW107-20 1.2-2 Lab-Dup	BH108-20 0.3-2
					Lab Job #		C0S8723	C0S1191	C0S0065	C0S0065	C0S8723	C0S5156	C0S5156	C0S5156	C0S0065
					Laboratory ID		OAU360	NZE465	NYY083	NYY106	OAU356	OAA703	OAA653	OAA653	NYY087
					Sampling Date		29-Oct-2020	23-Oct-2020	19-Oct-2020	21-Oct-2020	28-Oct-2020	28-Oct-2020	26-Oct-2020	26-Oct-2020	20-Oct-2020
					Sample Depth (m bgs)		0.8-1.4	0.3-0.6	0.1-0.6	0.2-0.6	0.3-0.6	0.3-0.6	0.4-0.6	0.4-0.6	0.1-0.6
					Maximum Concentration									Laboratory Duplicate	
Metals and Hydride-Forming Metals															
Antimony	µg/g	0.2 - 1	1.3	50	<	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20
Arsenic	µg/g	1	18	18		6.7	4.8	4.3	6.6	5.2	5.1	4.7	5.1	-	4.4
Barium	µg/g	0.5 - 1	220	670		140	62	56	92	80	140	120	88	-	110
Beryllium	µg/g	0.2 - 0.5	2.5	10		1.1	0.58	0.54	0.98	0.74	1.1	0.98	0.71	-	0.83
Boron	µg/g	5	36	120		9.3	7.3	6.5	8.2	5.8	9.3	8.1	5.1	-	5.8
Cadmium	µg/g	0.1 - 0.5	1.2	1.9		0.34	<0.10	<0.10	0.13	<0.10	0.12	0.14	0.14	-	0.14
Chromium	µg/g	1	70	160		33	17	17	26	20	33	30	24	-	25
Cobalt	µg/g	0.1 - 1	21	100		16	10	9.6	13	9.8	16	14	9.2	-	9
Copper	µg/g	0.5 - 1	92	300		44	30	31	44	32	31	28	22	-	31
Lead	µg/g	1	120	120		100	7.6	7.4	12	9.1	13	12	9.1	-	9.7
Molybdenum	µg/g	0.5 - 1	2	40	<	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50
Nickel	µg/g	0.5 - 1	82	340		36	21	19	29	23	36	32	23	-	23
Selenium	µg/g	0.5 - 1	1.5	5.5	<	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50
Silver	µg/g	0.2	0.5	50	<	0.2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20
Thallium	µg/g	0.05 - 0.5	1	3.3		0.21	0.12	0.082	0.2	0.12	0.21	0.17	0.13	-	0.14
Uranium	µg/g	0.05 - 1	2.5	33		0.85	0.42	0.39	0.53	0.46	0.58	0.57	0.59	-	0.85
Vanadium	µg/g	1 - 5	86	86		45	26	24	37	31	45	42	36	-	34
Zinc	µg/g	5	290	340		120	47	52	63	44	76	67	51	-	55
pH	pH units	0.1	NR	NR		7.67	7.64	-	7.54	7.6	7.22	7.38	6.75	6.71	7.41

Notes:
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Table 3: Metals and Hydride-Forming Metals Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	BH112-20 BH112-20 0.5-2 C0S0065 NYY099 20-Oct-2020 0.2-0.6	BH115-20 BH115-20 1-2 C0S0065 NYY112 21-Oct-2020 0.3-0.6	BH117-20 BH117-20 0.7-2 C0S1138 NZD813 22-Oct-2020 0.2-0.6	BH119-20 BH119-20 0.25-2 C0S1138 NZD833 22-Oct-2020 0.1-0.6	BH120-20 BH120-20 5-7 C0S1138 NZD838 22-Oct-2020 1.5-2.1	BH122-20 BH122-20 0.8-1.75 C0S1138 NZD829 22-Oct-2020 0.2-0.5	BH122-20 BH1122-20 0.8-1.75 C0S1138 NZD830 22-Oct-2020 0.2-0.5 Field Duplicate	BH124-20 BH124-20 0.8-2 C0S1138 NZD823 22-Oct-2020 0.2-0.6	BH131-20 BH131-20 1-2 C0S5156 OAA672 27-Oct-2020 0.3-0.6	BH131-20 BH131-20 1-2 Lab-Dup C0S5156 OAA672 27-Oct-2020 0.3-0.6 Laboratory Duplicate
Metals and Hydride-Forming Metals														
Antimony	µg/g	0.2 - 1	1.3	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	µg/g	1	18	18	4.6	3.4	4.6	4.3	4	4.4	5.3	3.9	6.5	6.6
Barium	µg/g	0.5 - 1	220	670	77	110	55	59	43	76	78	100	95	90
Beryllium	µg/g	0.2 - 0.5	2.5	10	0.78	0.79	0.6	0.61	0.42	0.76	0.8	0.77	0.86	0.82
Boron	µg/g	5	36	120	<5.0	5.1	5.9	5	5.8	6.4	6.4	6.6	7.1	6.7
Cadmium	µg/g	0.1 - 0.5	1.2	1.9	0.15	0.16	<0.10	<0.10	<0.10	<0.10	0.12	0.15	<0.10	<0.10
Chromium	µg/g	1	70	160	22	24	18	19	13	23	24	25	22	21
Cobalt	µg/g	0.1 - 1	21	100	8.3	8.1	9.5	8.7	9.1	10	11	9.5	13	13
Copper	µg/g	0.5 - 1	92	300	24	22	30	33	31	31	34	25	39	39
Lead	µg/g	1	120	120	11	9.8	8.4	9.9	8.9	10	11	10	7.3	7
Molybdenum	µg/g	0.5 - 1	2	40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Nickel	µg/g	0.5 - 1	82	340	21	19	20	19	15	23	26	22	27	26
Selenium	µg/g	0.5 - 1	1.5	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver	µg/g	0.2	0.5	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	µg/g	0.05 - 0.5	1	3.3	0.13	0.14	0.12	0.12	0.1	0.14	0.15	0.16	0.12	0.11
Uranium	µg/g	0.05 - 1	2.5	33	0.54	0.67	0.39	0.47	0.39	0.51	0.54	0.55	0.42	0.38
Vanadium	µg/g	1 - 5	86	86	33	37	26	29	21	35	34	36	31	29
Zinc	µg/g	5	290	340	56	49	47	52	37	57	59	51	59	54
pH	pH units	0.1	NR	NR	7.44	7.07	7.49	7.5	-	7.04	6.96	7	7.62	-

Notes:
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Table 3: Metals and Hydride-Forming Metals Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	BH134-20	BH136-20	BH137-20	BH140-20	BH141-20	BH201-20	BH202-20	BH203-20	BH203-20	BH205-20
					BH134-20 1.25-2	BH136-20 1-2	BH137-20 1.25-2	BH140-20 1-2	BH141-20 1.2-2	BH201-20 0.5-2	BH202-20 0.5-2	BH203-20 2.5-4.5	BH203-20 2.5-4.5 Lab-Dup	BH205-20 0.5-2
					C0S5156	C0S5156	C0S5156	C0S5156	C0S5156	C0S1191	C0S1191	C0S1191	C0S1191	C0S1191
					OAA678	OAA684	OAA693	OAA697	OAA700	NZE448	NZE402	NZE445	NZE445	NZE414
					27-Oct-2020	27-Oct-2020	28-Oct-2020	28-Oct-2020	28-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020
					0.4-0.6	0.3-0.6	0.4-0.6	0.3-0.6	0.4-0.6	0.2-0.6	0.2-0.6	0.8-1.4	0.8-1.4	0.2-0.6
													Laboratory Duplicate	
Metals and Hydride-Forming Metals														
Antimony	µg/g	0.2 - 1	1.3	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	µg/g	1	18	18	4	6.7	3.2	3.8	3.9	4.1	3.3	4.6	4.7	3.2
Barium	µg/g	0.5 - 1	220	670	64	92	74	92	98	65	57	66	63	46
Beryllium	µg/g	0.2 - 0.5	2.5	10	0.57	0.84	0.61	0.73	0.81	0.6	0.45	0.61	0.61	0.61
Boron	µg/g	5	36	120	<5.0	5.6	<5.0	8.1	9.2	<5.0	<5.0	7.3	7.1	<5.0
Cadmium	µg/g	0.1 - 0.5	1.2	1.9	0.12	0.12	0.14	0.1	0.11	0.19	0.18	<0.10	<0.10	0.11
Chromium	µg/g	1	70	160	18	25	20	23	26	18	15	19	18	18
Cobalt	µg/g	0.1 - 1	21	100	8.4	12	8.9	12	12	9.8	8.1	10	10	9.1
Copper	µg/g	0.5 - 1	92	300	26	32	18	22	23	25	32	30	29	19
Lead	µg/g	1	120	120	8.2	10	8.8	10	11	11	17	9.6	9.2	14
Molybdenum	µg/g	0.5 - 1	2	40	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Nickel	µg/g	0.5 - 1	82	340	19	27	20	27	26	17	17	22	21	15
Selenium	µg/g	0.5 - 1	1.5	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver	µg/g	0.2	0.5	50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	µg/g	0.05 - 0.5	1	3.3	0.11	0.14	0.13	0.16	0.16	0.12	0.1	0.14	0.11	0.12
Uranium	µg/g	0.05 - 1	2.5	33	0.45	0.57	0.49	0.51	0.47	0.45	0.34	0.43	0.41	0.43
Vanadium	µg/g	1 - 5	86	86	29	36	30	32	36	27	27	28	27	29
Zinc	µg/g	5	290	340	45	58	44	53	53	61	68	52	49	53
pH	pH units	0.1	NR	NR	7.58	6.84	7.65	7.66	7.67	7.54	-	7.65	-	-

Notes:
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Table 3: Metals and Hydride-Forming Metals Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	SS1-20	SS2-20
					SS1-20	SS2-20
					C0S1191	C0S1191
					NZE400	NZE401
					23-Oct-2020	23-Oct-2020
					0.0-0.3	0.0-0.3
Metals and Hydride-Forming Metals						
Antimony	µg/g	0.2 - 1	1.3	50	-	-
Arsenic	µg/g	1	18	18	-	-
Barium	µg/g	0.5 - 1	220	670	120	64
Beryllium	µg/g	0.2 - 0.5	2.5	10	0.56	0.64
Boron	µg/g	5	36	120	7	5.4
Cadmium	µg/g	0.1 - 0.5	1.2	1.9	0.34	0.19
Chromium	µg/g	1	70	160	17	18
Cobalt	µg/g	0.1 - 1	21	100	8.5	8.9
Copper	µg/g	0.5 - 1	92	300	28	27
Lead	µg/g	1	120	120	100	35
Molybdenum	µg/g	0.5 - 1	2	40	<0.50	<0.50
Nickel	µg/g	0.5 - 1	82	340	17	19
Selenium	µg/g	0.5 - 1	1.5	5.5	-	-
Silver	µg/g	0.2	0.5	50	<0.20	<0.20
Thallium	µg/g	0.05 - 0.5	1	3.3	0.13	0.12
Uranium	µg/g	0.05 - 1	2.5	33	0.41	0.41
Vanadium	µg/g	1 - 5	86	86	24	28
Zinc	µg/g	5	290	340	120	68
pH	pH units	0.1	NR	NR	-	-

Notes:
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Table 4: Organochlorine Pesticides (OCs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW102-20	MW103-20	MW104-20	MW105-20	MW105-20	MW106-20	MW107-20	BH108-20	BH112-20
					Sample Name		MW102-20 1-2	MW103-20 0.25-2	MW104-20 0.6-2	MW105-20 1-2	MW105-20 1-2 Lab-Dup	MW106-20 1-2	MW107-20 1.2-2	BH108-20 0.3-2	BH112-20 0.5-2
					Lab Job #		C0S1191	C0S0065	C0S0065	C0S8723	C0S8723	C0S5156	C0S5156	C0S0065	C0S0065
					Laboratory ID		NZE465	NYY083	NYY106	OAU356	OAU356	OAA703	OAA653	NYY087	NYY099
					Sampling Date		23-Oct-2020	19-Oct-2020	21-Oct-2020	28-Oct-2020	28-Oct-2020	28-Oct-2020	26-Oct-2020	20-Oct-2020	20-Oct-2020
					Sample Depth (m bgs)		0.3-0.6	0.1-0.6	0.2-0.6	0.3-0.6	0.3-0.6	0.3-0.6	0.4-0.6	0.1-0.6	0.2-0.6
					Maximum Concentration						Laboratory Duplicate				
Organochlorine Pesticides (OCs)															
alpha-Chlordane	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Chlordane	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chlordane (Total)	µg/g	0.002 - 0.028	0.05	0.05	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDD	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD + p,p-DDD	µg/g	0.002 - 0.028	0.05	4.6	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDE	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDE	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDE + p,p-DDE	µg/g	0.002 - 0.028	0.05	0.65	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDT	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDT	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDT + p,p-DDT	µg/g	0.002 - 0.028	1.4	1.4	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020
Dieldrin	µg/g	0.002 - 0.02	0.05	0.11	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan I	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan II	µg/g	0.002 - 0.02	NR	NR	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Endosulfan	µg/g	0.002 - 0.028	0.04	0.38	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020
Endrin	µg/g	0.002 - 0.02	0.04	0.04	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor	µg/g	0.002 - 0.02	0.05	0.19	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor epoxide	µg/g	0.002 - 0.02	0.05	0.05	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobenzene	µg/g	0.002 - 0.01	0.01	0.66	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	µg/g	0.002 - 0.01	0.01	0.095	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Hexachlorocyclohexane (Lindane)	µg/g	0.002 - 0.01	0.01	0.063	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachloroethane	µg/g	0.002 - 0.01	0.01	0.43	<	0.002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methoxychlor	µg/g	0.005 - 0.02	0.05	1.6	<	0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

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					BH112-20 0.5-2 Lab-Dup	BH115-20 1-2	BH117-20 0.7-2	BH119-20 0.25-2	BH119-20 0.25-2 Lab-Dup	BH120-20 5-7	BH122-20 0.8-1.75	BH122-20 0.8-1.75	BH124-20 0.8-2	BH131-20 1-2
					C0S0065	C0S0065	C0S1138	C0S1138	C0S1138	C0S1138	C0S1138	C0S1138	C0S1138	C0S5156
					NYY099	NYY112	NZD813	NZD833	NZD833	NZD838	NZD829	NZD830	NZD823	OAA672
					20-Oct-2020	21-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	22-Oct-2020	27-Oct-2020
					0.2-0.6	0.3-0.6	0.2-0.6	0.1-0.6	0.1-0.6	1.5-2.1	0.2-0.5	0.2-0.5	0.2-0.6	0.3-0.6
					Laboratory Duplicate				Laboratory Duplicate			Field Duplicate		
Organochlorine Pesticides (OCs)														
alpha-Chlordane	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Chlordane	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chlordane (Total)	µg/g	0.002 - 0.028	0.05	0.05	-	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDD	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD + p,p-DDD	µg/g	0.002 - 0.028	0.05	4.6	-	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDE	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDE	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDE + p,p-DDE	µg/g	0.002 - 0.028	0.05	0.65	-	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDT	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDT	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDT + p,p-DDT	µg/g	0.002 - 0.028	1.4	1.4	-	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Dieldrin	µg/g	0.002 - 0.02	0.05	0.11	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan I	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan II	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Endosulfan	µg/g	0.002 - 0.028	0.04	0.38	-	<0.0020	<0.0020	<0.0020	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endrin	µg/g	0.002 - 0.02	0.04	0.04	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor	µg/g	0.002 - 0.02	0.05	0.19	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor epoxide	µg/g	0.002 - 0.02	0.05	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobenzene	µg/g	0.002 - 0.01	0.01	0.66	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	µg/g	0.002 - 0.01	0.01	0.095	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Hexachlorocyclohexane (Lindane)	µg/g	0.002 - 0.01	0.01	0.063	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachloroethane	µg/g	0.002 - 0.01	0.01	0.43	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methoxychlor	µg/g	0.005 - 0.02	0.05	1.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 4: Organochlorine Pesticides (OCs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	BH134-20	BH136-20	BH137-20	BH140-20	BH141-20	BH202-20	BH205-20
					BH134-20 1.25-2	BH136-20 1-2	BH137-20 1.25-2	BH140-20 1-2	BH141-20 1.2-2	BH202-20 0.5-2	BH205-20 0.5-2
					C0S5156	C0S5156	C0S5156	C0S5156	C0S5156	C0S1191	C0S1191
					OAA678	OAA684	OAA693	OAA697	OAA700	NZE402	NZE414
					27-Oct-2020	27-Oct-2020	28-Oct-2020	28-Oct-2020	28-Oct-2020	23-Oct-2020	23-Oct-2020
					0.4-0.6	0.3-0.6	0.4-0.6	0.3-0.6	0.4-0.6	0.2-0.6	0.2-0.6
Organochlorine Pesticides (OCs)											
alpha-Chlordane	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Chlordane	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chlordane (Total)	µg/g	0.002 - 0.028	0.05	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDD	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDD + p,p-DDD	µg/g	0.002 - 0.028	0.05	4.6	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDE	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDE	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDE + p,p-DDE	µg/g	0.002 - 0.028	0.05	0.65	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDT	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
p,p-DDT	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
o,p-DDT + p,p-DDT	µg/g	0.002 - 0.028	1.4	1.4	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Dieldrin	µg/g	0.002 - 0.02	0.05	0.11	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan I	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan II	µg/g	0.002 - 0.02	NR	NR	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Endosulfan	µg/g	0.002 - 0.028	0.04	0.38	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endrin	µg/g	0.002 - 0.02	0.04	0.04	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor	µg/g	0.002 - 0.02	0.05	0.19	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor epoxide	µg/g	0.002 - 0.02	0.05	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobenzene	µg/g	0.002 - 0.01	0.01	0.66	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	µg/g	0.002 - 0.01	0.01	0.095	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
gamma-Hexachlorocyclohexane (Lindane)	µg/g	0.002 - 0.01	0.01	0.063	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachloroethane	µg/g	0.002 - 0.01	0.01	0.43	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methoxychlor	µg/g	0.005 - 0.02	0.05	1.6	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold - Exceeds 2011 Table 1 SCS
Bold - Exceeds 2011 Table 2 SCS
"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 5: Polycyclic Aromatic Hydrocarbons (PAHs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		SS3-20
					Sample Name		SS3
					Lab Job #		C0U5782
					Laboratory ID		OEP056
					Sampling Date		17-Nov-2020
					Sample Depth (m bgs)		0.0-0.3
					Maximum Concentration		
Polycyclic Aromatic Hydrocarbons (PAHs)							
Acenaphthene	µg/g	0.05 - 0.4	0.072	29	<	0.005	<0.0050
Acenaphthylene	µg/g	0.05 - 0.125	0.093	0.17	<	0.005	<0.0050
Anthracene	µg/g	0.05 - 0.125	0.16	0.74	<	0.005	<0.0050
Benz(a)anthracene	µg/g	0.05 - 0.125	0.36	0.96	<	0.005	<0.0050
Benzo(a)pyrene	µg/g	0.05 - 0.125	0.3	0.3		0.0057	0.0057
Benzo(b)fluoranthene	µg/g	0.05 - 0.125	0.47	0.96		0.015	0.015
Benzo(g,h,i)perylene	µg/g	0.05 - 0.15	0.68	9.6		0.0067	0.0067
Benzo(k)fluoranthene	µg/g	0.05 - 0.125	0.48	0.96	<	0.005	<0.0050
Chrysene	µg/g	0.05 - 0.125	2.8	9.6		0.0062	0.0062
Dibenz(a,h)anthracene	µg/g	0.05 - 0.125	0.1	0.1	<	0.005	<0.0050
Fluoranthene	µg/g	0.05 - 0.5	0.56	9.6		0.013	0.013
Fluorene	µg/g	0.05 - 0.125	0.12	69	<	0.005	<0.0050
Indeno(1,2,3-cd)pyrene	µg/g	0.05 - 0.125	0.23	0.95		0.0056	0.0056
1-Methylnaphthalene	µg/g	0.03 - 0.075	0.59	42	<	0.005	<0.0050
2-Methylnaphthalene	µg/g	0.03 - 0.075	0.59	42	<	0.005	<0.0050
1+2-Methylnaphthalene	µg/g	0.0424 - 0.106	0.59	42	<	0.0071	<0.0071
Naphthalene	µg/g	0.013 - 0.32	0.09	28	<	0.005	<0.0050
Phenanthrene	µg/g	0.046 - 0.46	0.69	16		0.0058	0.0058
Pyrene	µg/g	0.05 - 0.5	1	96		0.01	0.01

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)
Bold - Exceeds 2011 Table 1 SCS
Bold - Exceeds 2011 Table 2 SCS
"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 6: Petroleum Hydrocarbons (PHCs) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW102-20	BH202-20	BH204-20	BH205-20	SS1-20	SS2-20	SS3-20
					Sample Name		MW102-20 1-2	BH202-20 0.5-2	BH204-20 0.5-2	BH205-20 0.5-2	SS1-20	SS2-20	SS3
					Lab Job #		C0S1191	C0S1191	C0S1191	C0S1191	C0S1191	C0S1191	C0U5782
					Laboratory ID		NZE465	NZE402	NZE418	NZE414	NZE400	NZE401	OEP056
					Sampling Date		23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	17-Nov-2020
					Sample Depth (m bgs)		0.3-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.0-0.3	0.0-0.3	0.0-0.3
					Maximum Concentration								
Petroleum Hydrocarbons (PHCs)													
F1 (C6 to C10)	µg/g	5 - 10	25	65	<	20	<10	<10	<10	<10	<10	<10	<20
F1 (C6 to C10) minus BTEX	µg/g	5 - 10	25	65	<	20	<10	<10	<10	<10	<10	<10	<20
F2 (C10 to C16)	µg/g	10 - 50	10	250		**13**	<10	<10	<10	<10	<10	**13**	<10
F3 (C16 to C34)	µg/g	50 - 250	240	2500		220	<50	<50	<50	<50	<50	220	<50
F4 (C34 to C50)	µg/g	50 - 250	120	6600	<	50	<50	<50	<50	<50	<50	<50	<50
Reached Baseline at C50	unitless		NR	NR		NA	YES	YES	YES	YES	YES	YES	YES

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold - Exceeds 2011 Table 1 SCS
Bold - Exceeds 2011 Table 2 SCS
"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 7: Benzene, Toluene, Ethylbenzene, Xylene (BTEX) Analysis in Soil

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW102-20	BH202-20	BH204-20	BH205-20	SS1-20	SS2-20	SS3-20
					Sample Name		MW102-20 1-2	BH202-20 0.5-2	BH204-20 0.5-2	BH205-20 0.5-2	SS1-20	SS2-20	SS3
					Lab Job #		C0S1191	C0S1191	C0S1191	C0S1191	C0S1191	C0S1191	C0U5782
					Laboratory ID		NZE465	NZE402	NZE418	NZE414	NZE400	NZE401	OEP056
					Sampling Date		23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	23-Oct-2020	17-Nov-2020
					Sample Depth (m bgs)		0.3-0.6	0.2-0.6	0.2-0.6	0.2-0.6	0.0-0.3	0.0-0.3	0.0-0.3
					Maximum Concentration								
Benzene, Toluene, Ethylbenzene, Xylene (BTEX)													
Benzene	µg/g	0.0068 - 0.02	0.02	0.4	**<**	**0.04**	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	**<0.040**
Ethylbenzene	µg/g	0.018 - 0.02	0.05	1.6	<	0.04	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040
Toluene	µg/g	0.02 - 0.08	0.2	9	<	0.04	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040
o-Xylene	µg/g	0.02	NR	NR	<	0.04	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.040
m+p-Xylene	µg/g	0.03 - 0.04	NR	NR	<	0.08	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.080
Xylene Mixture	µg/g	0.04 - 0.05	0.05	30	**<**	**0.08**	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	**<0.080**

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold	- Exceeds 2011 Table 1 SCS
Bold	- Exceeds 2011 Table 2 SCS
Bold	- Detection limit exceeds at least one of 2011 Table 1, 2 SCS

"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 8: Metals and Hydride-Forming Metals Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)		Maximum Concentration	MW102-20	MW106-20	MW106-20	MW107-20
					Sample Location		MW102-20	MW106-20	MW106-20	MW107-20
					Sample Name		MW102-20	MW106-20	MW1106-20	MW107-20
					Lab Job #		C0U0259	C0U0259	C0U0259	C0U0259
					Laboratory ID		ODI871	ODI872	ODI874	ODI873
					Sampling Date		11-Nov-2020	11-Nov-2020	11-Nov-2020	11-Nov-2020
					Well Screen Interval (m bgs)					
									Field Duplicate	
Metals and Hydride-Forming Metals										
Antimony	µg/L	0.5	1.5	6	<	0.5	<0.50	<0.50	<0.50	<0.50
Arsenic	µg/L	1	13	25		6.5	<1.0	3.5	3.6	6.5
Barium	µg/L	2	610	1000		190	100	190	190	140
Beryllium	µg/L	0.4	0.5	4	<	0.4	<0.40	<0.40	<0.40	<0.40
Boron	µg/L	10	1700	5000		62	39	47	48	62
Cadmium	µg/L	0.09	0.5	2.7	<	0.09	<0.090	<0.090	<0.090	<0.090
Chromium	µg/L	5	11	50	<	5	<5.0	<5.0	<5.0	<5.0
Cobalt	µg/L	0.5	3.8	3.8		0.65	0.65	<0.50	<0.50	<0.50
Copper	µg/L	0.9	5	87		2.2	2.2	0.93	<0.90	<0.90
Lead	µg/L	0.5	1.9	10	<	0.5	<0.50	<0.50	<0.50	<0.50
Molybdenum	µg/L	0.5	23	70		3	2.9	1.5	1.4	3
Nickel	µg/L	1	14	100		1.7	1.7	<1.0	<1.0	<1.0
Selenium	µg/L	2	5	10	<	2	<2.0	<2.0	<2.0	<2.0
Silver	µg/L	0.09	0.3	1.5	<	0.09	<0.090	<0.090	<0.090	<0.090
Thallium	µg/L	0.05	0.5	2	<	0.05	<0.050	<0.050	<0.050	<0.050
Uranium	µg/L	0.1	8.9	20		2.9	2.9	0.26	0.24	0.44
Vanadium	µg/L	0.5	3.9	6.2		0.7	0.7	<0.50	<0.50	0.51
Zinc	µg/L	5	160	1100	<	5	<5.0	<5.0	<5.0	<5.0
pH	pH units		NR	NR		8.11	7.6	7.82	7.98	8.11

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold - Exceeds 2011 Table 1 SCS
Bold - Exceeds 2011 Table 2 SCS
"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 9: Organochlorine Pesticides (OCs) Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW102-20	MW102-20	MW106-20	MW106-20	MW107-20
					Sample Name		MW102-20	MW102-20 Lab-Dup	MW106-20	MW1106-20	MW107-20
					Lab Job #		C0U0259	C0U0259	C0U0259	C0U0259	C0U0259
					Laboratory ID		ODI871	ODI871	ODI872	ODI874	ODI873
					Sampling Date		11-Nov-2020	11-Nov-2020	11-Nov-2020	11-Nov-2020	11-Nov-2020
					Well Screen Interval (m bgs)						
					Maximum Concentration			Laboratory Duplicate		Field Duplicate	
Organochlorine Pesticides (OCs)											
Aldrin	µg/L	0.005	0.01	0.35	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
alpha-Chlordane	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
gamma-Chlordane	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlordane (Total)	µg/L	0.005	0.06	7	<	0.005	<0.005	-	<0.005	<0.005	<0.005
o,p-DDD	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p,p-DDD	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o,p-DDD + p,p-DDD	µg/L	0.005	1.8	10	<	0.005	<0.005	-	<0.005	<0.005	<0.005
o,p-DDE	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p,p-DDE	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o,p-DDE + p,p-DDE	µg/L	0.005	10	10	<	0.005	<0.005	-	<0.005	<0.005	<0.005
o,p-DDT	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
p,p-DDT	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
o,p-DDT + p,p-DDT	µg/L	0.005	0.05	2.8	<	0.005	<0.005	-	<0.005	<0.005	<0.005
Dieldrin	µg/L	0.005	0.05	0.35	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan I	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Endosulfan II	µg/L	0.005	NR	NR	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Endosulfan	µg/L	0.005	0.05	1.5	<	0.005	<0.005	-	<0.005	<0.005	<0.005
Endrin	µg/L	0.005	0.05	0.48	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor	µg/L	0.005	0.01	1.5	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Heptachlor epoxide	µg/L	0.005	0.01	0.048	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobenzene	µg/L	0.005	0.01	1	<	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	µg/L	0.009	0.01	0.6	<	0.009	<0.009	<0.009	<0.009	<0.009	<0.009
gamma-Hexachlorocyclohexane (Lindane)	µg/L	0.003	0.01	1.2	<	0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Hexachloroethane	µg/L	0.01	0.01	2.1	<	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	µg/L	0.01	0.05	6.5	<	0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold - Exceeds 2011 Table 1 SCS
Bold - Exceeds 2011 Table 2 SCS
"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 10: Petroleum Hydrocarbons (PHCs) Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW102-20	MW106-20	MW107-20
					Sample Name		MW102-20	MW106-20	MW107-20
					Lab Job #		C0U0259	C0U0259	C0U0259
					Laboratory ID		ODI871	ODI872	ODI873
					Sampling Date		11-Nov-2020	11-Nov-2020	11-Nov-2020
					Well Screen Interval (m bgs)				
					Maximum Concentration				
Petroleum Hydrocarbons (PHCs)									
F1 (C6 to C10)	µg/L	25	420	750	<	25	<25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	25	420	750	<	25	<25	<25	<25
F2 (C10 to C16)	µg/L	100	150	150	<	100	<100	<100	<100
F3 (C16 to C34)	µg/L	200	500	500	<	200	<200	<200	<200
F4 (C34 to C50)	µg/L	200	500	500	<	200	<200	<200	<200
Reached Baseline at C50	unitless		NR	NR		NA	YES	YES	YES

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold - Exceeds 2011 Table 1 SCS
Bold - Exceeds 2011 Table 2 SCS
"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Table 11: Benzene, Toluene, Ethylbenzene, Xylene (BTEX) Analysis in Groundwater

Parameters	Unit	RDL	2011 Table 1 SCS (R/P/I or I/C/C, Med/Fine)	2011 Table 2 SCS (I/C/C, Med/Fine)	Sample Location		MW102-20	MW106-20	MW107-20
					Sample Name		MW102-20	MW106-20	MW107-20
					Lab Job #		C0U0259	C0U0259	C0U0259
					Laboratory ID		ODI871	ODI872	ODI873
					Sampling Date		11-Nov-2020	11-Nov-2020	11-Nov-2020
					Well Screen Interval (m bgs)				
					Maximum Concentration				
Benzene, Toluene, Ethylbenzene, Xylene (BTEX)									
Benzene	µg/L	0.2	0.5	5	<	0.2	<0.20	<0.20	<0.20
Ethylbenzene	µg/L	0.2	0.5	2.4	<	0.2	<0.20	<0.20	<0.20
Toluene	µg/L	0.2	0.8	24	<	0.2	<0.20	<0.20	<0.20
o-Xylene	µg/L	0.2	NR	NR	<	0.2	<0.20	<0.20	<0.20
m+p-Xylene	µg/L	0.4	NR	NR	<	0.4	<0.40	<0.40	<0.40
Xylene Mixture	µg/L	0.4	72	300	<	0.4	<0.40	<0.40	<0.40

Notes:
2011 Site Condition Standards (SCS) - As identified in 'Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act' (as amended April 15, 2011)

Bold - Exceeds 2011 Table 1 SCS
Bold - Exceeds 2011 Table 2 SCS
"-" - parameter not analyzed
RDL - Reported detection limit
NR - Not Relevant
NV- No Value
NA - Not Applicable
"<" - Less than the Reporting Detection Limit

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Appendix A

Site Photographs

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Photograph No. 1 – View of the 12892 Dixie Road farmhouse and the car shed facing northwest from the gravel roadway.

Photograph No. 2 – View of the barn from the abandoned manure storage area facing north.

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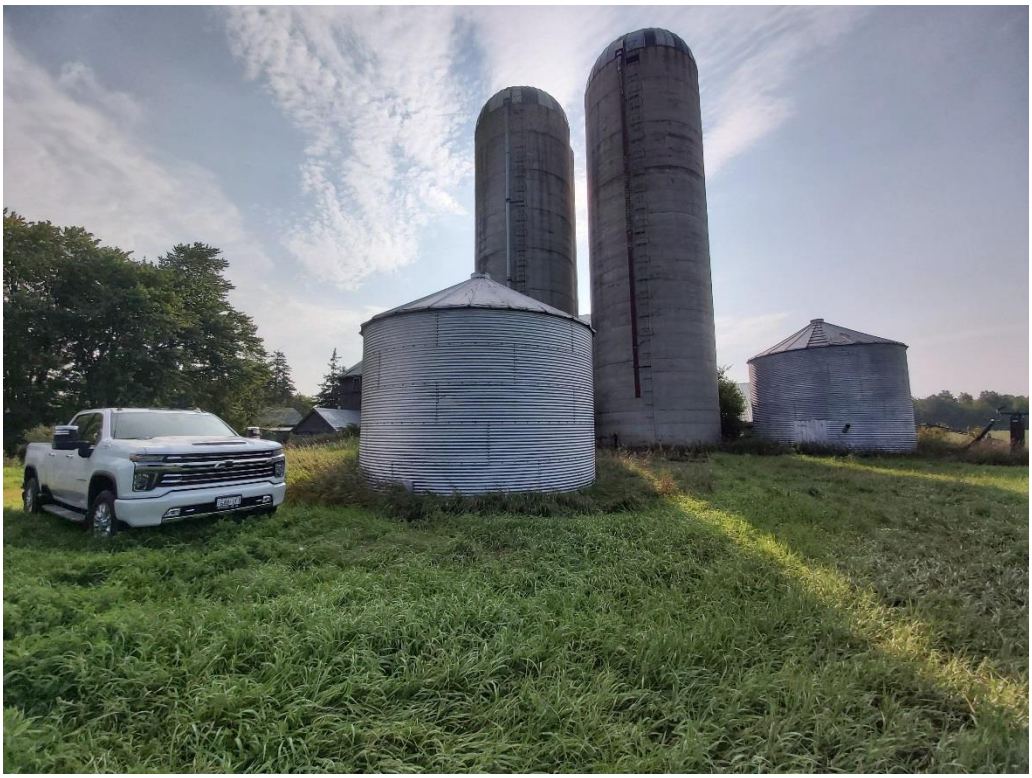
Photograph No. 3 – View of the two hay storage/machinery sheds and the tractor shed facing northwest from the gravel roadway.



Photograph No. 4 – View of the two silos and two grain bins.

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Photograph No. 5 – View of the advancement of borehole BH204-20 between the silos and sheds.

Photograph No. 6 – View of the soil stratigraphy observed at boreholes BH204-20.

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Photograph No. 7 – View of the 12824 Dixie Road residential dwelling facing west.

Photograph No. 8 – View of the location of surface soil sample SS2-20 collected under the former vent/fill pipes associated with fuel oil AST at the 12824 Dixie Road residential dwelling.

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Photograph No. 9 – View of the agricultural fields on the Site facing east from the manure storage.

Photograph No. 10 – View of the advancement of borehole MW105-20 in the agricultural fields.

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Photograph No. 11 – View of the soil stratigraphy observed at boreholes MW105-20.

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Appendix B

Borehole Logs

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ID Number: MW101-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

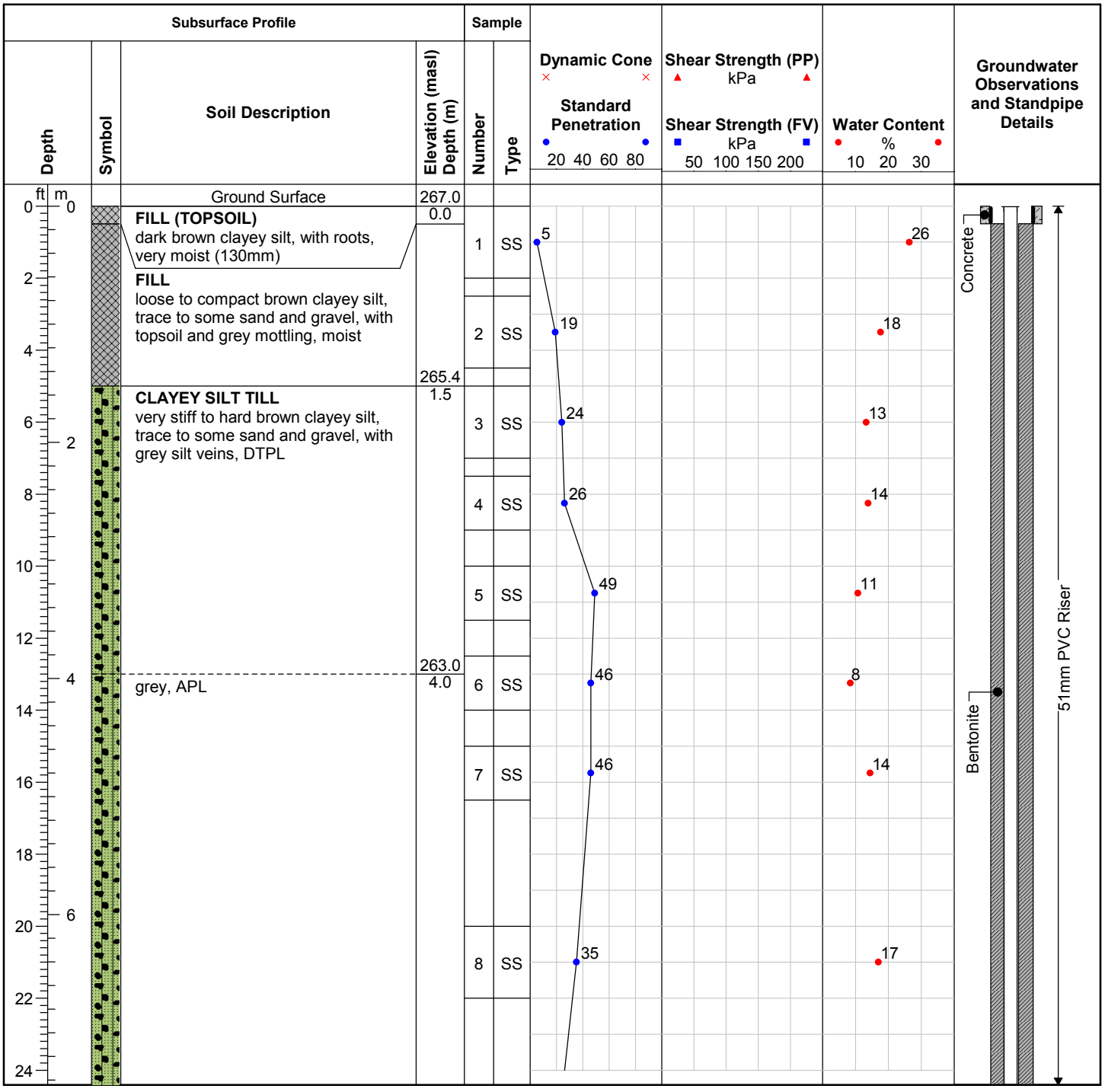
Drill Date: 10/29/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Water level measured at 7.5 mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
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Feb 26, 2021

ID Number: MW101-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/29/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument

Depth	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
			259.3						
		sand seams	7.6						
26	8			9	SS	20		10	
28				10	SS	29		10	
30			257.8						
		SILT AND SAND TILL compact to very dense grey silt and sand, some clay, trace gravel, very moist	9.1	11	SS	19		10	
32	10								
34				12	SS	96/180mm		1	
			256.3						
36		**SANDY SILT TILL** very dense sandy silt, some clay and gravel, wet	10.7	13	SS	50/125mm		9	
38				14	SS	50/75mm		13	
	12		254.9						
40		Drilling Terminated	12.0						
42									
44									
46	14								
48									

Sand Pack

51mm Slotted Screen

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Water level measured at 7.5 mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: MW102-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/23/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: N/A

Depth (ft / m)	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type
0 / 0		Ground Surface	267.6		
		CONCRETE Concrete: 150mm	0.0	1	SS
2		**PAVEMENT STRUCTURE** ASPHALT: 150mm			
		FILL grey clayey silt, trace sand, DTPL	266.6 / 0.9	2	SS
4		brown, sandy silt, some sand, trace gravel, trace asphalt, moist	265.9		
6 / 2		**CLAYEY SILT TILL** brown clayey silt, trace to some sand and gravel, DTPL	1.7	3	SS
8		sand seam	265.0 / 2.6	4	SS
10		**SANDY SILT TILL** brown sandy silt, trace to some clay, moist	264.3 / 3.3	5	SS
12 / 4		**CLAYEY SILT TILL** grey clayey silt, trace sand and gravel, DTPL to APL	263.7 / 3.8	6	SS
14			262.8		
16		**SANDY SILT TILL** brown sandy silt, some clay, very moist	4.8	7	SS
18			261.8	8	SS
20 / 6		**SAND AND GRAVEL** brown sand and gravel, wet	5.8		
		SILTY SAND brown silty sand, trace clay and gravel, wet		9	SS
22					
24				10	SS

Dynamic Cone (Standard Penetration): 10, 25, 27, 26, 71, 20, 24, 142, 117

Shear Strength (PP) kPa / Shear Strength (FV) kPa: 20 40 60 80 / 50 100 150 200

Water Content %: 10 20 30

Groundwater Observations and Standpipe Details: Concrete; Bentonite; Sand Pack; 51mm PVC Riser; 51mm Slotted Screen

Field Technician: SKC

Drafted by: SKC

Reviewed by: B. Thorner

Water level measured at 7.3mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
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Feb 26, 2021

ID Number: MW102-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/23/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: N/A

Depth	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
			259.9						
8		**SILT** grey silt, some clay, wet	7.6	11	SS	59			
			259.3						
		Drilling Terminated	8.2						

26 28 30 32 34 36 38 40 42 44 46 48

10 12 14

Field Technician: SKC

Drafted by: SKC

Reviewed by: B. Thorner

MTE

Sheet: 2 of 2

Water level measured at 7.3mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: MW103-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

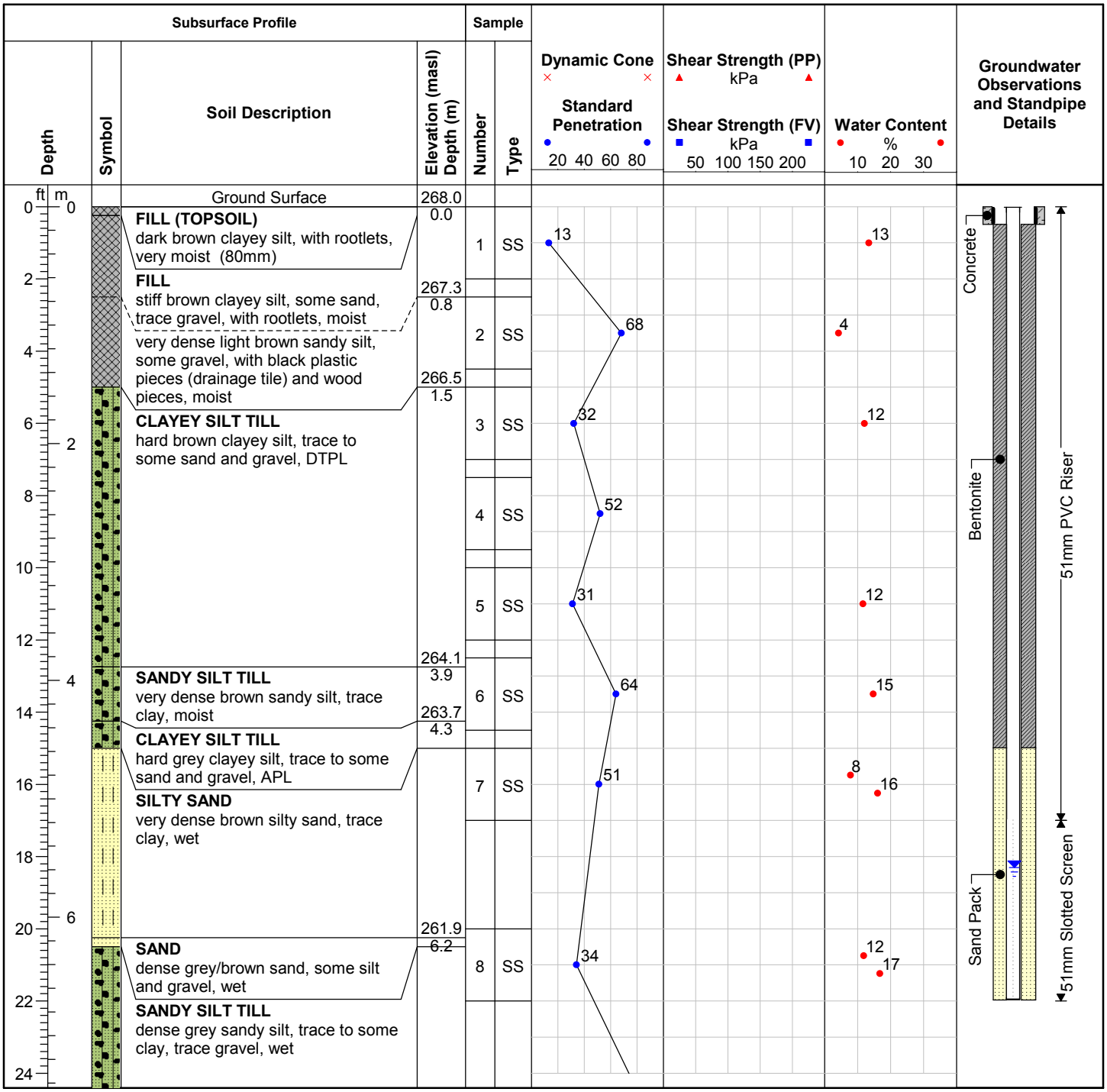
Drill Date: 10/19/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Water level measured at 5.6mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
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Feb 26, 2021

ID Number: MW103-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/19/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument

Depth	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
			260.4						
26	8	**CLAYEY SILT TILL** hard grey clayey silt, trace sand, APL to WTPL	7.6	9	SS	100/230mm		19	
28									
30		with silt seams	258.9 9.1	10	SS	91/280mm		16	
32	10								
34									
36				11	SS	78		25	
			256.7						
38		Drilling Terminated	11.3						
40	12								
42									
44									
46	14								
48									

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Water level measured at 5.6mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: MW104-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

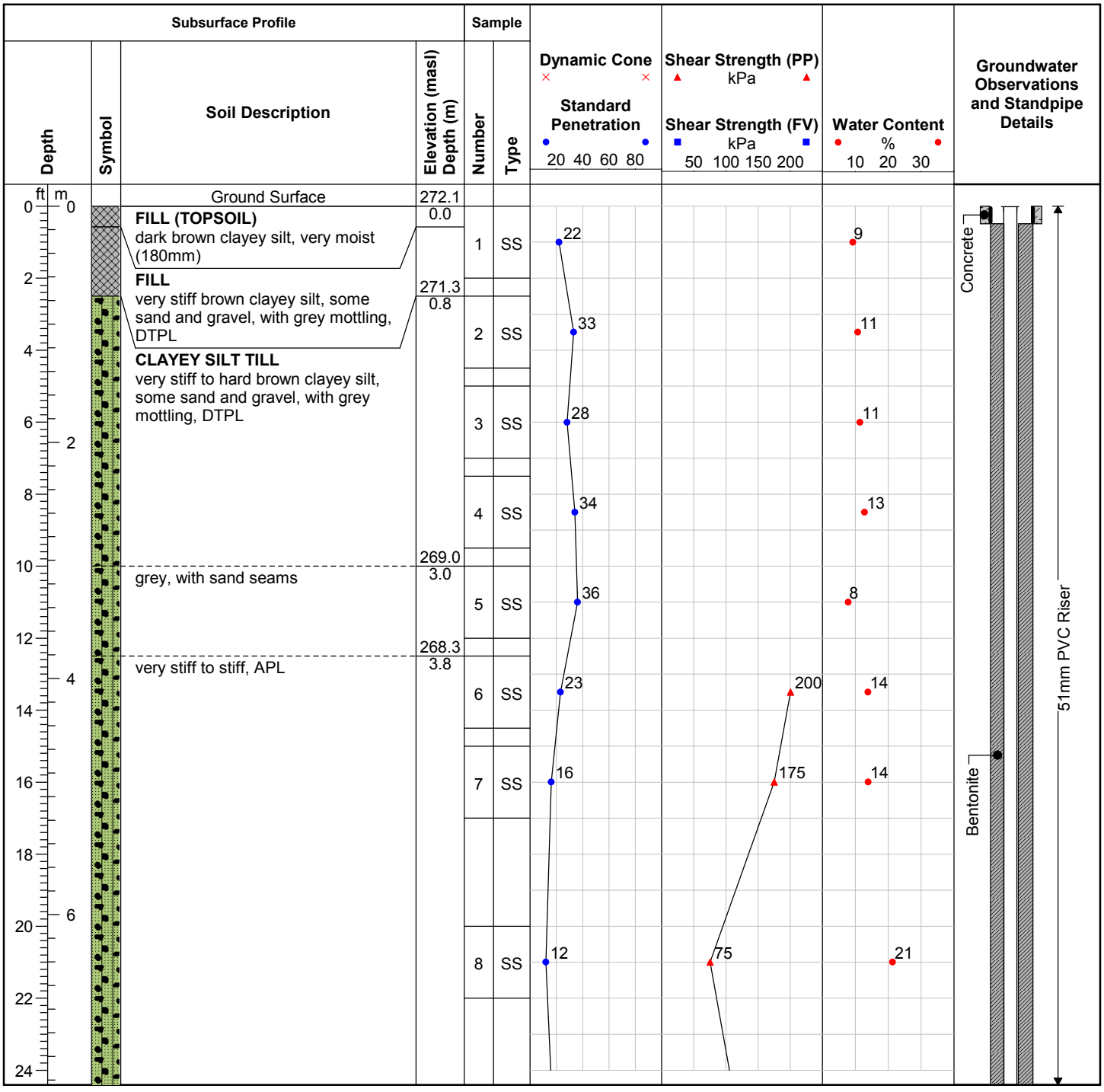
Drill Date: 10/21/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

No water level measured as borehole was dry on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: MW104-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

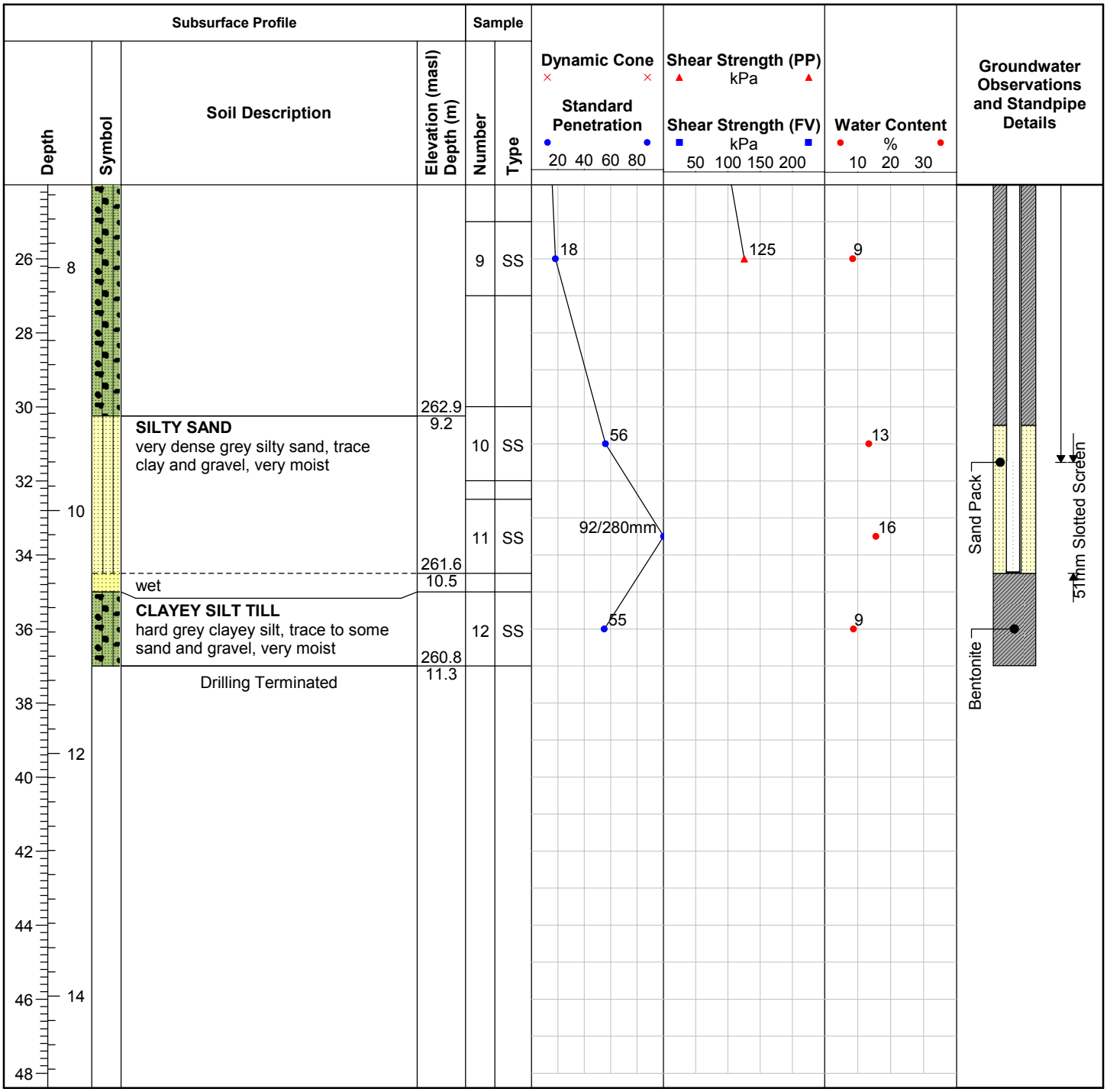
Drill Date: 10/21/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 2 of 2

No water level measured as borehole was dry on Dec 14, 2020

TOWN OF CALEDON
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Feb 26, 2021

ID Number: MW105-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

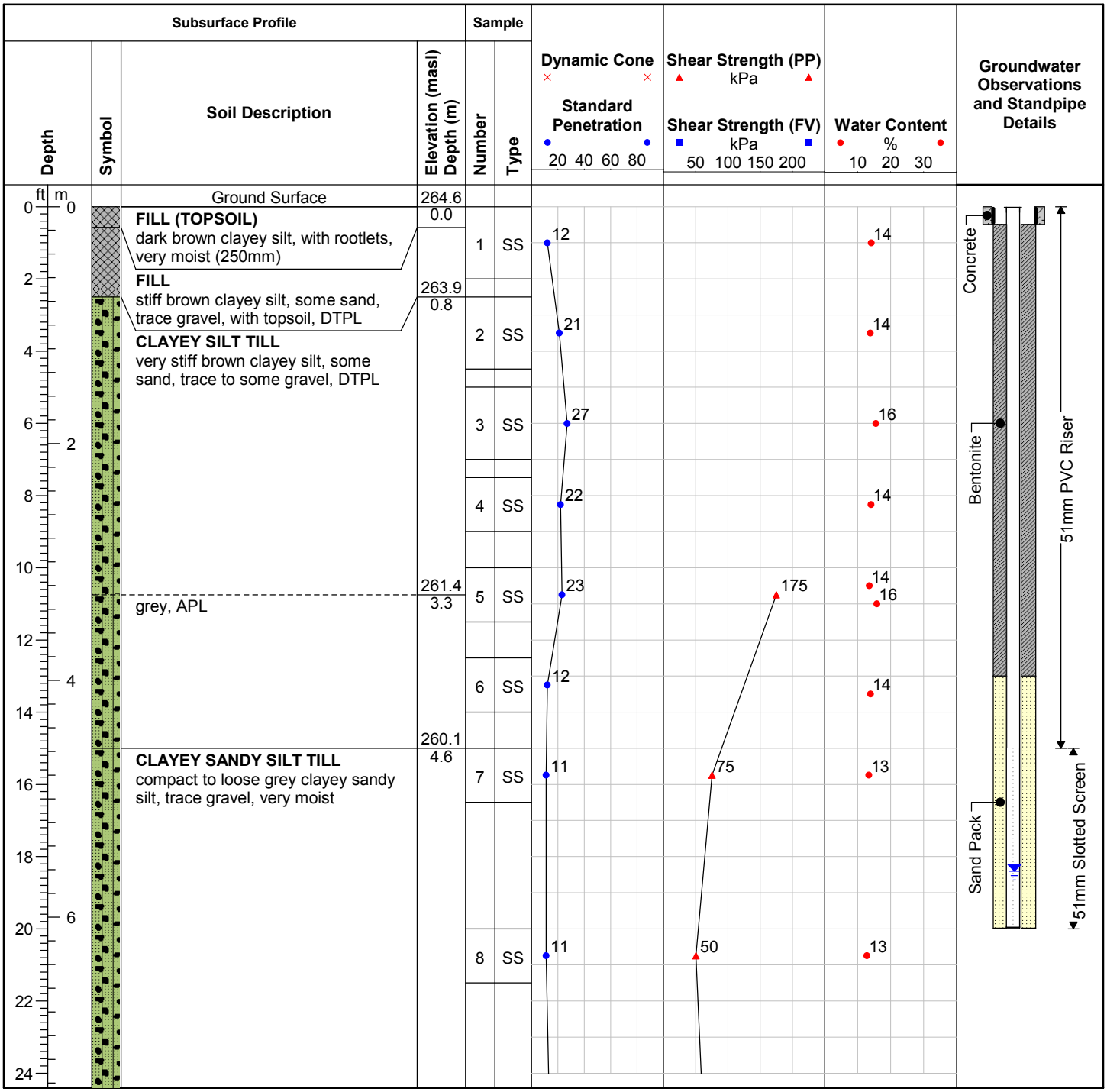
Drill Date: 10/28/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Water level measured at 5.6 mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
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Feb 26, 2021

ID Number: MW105-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/28/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument

Depth	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
26									
8									
28				9	SS	14		13	
30				10	SS	12		14	
32				11	SS	10	75	17	
10									
34				12	SS	9	75	14	
36				13	SS	13		15	
			253.4						
		Drilling Terminated	11.3						
38									
12									
40									
42									
44									
46									
14									
48									

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Water level measured at 5.6 mbgs on Dec 14, 2020

TOWN OF CALEDON
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ID Number: MW106-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

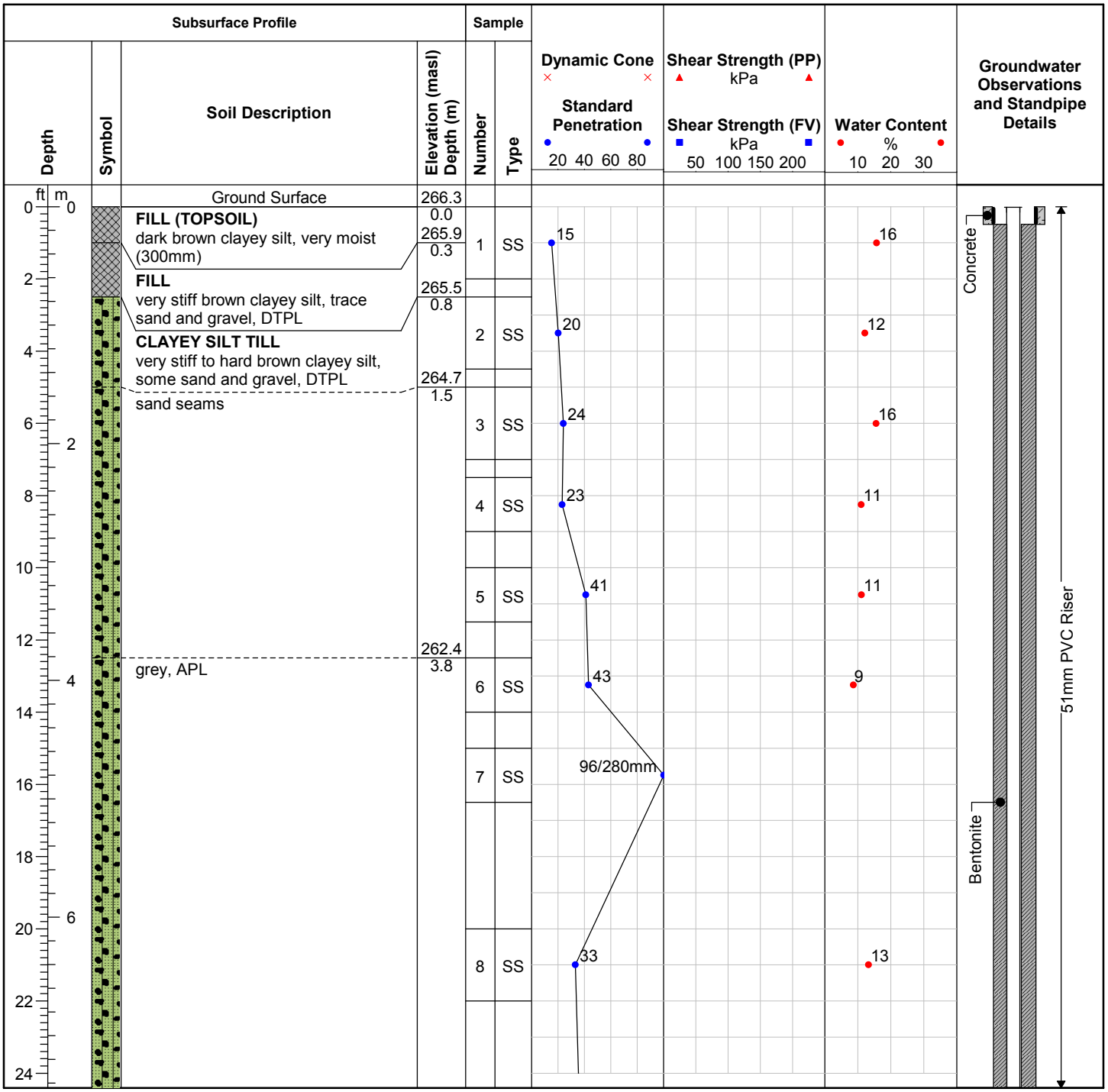
Drill Date: 10/28/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Water level measured at 8.6 mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: MW106-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

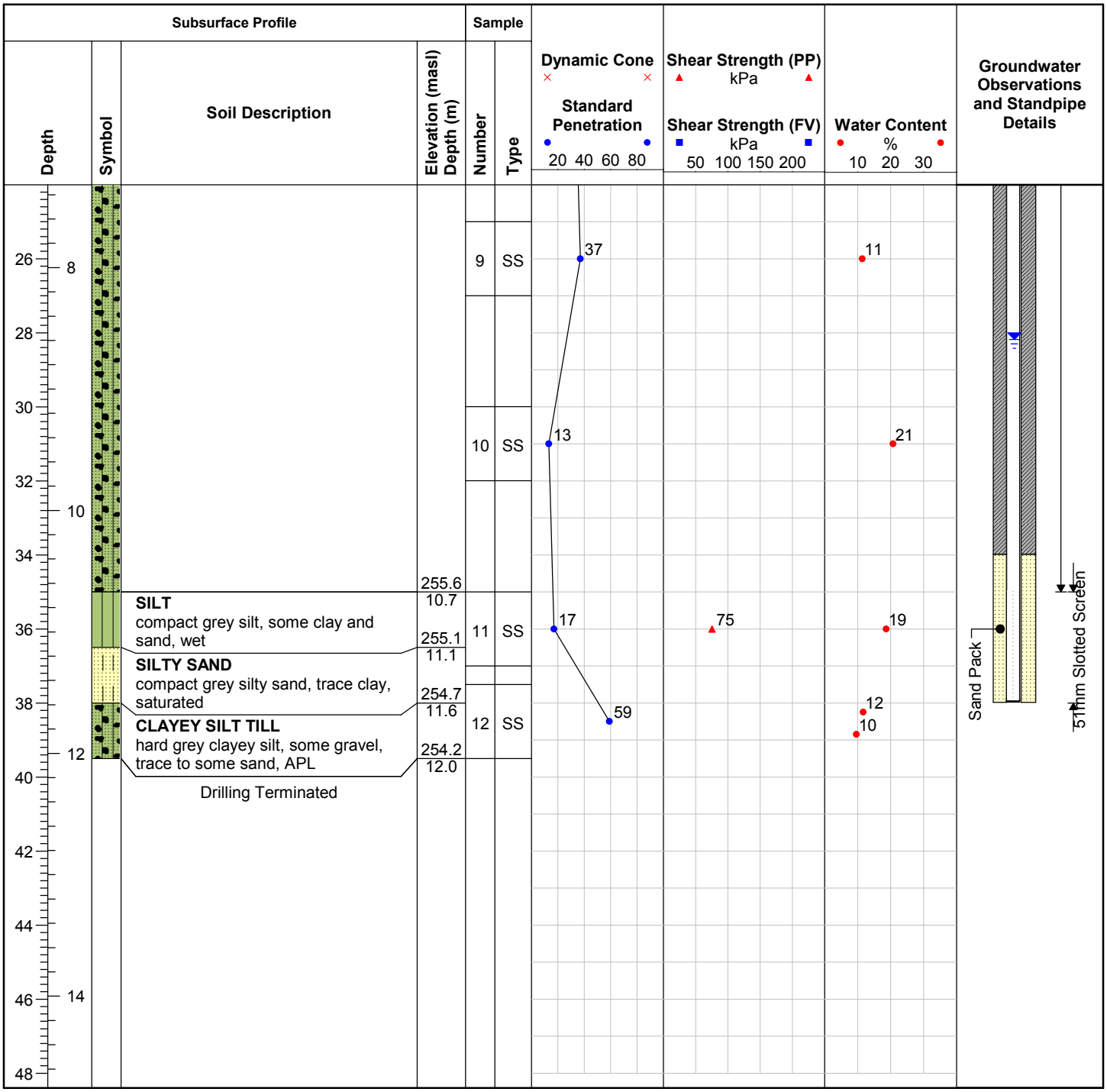
Drill Date: 10/28/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



SILT
compact grey silt, some clay and sand, wet

SILTY SAND
compact grey silty sand, trace clay, saturated

CLAYEY SILT TILL
hard grey clayey silt, some gravel, trace to some sand, APL

Drilling Terminated

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Water level measured at 8.6 mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: MW107-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

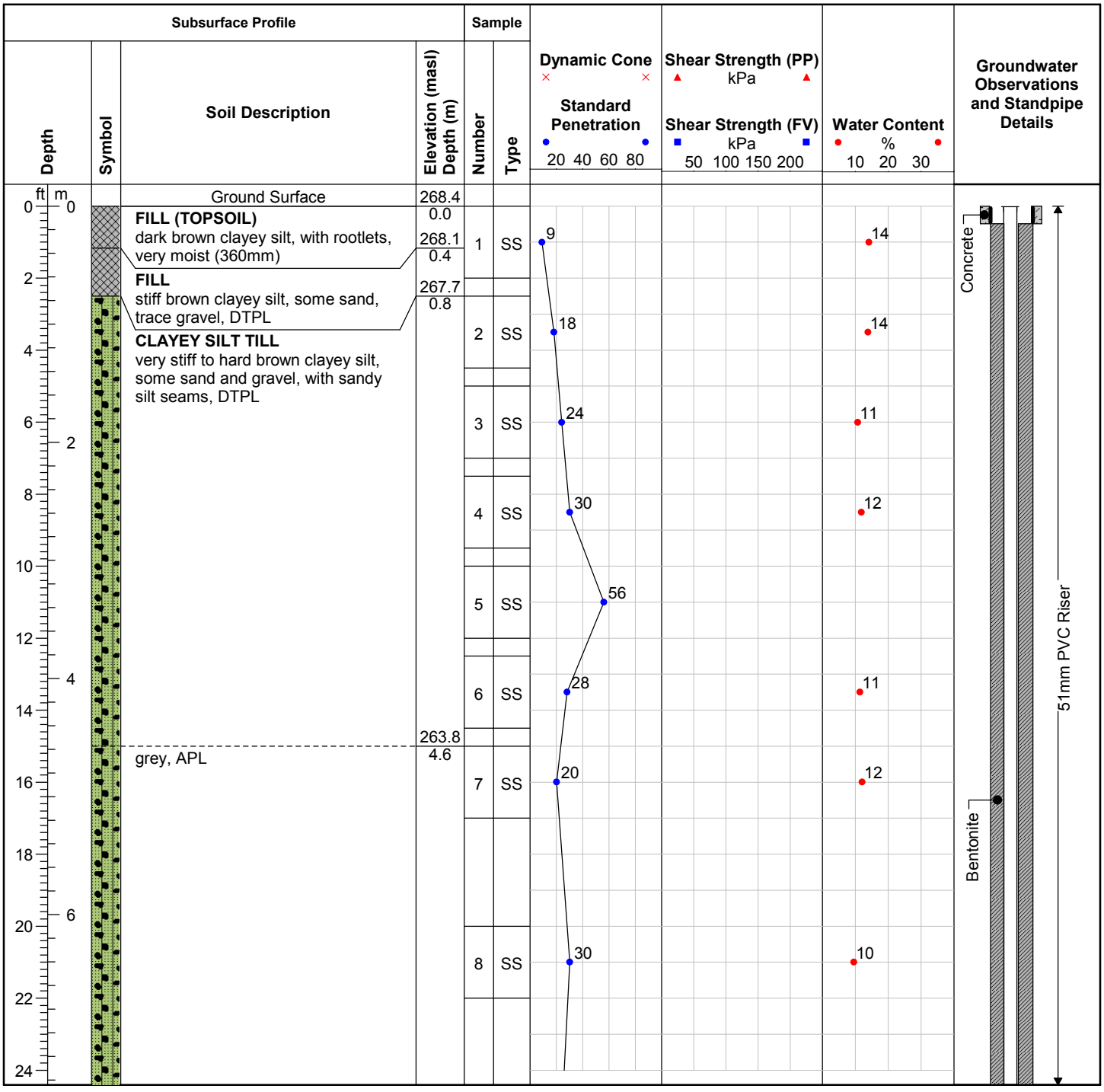
Drill Date: 10/26/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Water level measured at 8.2 mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: MW107-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/26/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover: Monument

Depth	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
26			260.5						
	8	**SILT TILL** compact to very dense grey silt, some clay, trace to some sand, very moist to wet	7.9	9	SS	23		15	
28			259.7	10	SS	89		11	
		CLAYEY SILT TILL hard to stiff grey clayey silt, trace sand and gravel, APL	8.8					7	
30				11	SS	57			
32			258.5						
	10	**SILTY SAND** compact grey silty sand, some clay, trace gravel	9.9	12	SS	13		9	
34			257.9						
		sand seams	10.5						
		GRAVELLY SAND very dense grey gravelly sand, saturated		13	SS	50/50mm		7	
36			257.0						
		CLAYEY SILT TILL hard grey clayey silt, trace to some sand and gravel, APL	11.4	14		50/100mm		12	
38	12	Drilling Terminated							
40									
42									
44									
46	14								
48									

Sand Pack

51mm Slotted Screen

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Water level measured at 8.2 mbgs on Dec 14, 2020

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH108-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

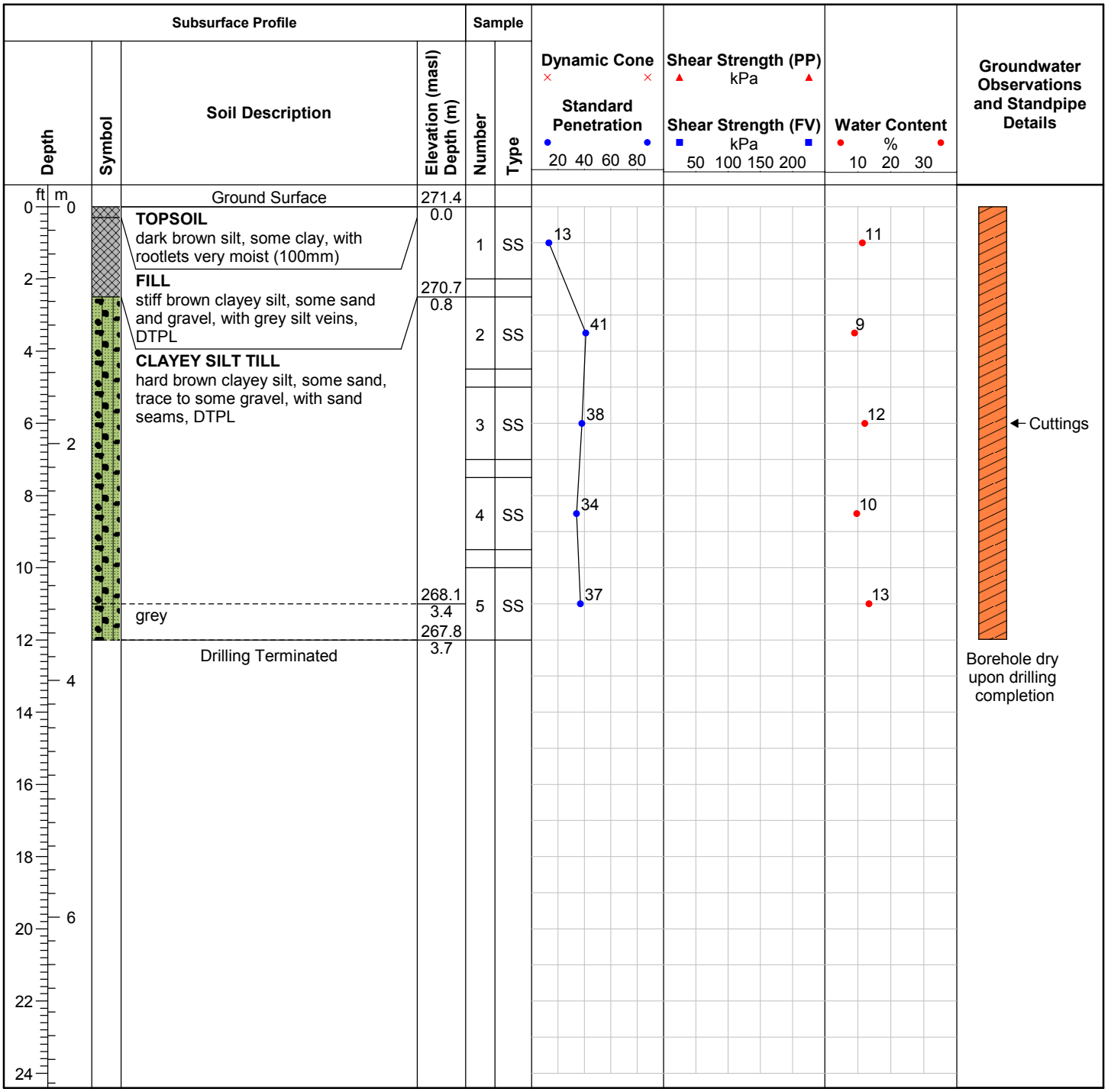
Drill Date: 10/20/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH109-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

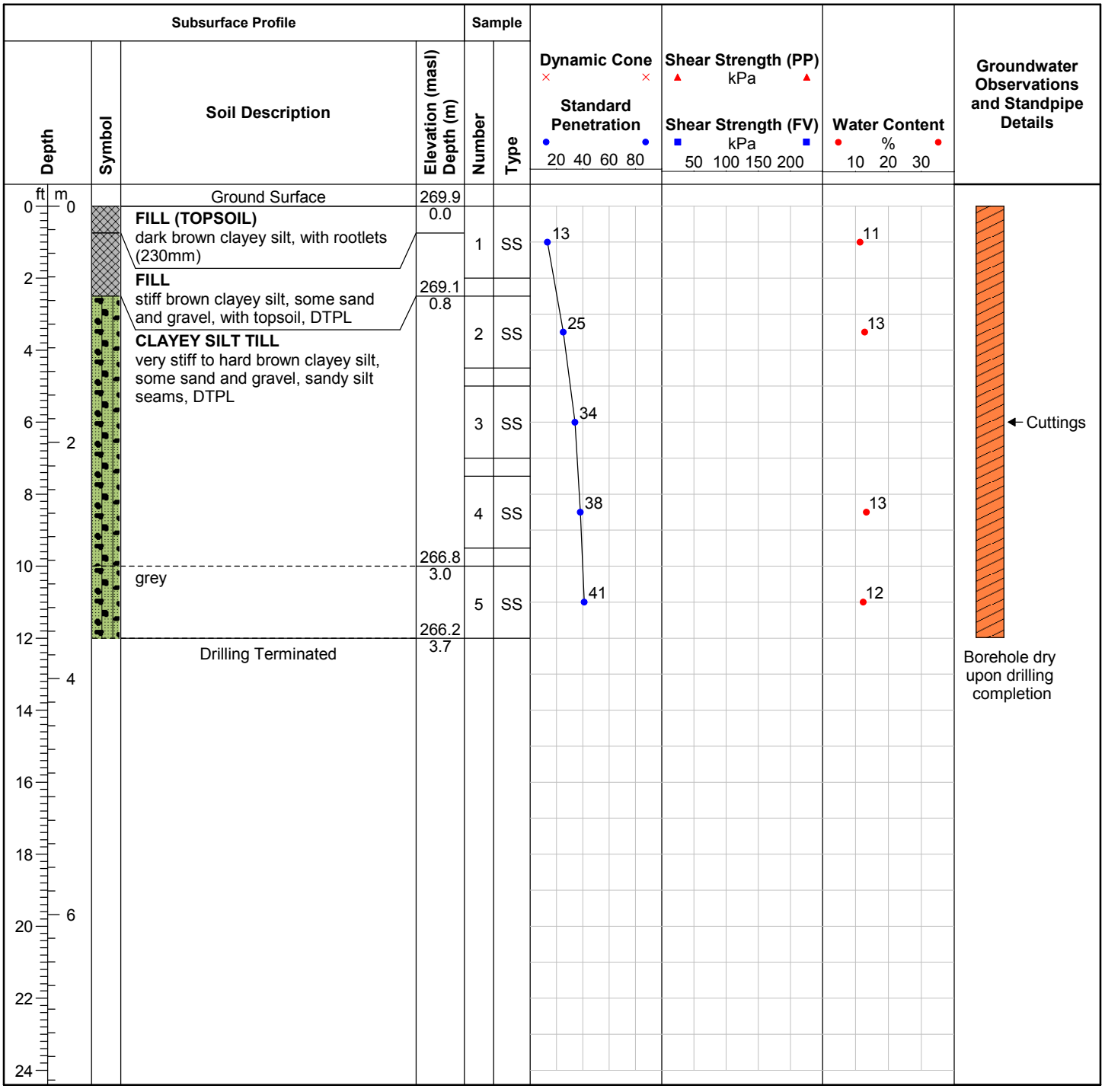
Drill Date: 10/19/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH110-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

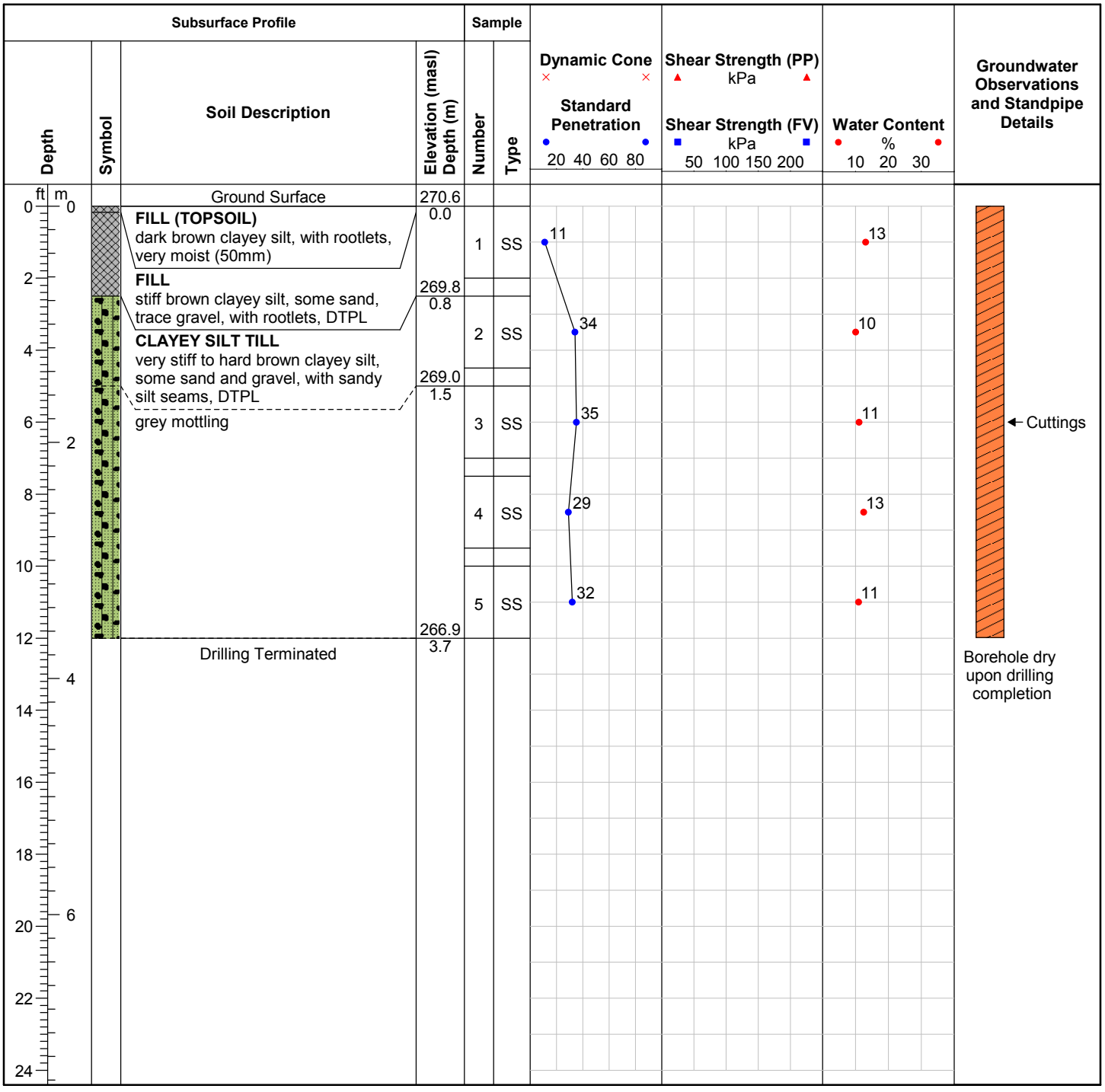
Drill Date: 10/19/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH111-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

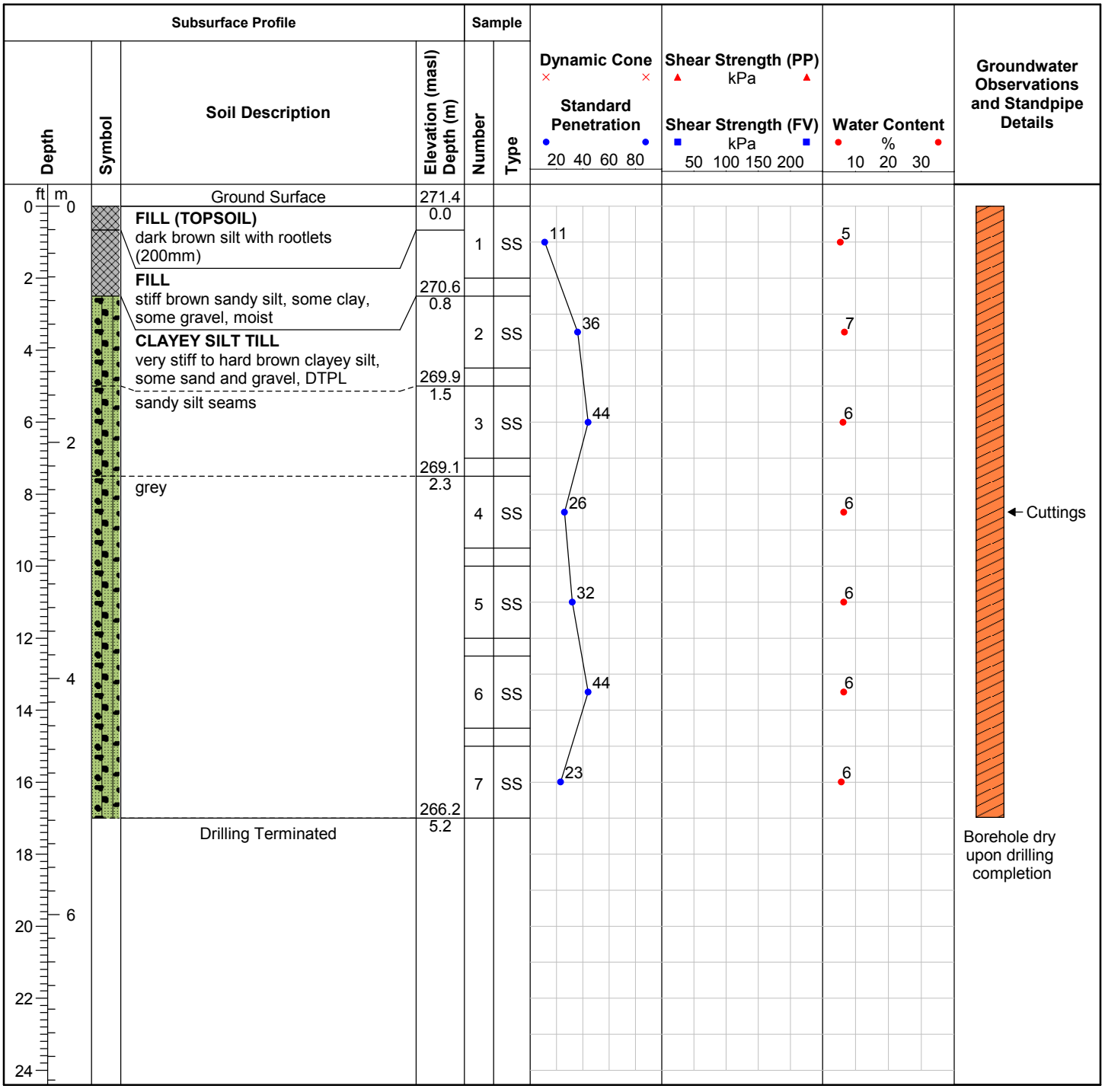
Drill Date: 10/20/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH112-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

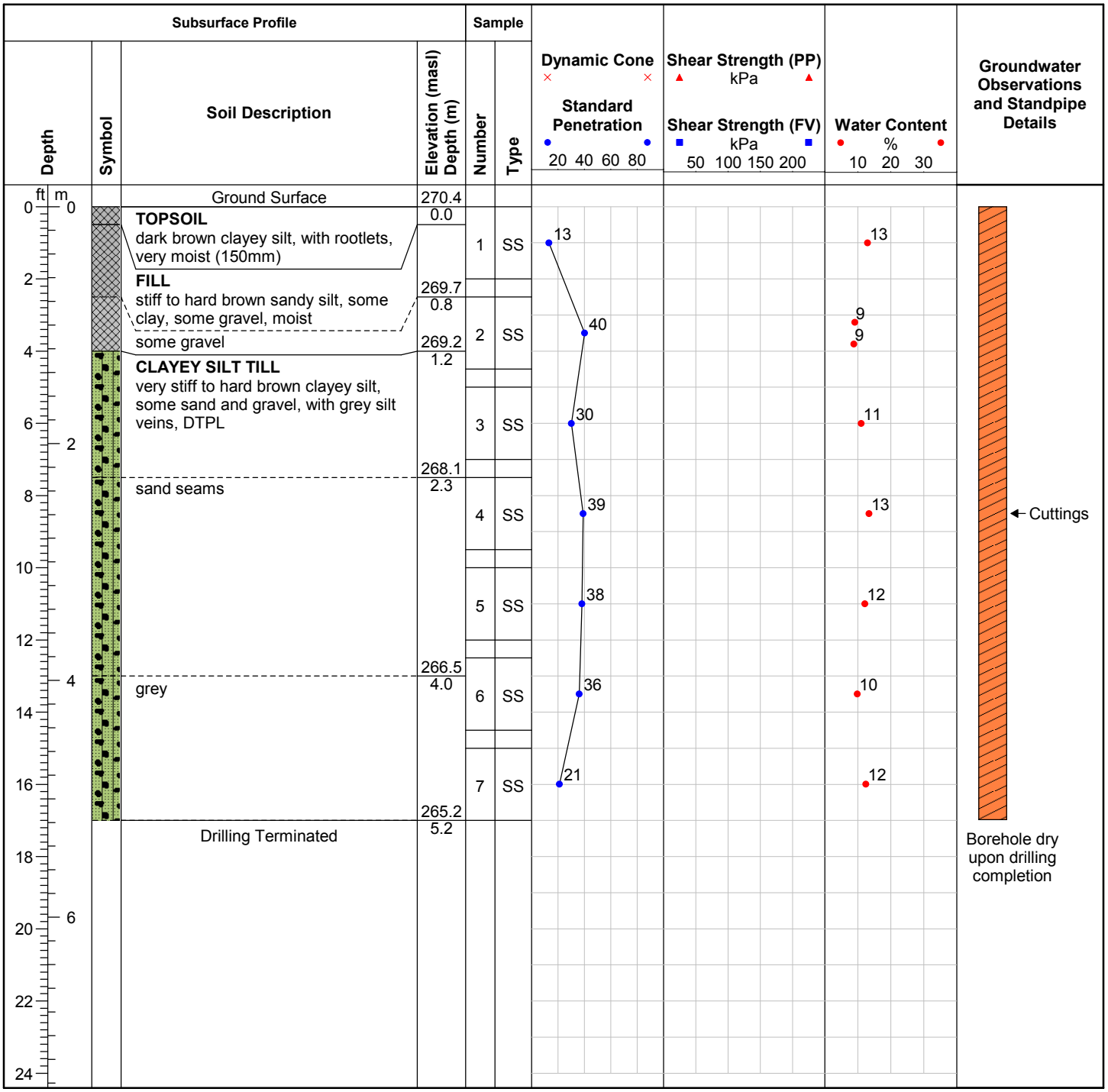
Drill Date: 10/20/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH113-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

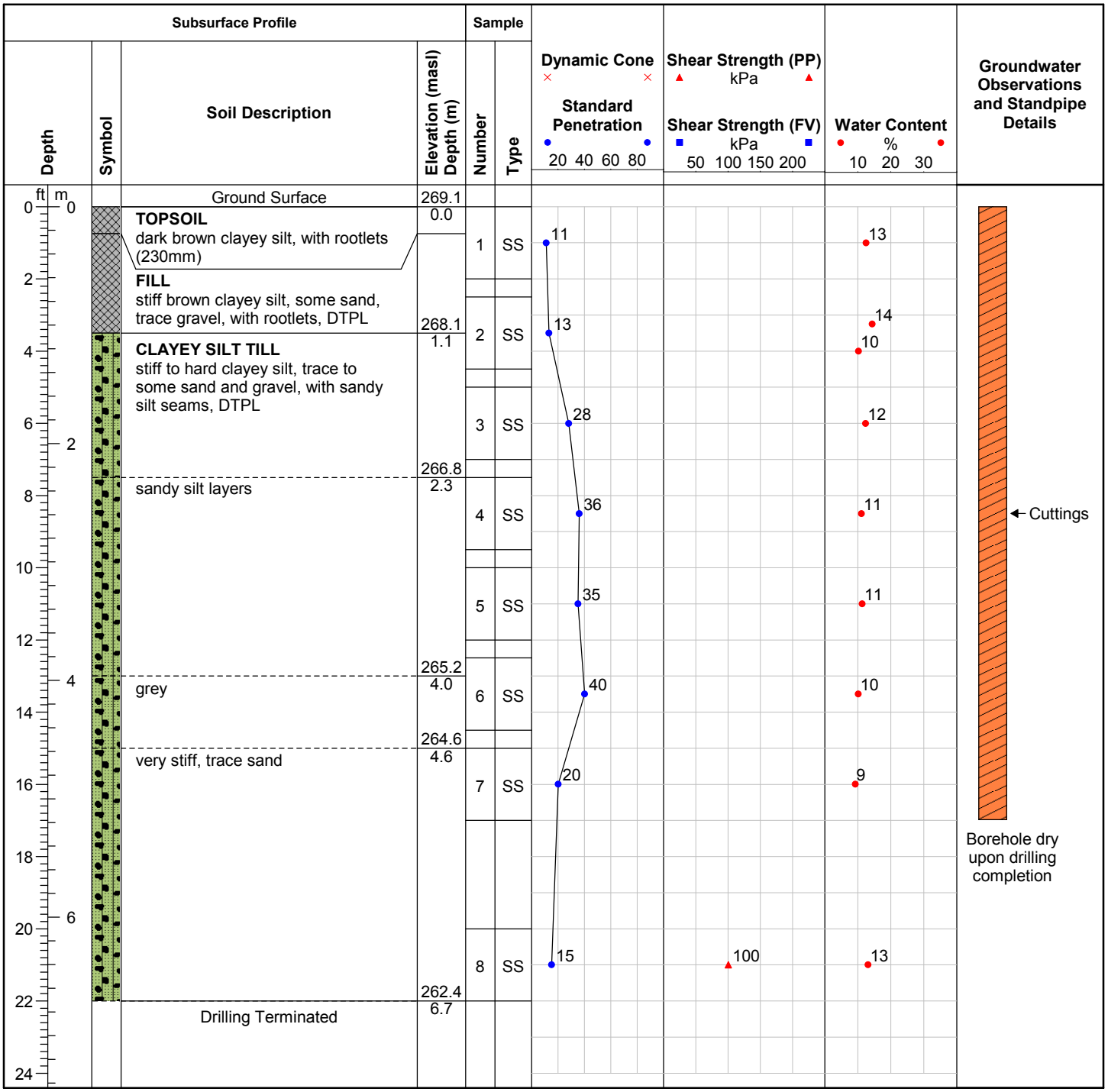
Drill Date: 10/20/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH114-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

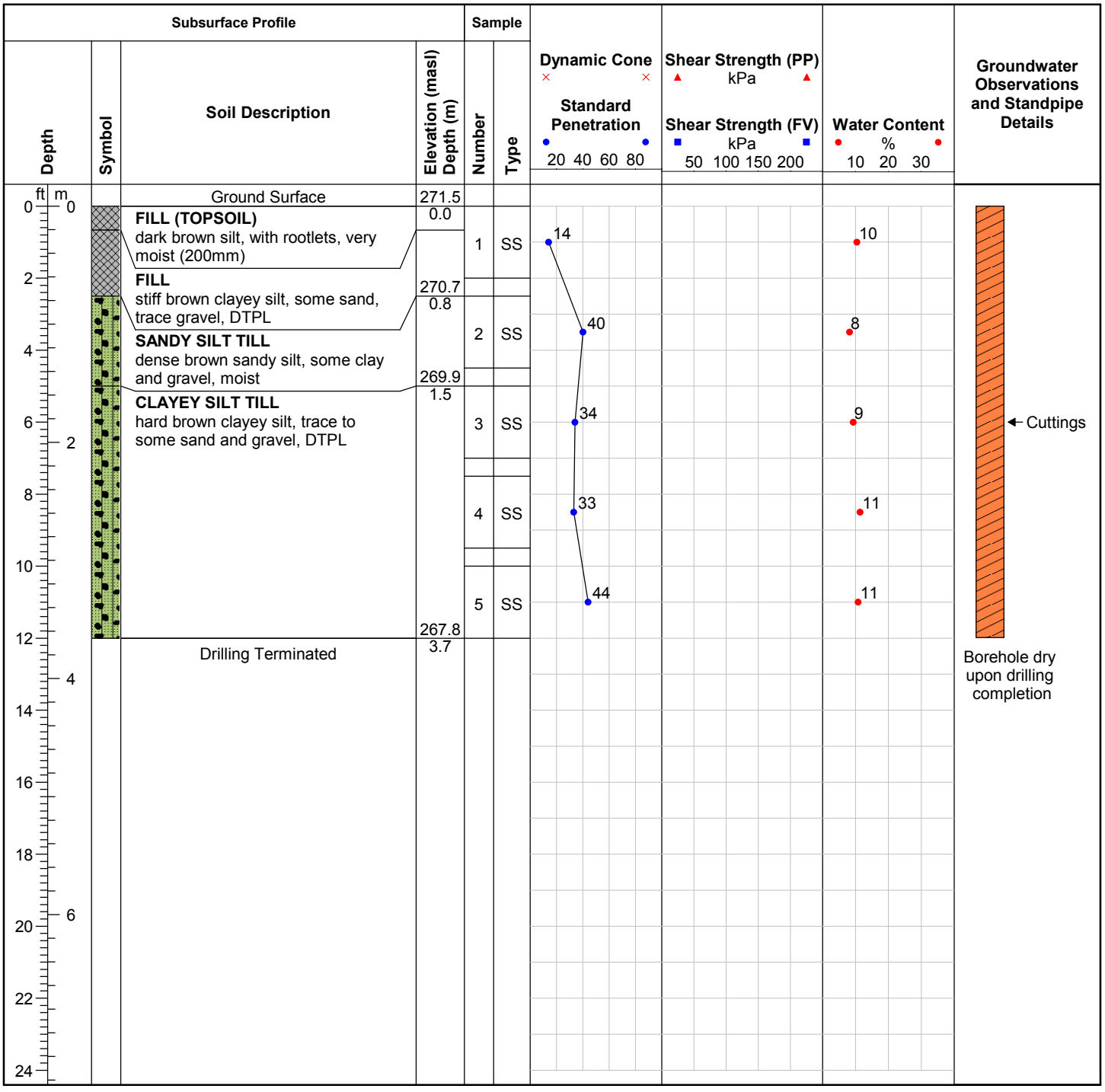
Drill Date: 10/21/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH115-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

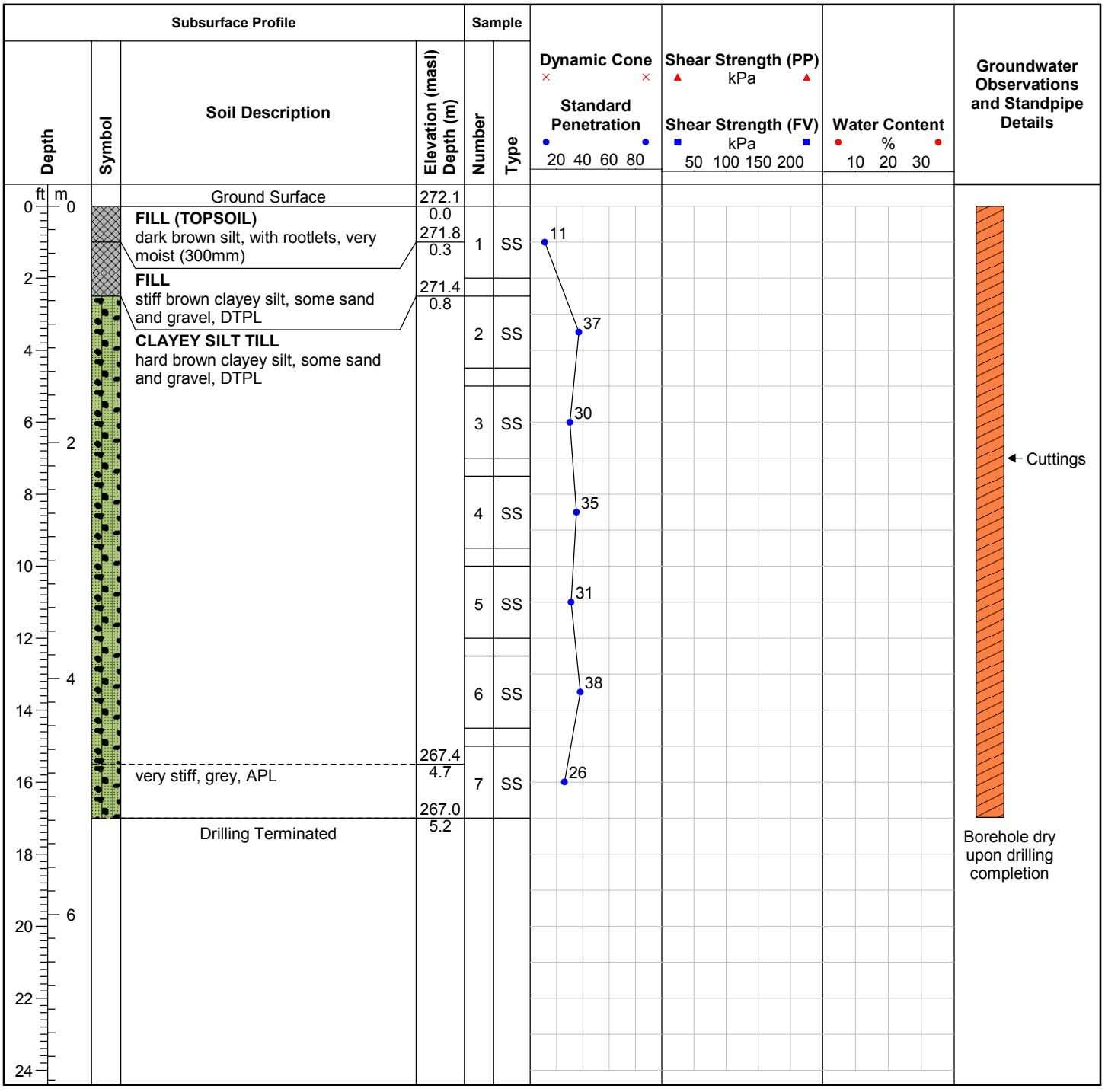
Drill Date: 10/21/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH116-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

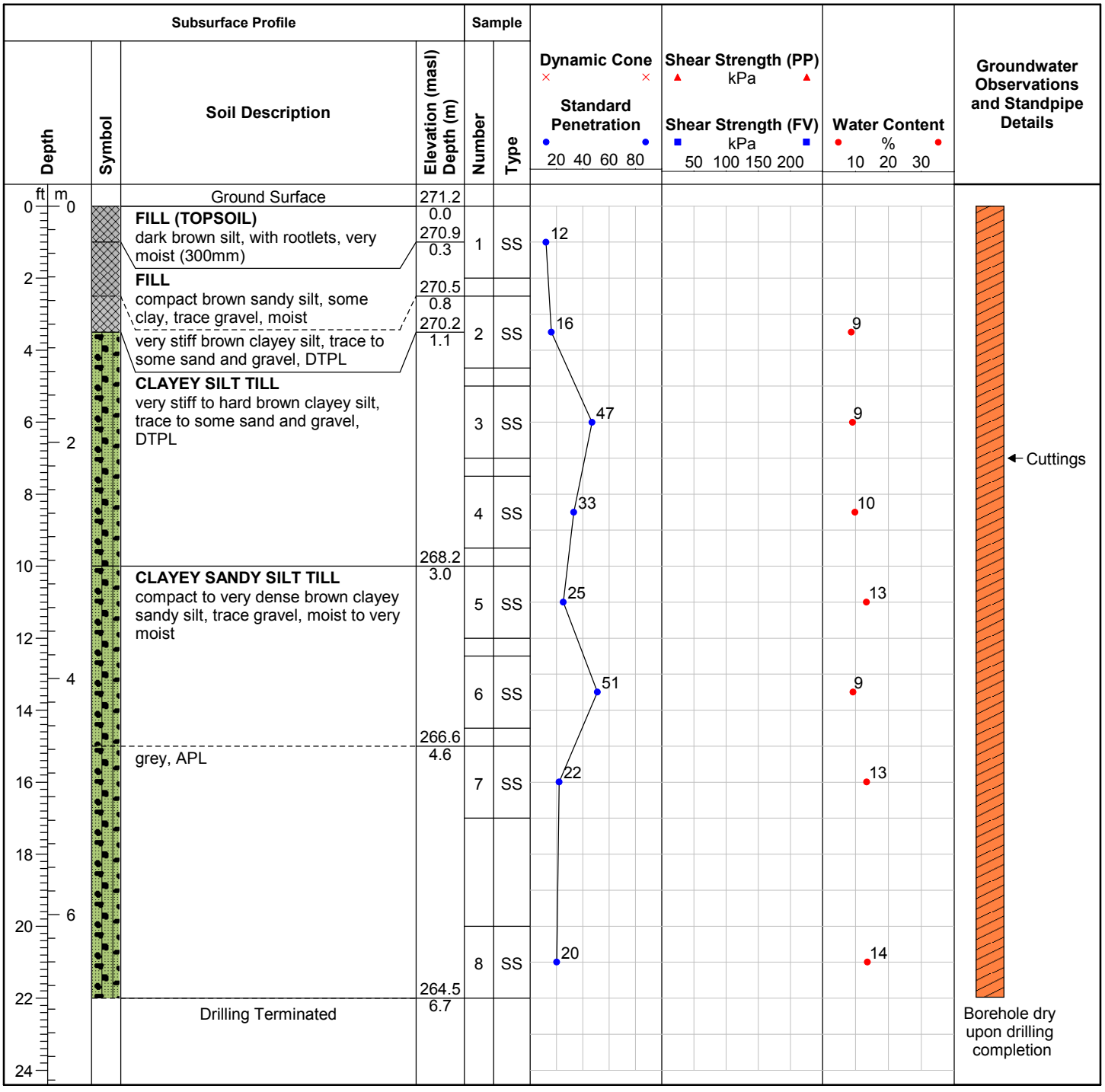
Drill Date: 10/21/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH117-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

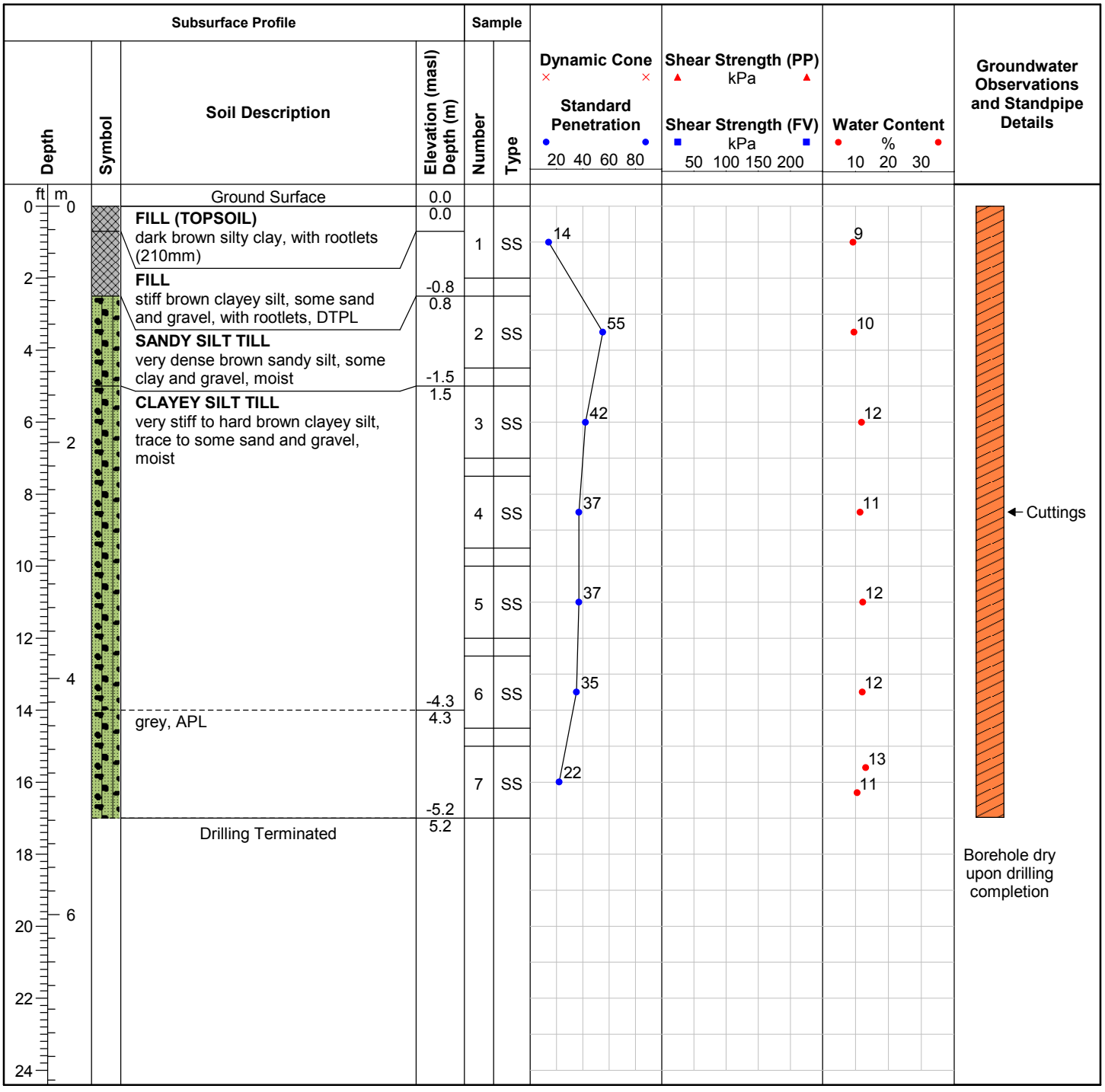
Drill Date: 10/22/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH118-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

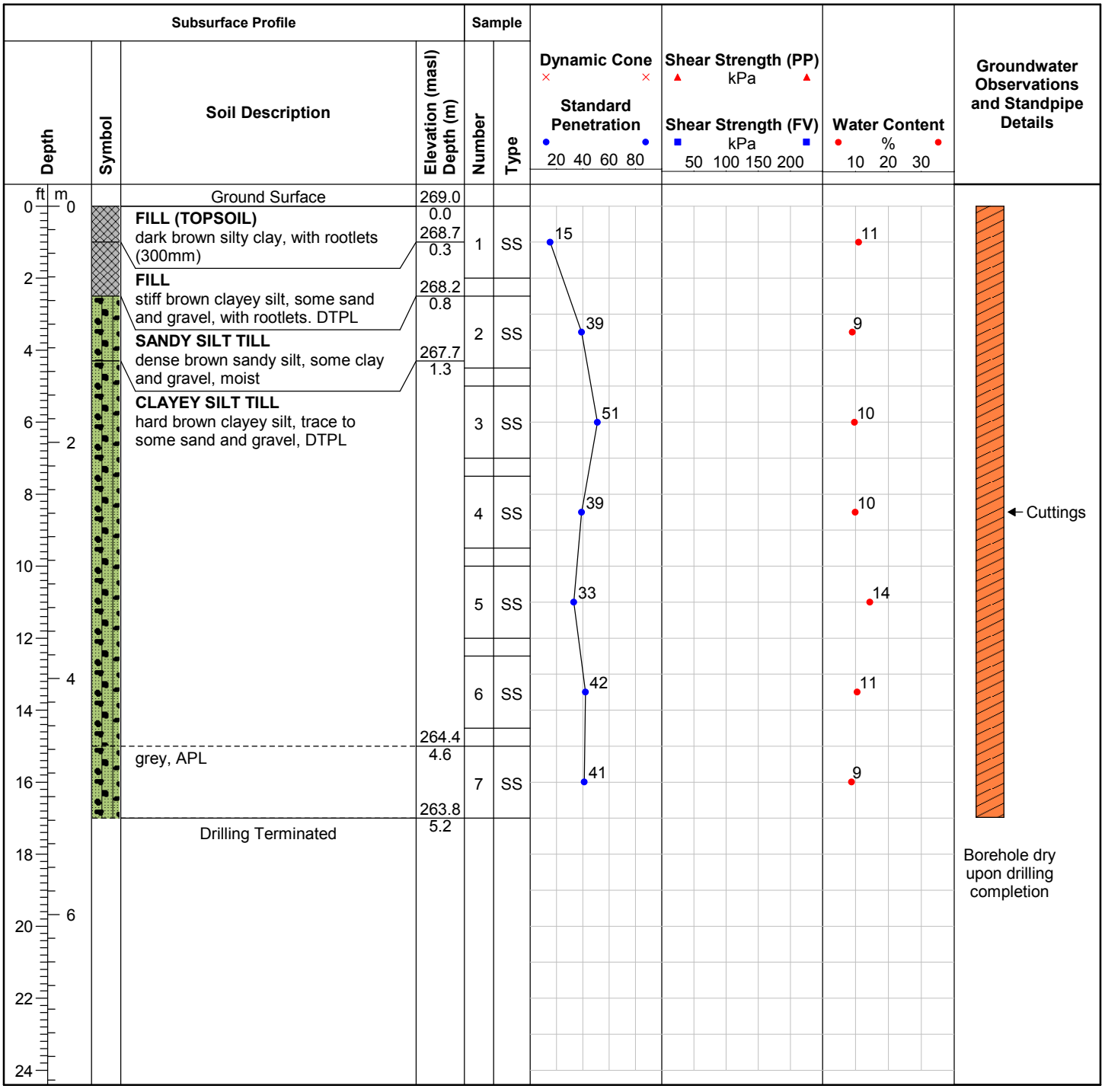
Drill Date: 10/22/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH119-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

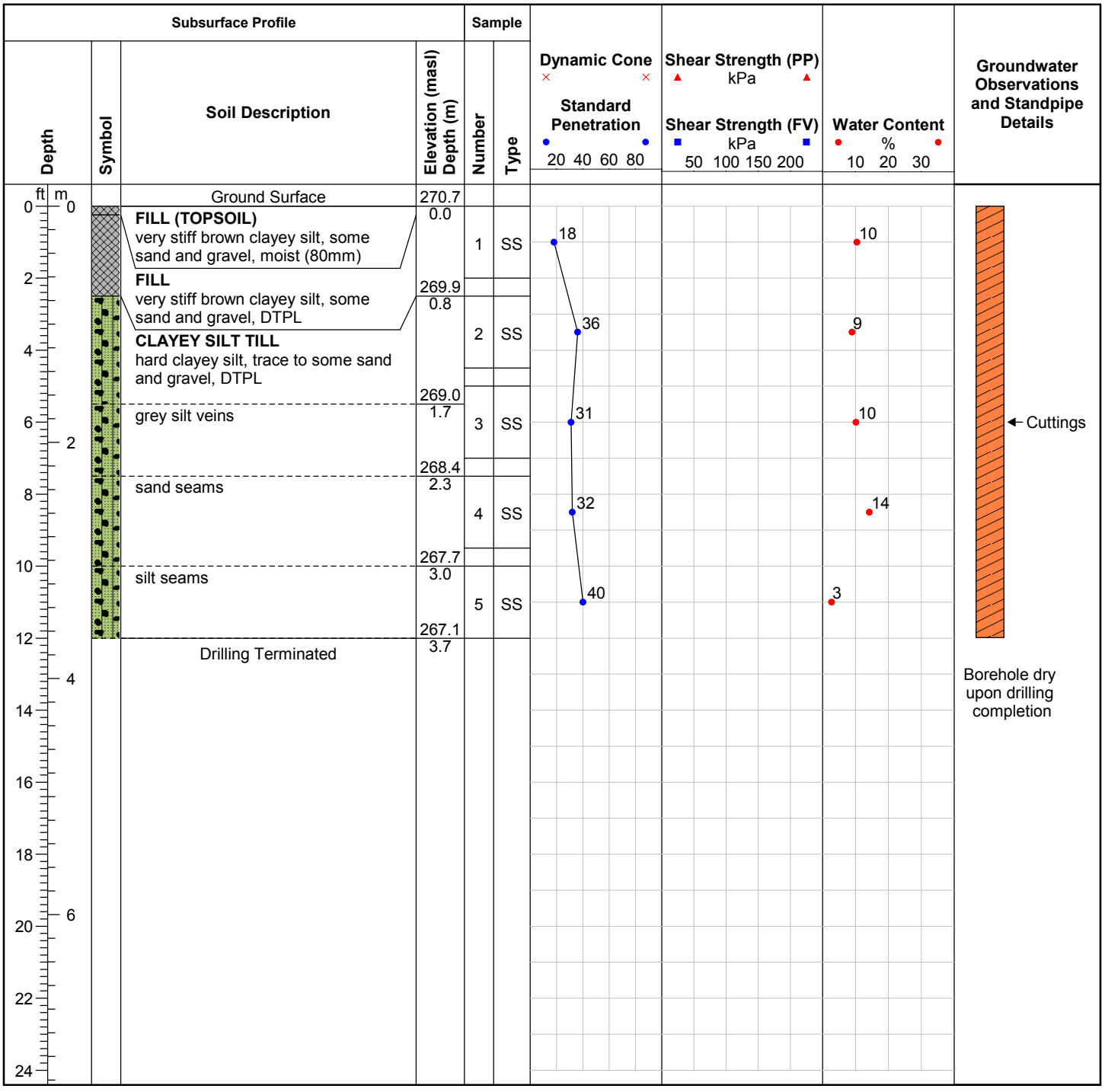
Drill Date: 10/22/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH120-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

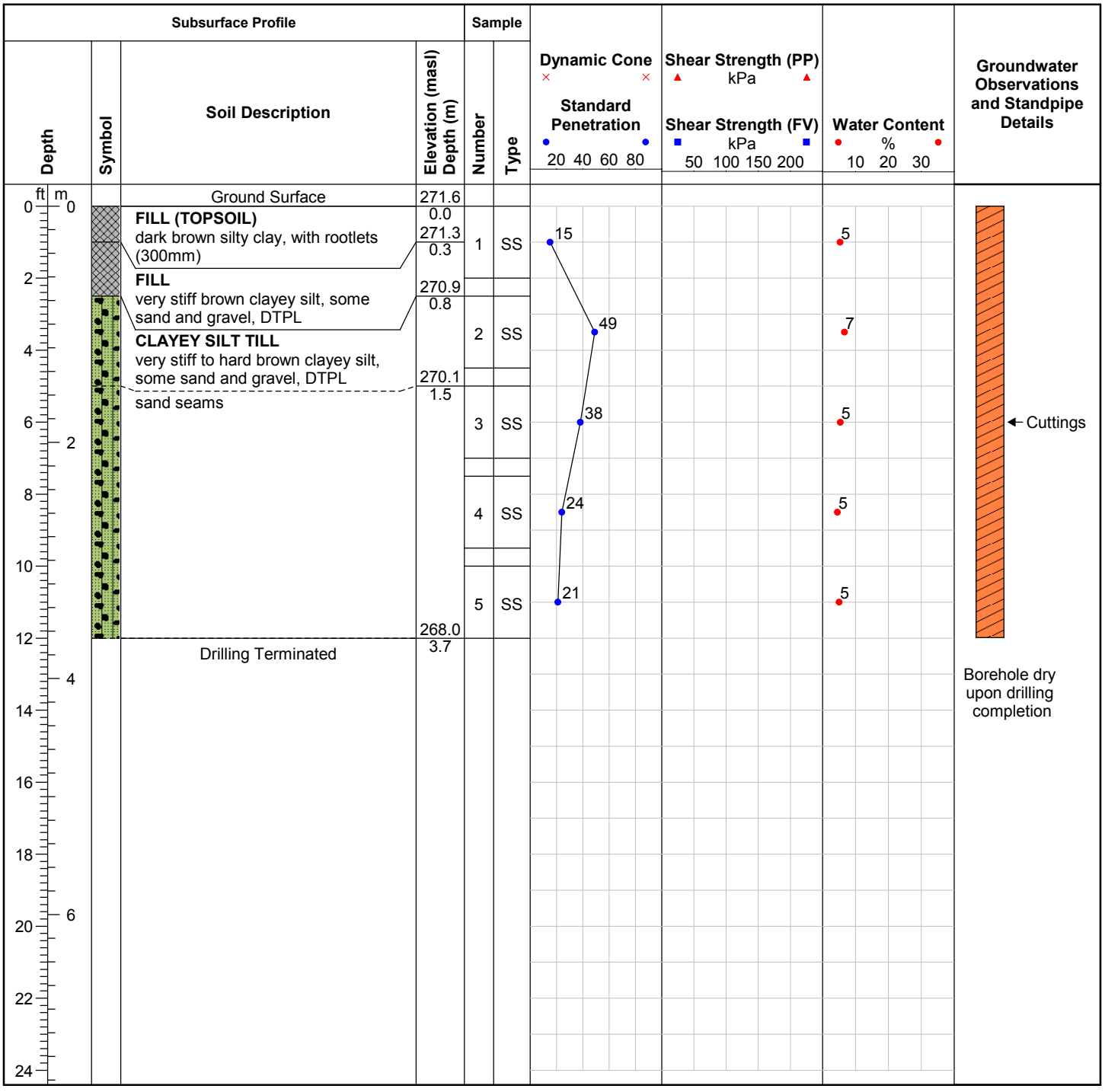
Drill Date: 10/22/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH121-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

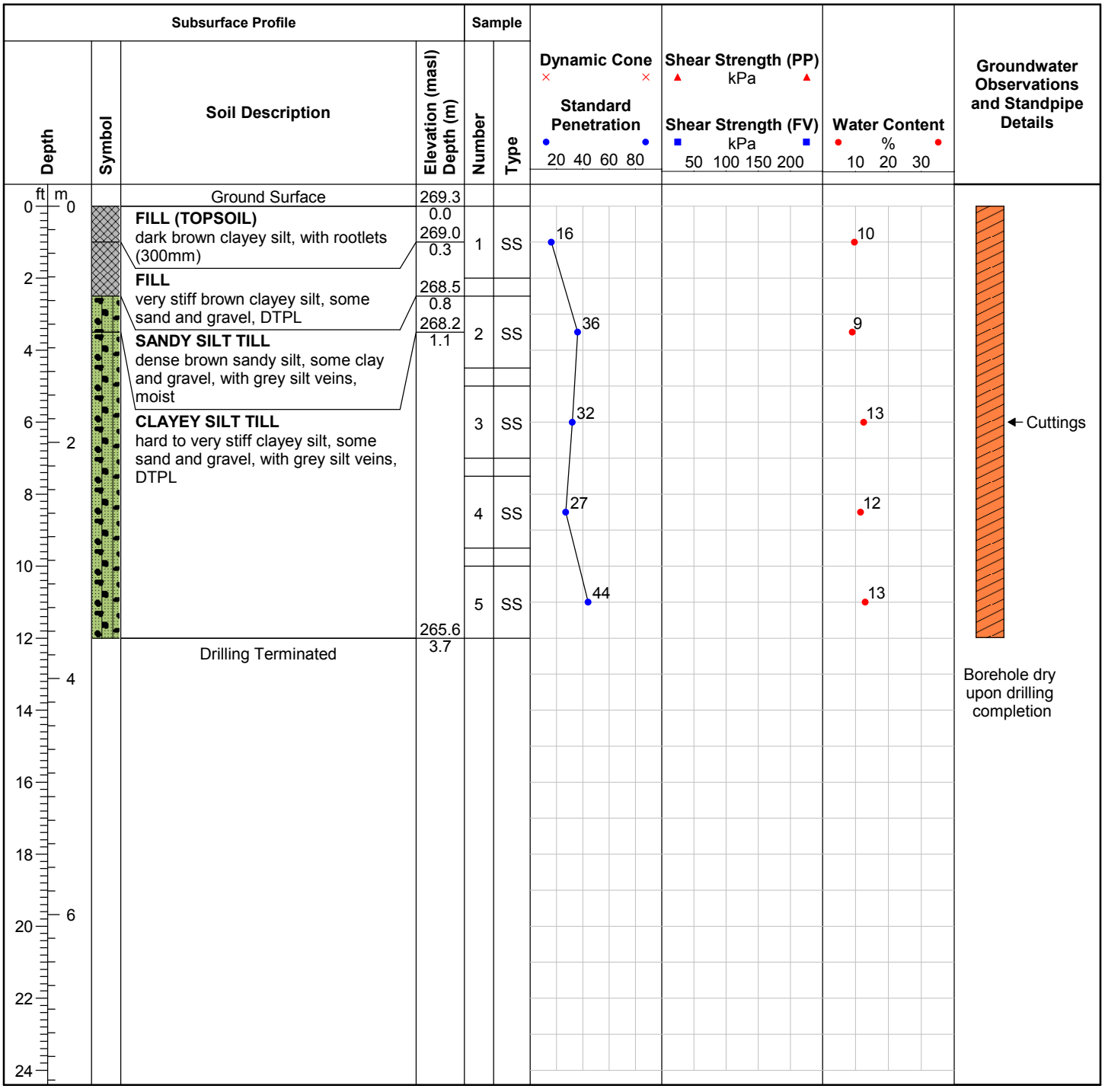
Drill Date: 10/22/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Hollow Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH122-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

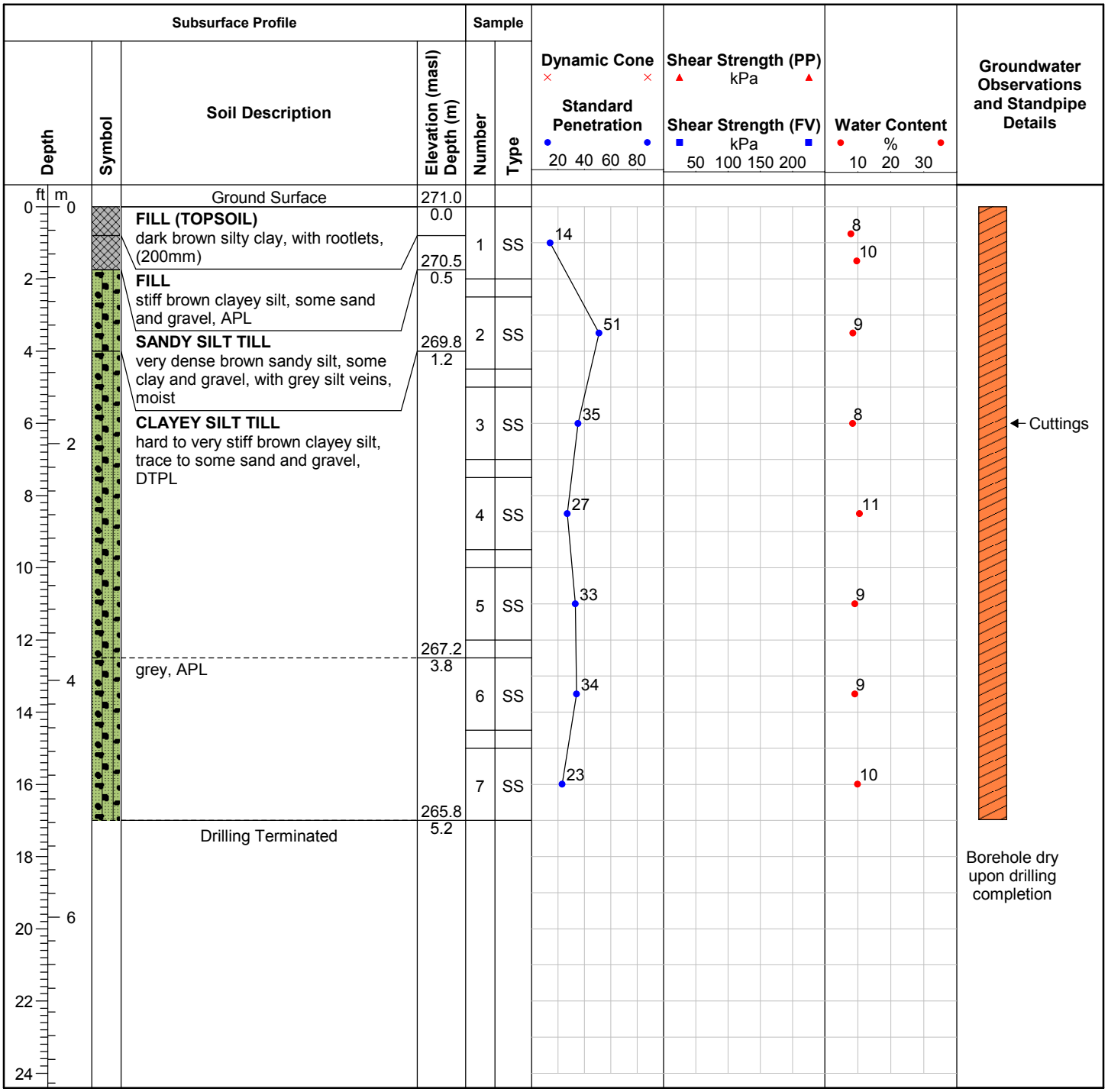
Drill Date: 10/22/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH123-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

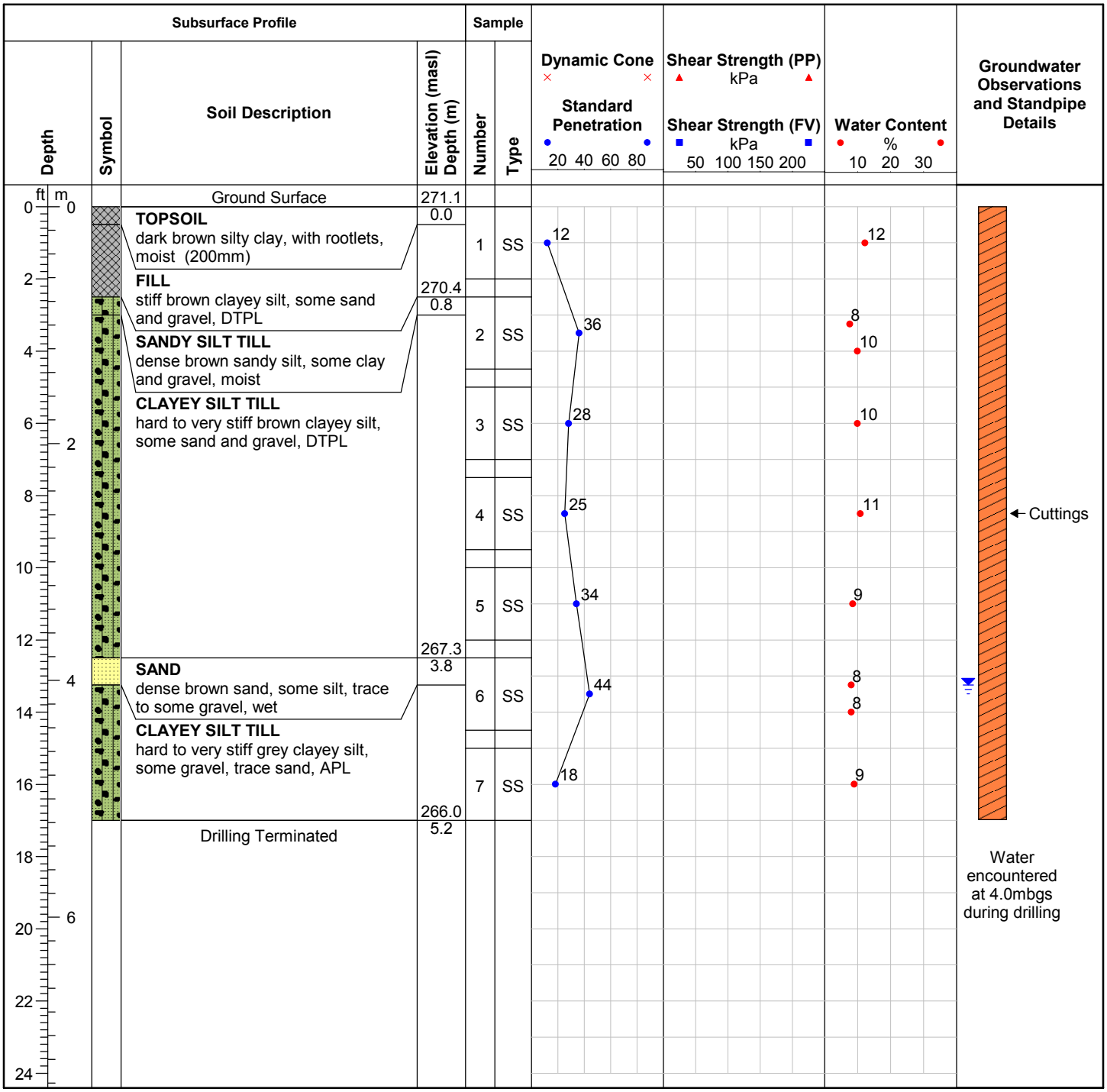
Drill Date: 10/22/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH124-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

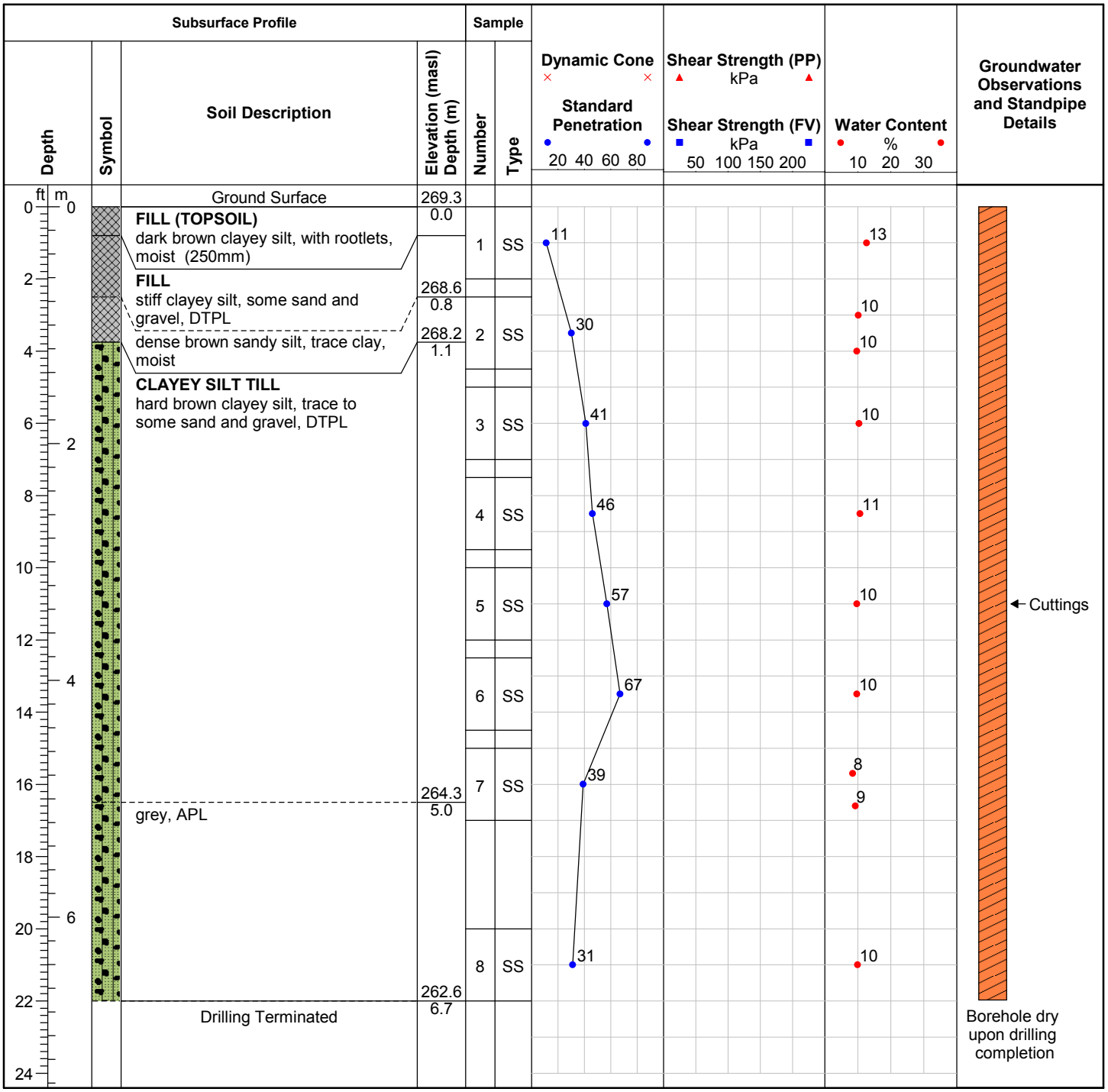
Drill Date: 10/20/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH125-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

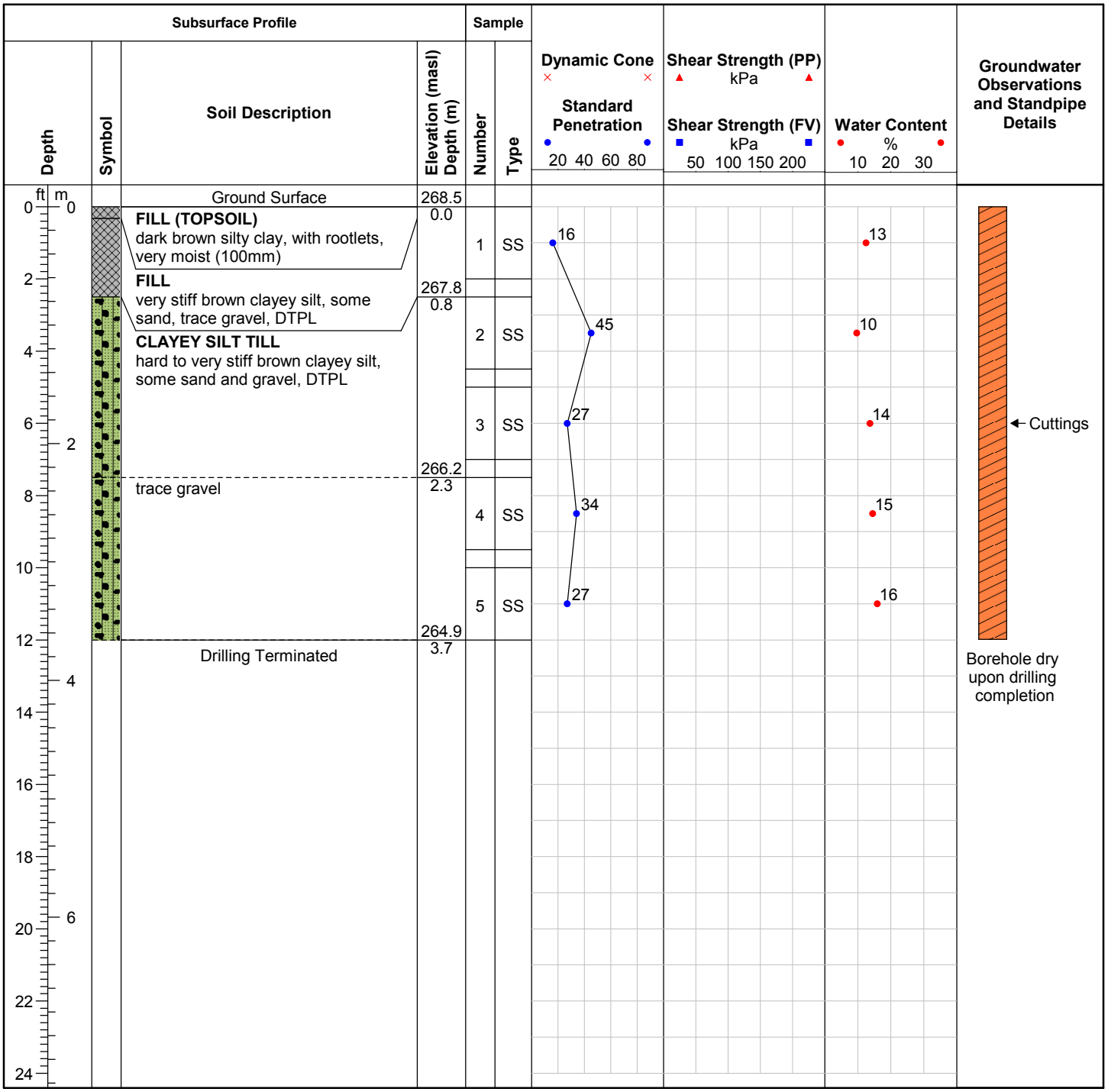
Drill Date: 10/26/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH126-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/26/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:

Depth (ft / m)	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
0 ft / 0 m		Ground Surface	269.3						
		FILL (TOPSOIL) dark brown clayey silt, with rootlets, very moist (200mm)	0.0	1	SS	11		14	
2		**FILL** stiff brown clayey silt, trace to some sand and gravel, DTPL	268.5 / 0.8	2	SS	21		11	
4		**CLAYEY SILT TILL** very stiff to hard brown clayey silt, trace to some sand and gravel, DTPL		3	SS	34		11	
6 / 2				4	SS	39		10	
8									
10				5	SS	34		11	
12 / 4			265.8						
14		Drilling Terminated	3.5						Cuttings; Borehole dry upon drilling completion
16									
18									
20 / 6									
22									
24									

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH127-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

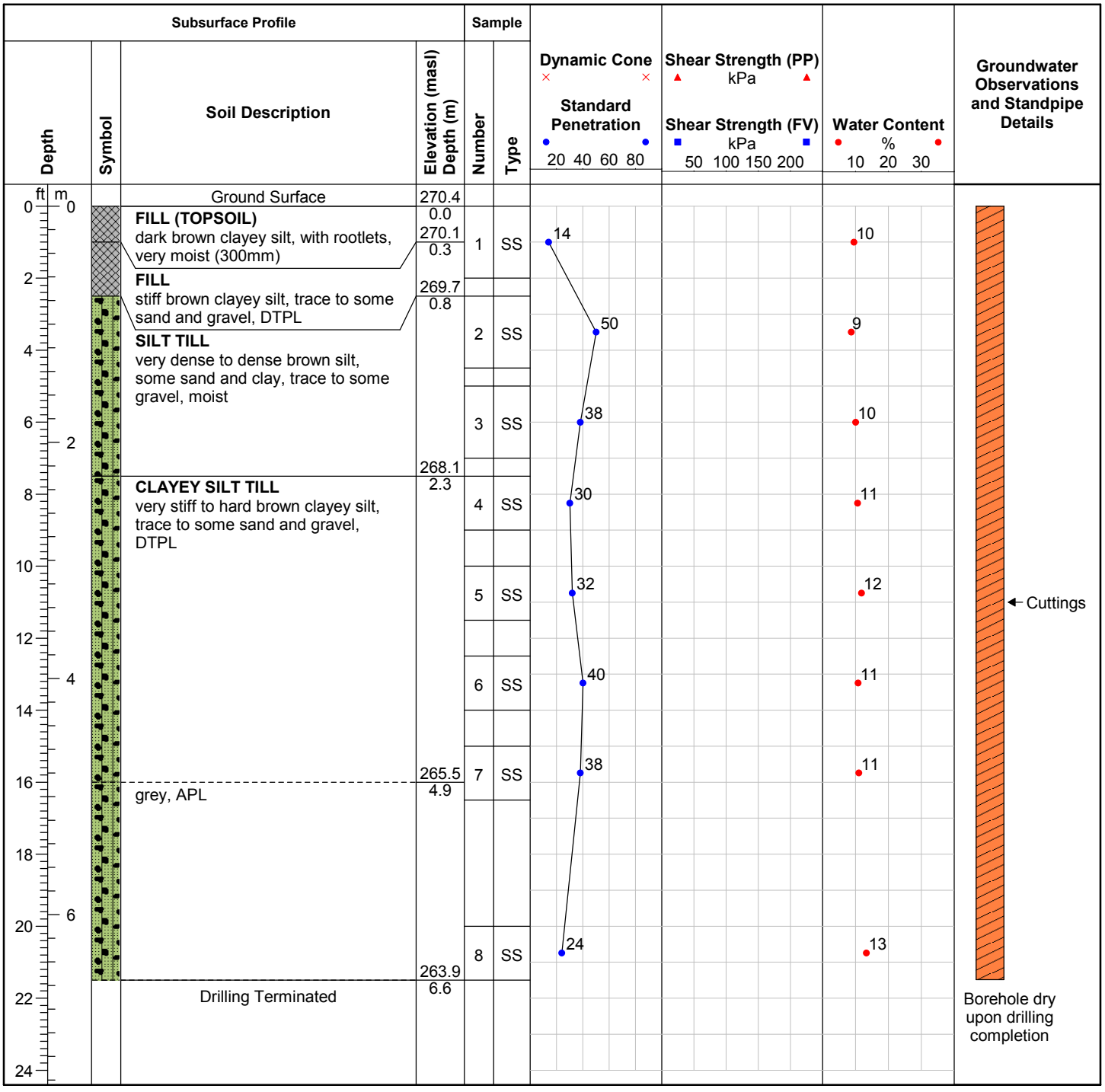
Drill Date: 10/20/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH128-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

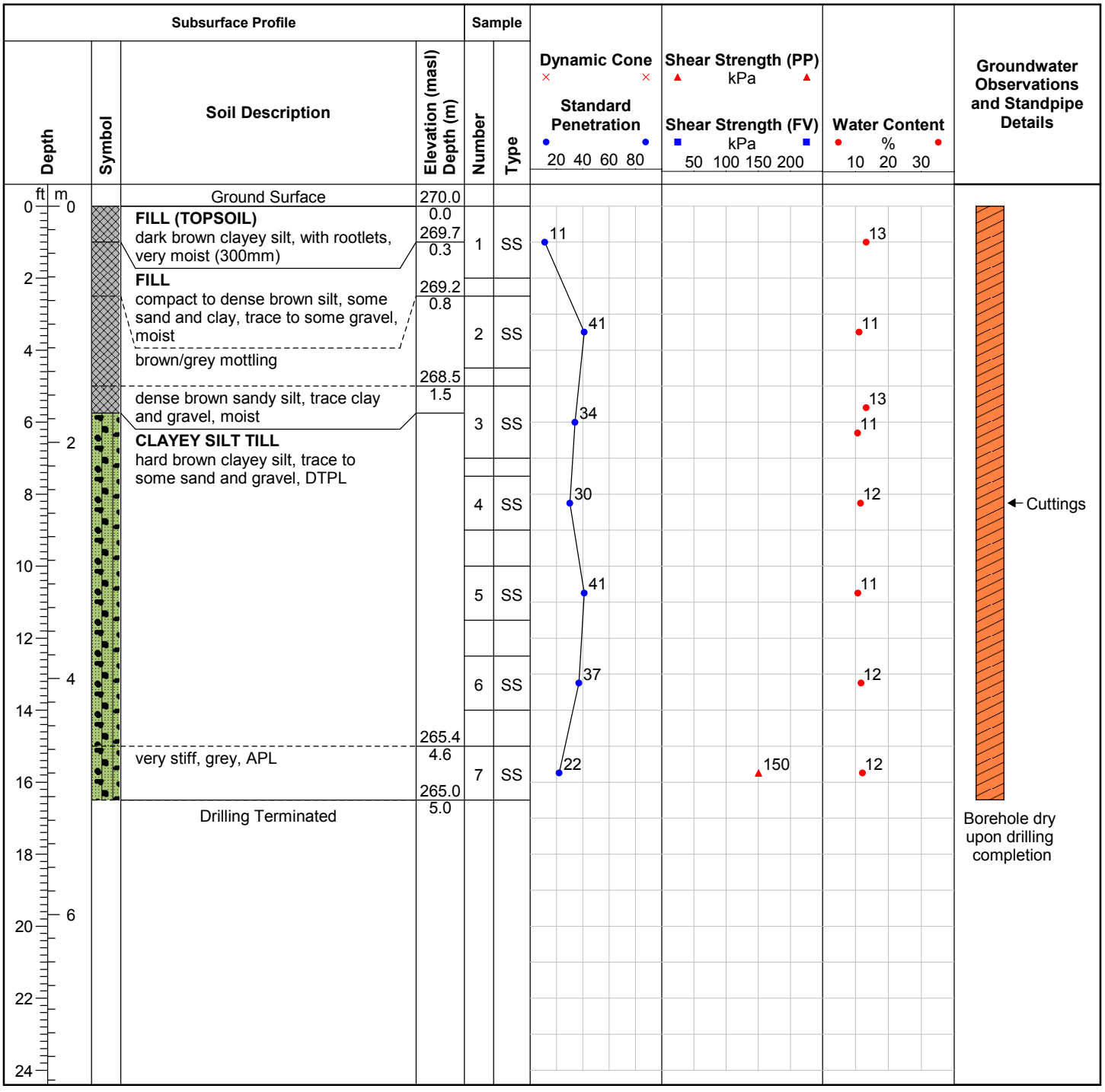
Drill Date: 10/26/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH129-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

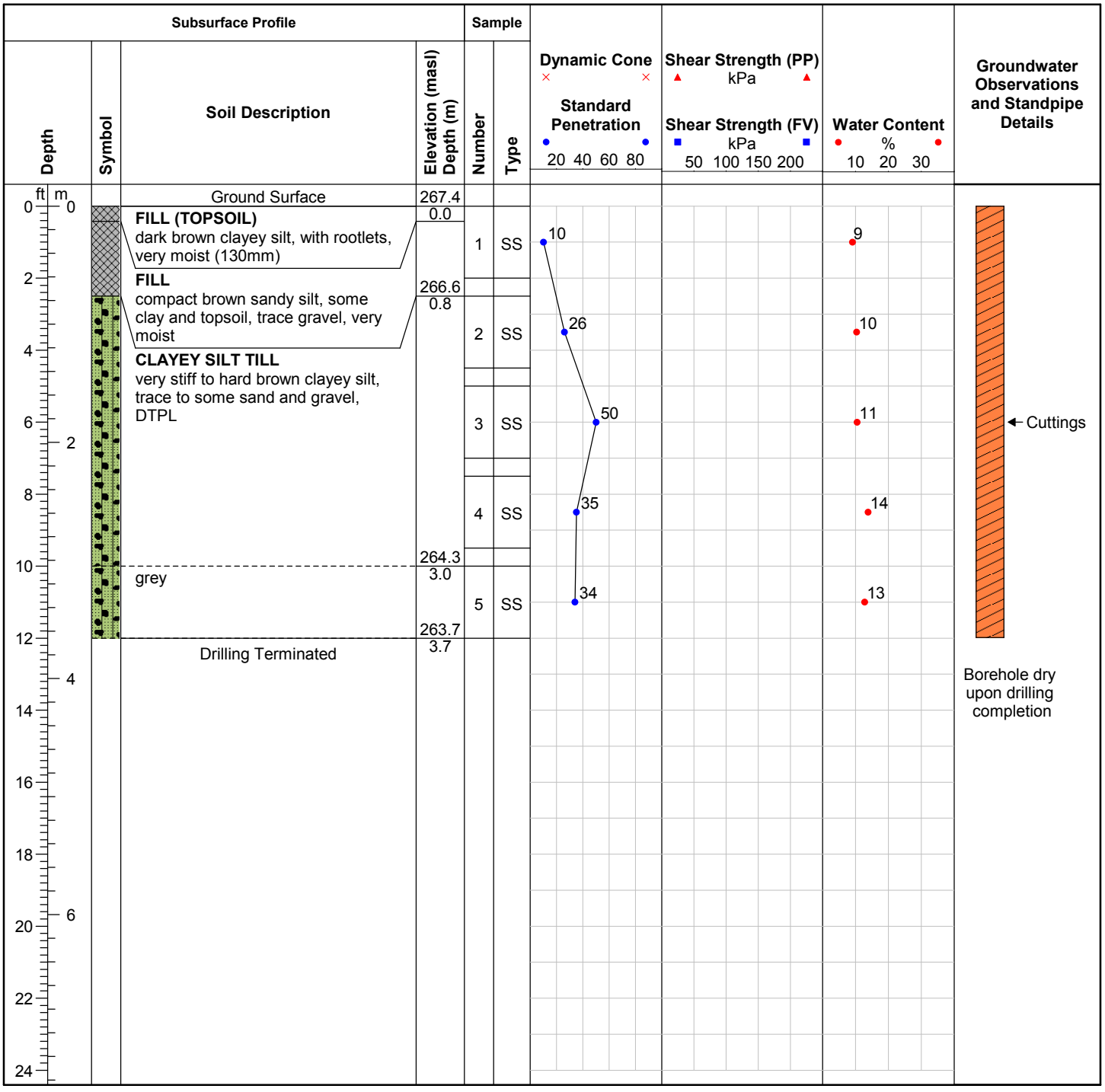
Drill Date: 10/26/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH130-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:

Depth (ft / m)	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
0 ft / 0 m		Ground Surface	269.4						
0		**FILL (TOPSOIL)** compact brown silt, some sand and clay, trace gravel, moist (250mm)	0.0	1	SS	15		9	
2		**FILL** compact brown silt, some sand and clay, trace gravel, moist	268.6 / 0.8	2	SS	24		12	
4		**CLAYEY SILT** very stiff to hard brown clayey silt, trace sand and gravel, with grey silt veins, DTPL		3	SS	29		12	
6 / 2				4	SS	34		13	
8				5	SS	54		10	
10			265.9						
12 / 4		Drilling Terminated	3.5						
14									
16									
18									
20 / 6									
22									
24									

Cuttings

Borehole dry upon drilling completion

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH131-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

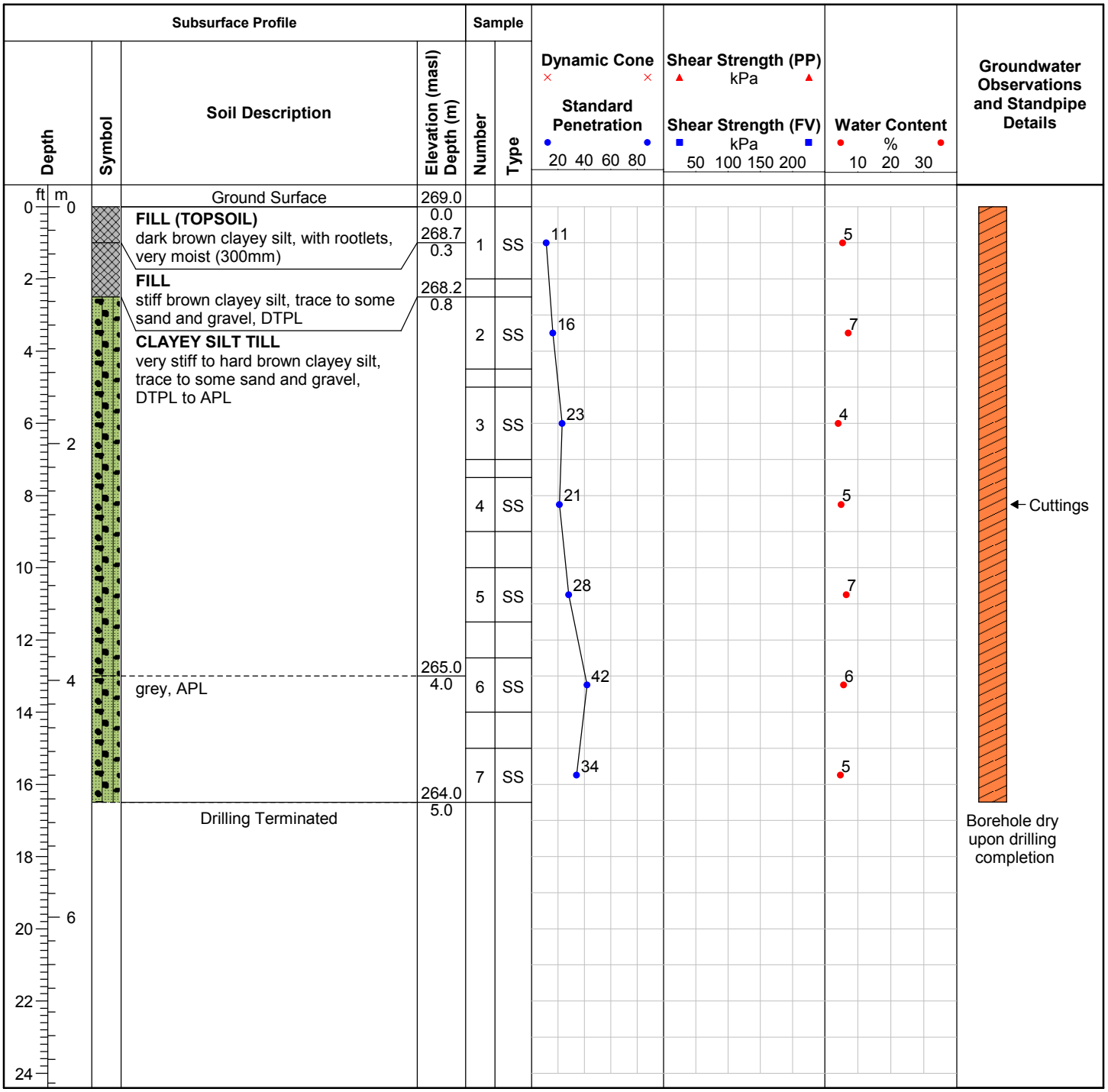
Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH132-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

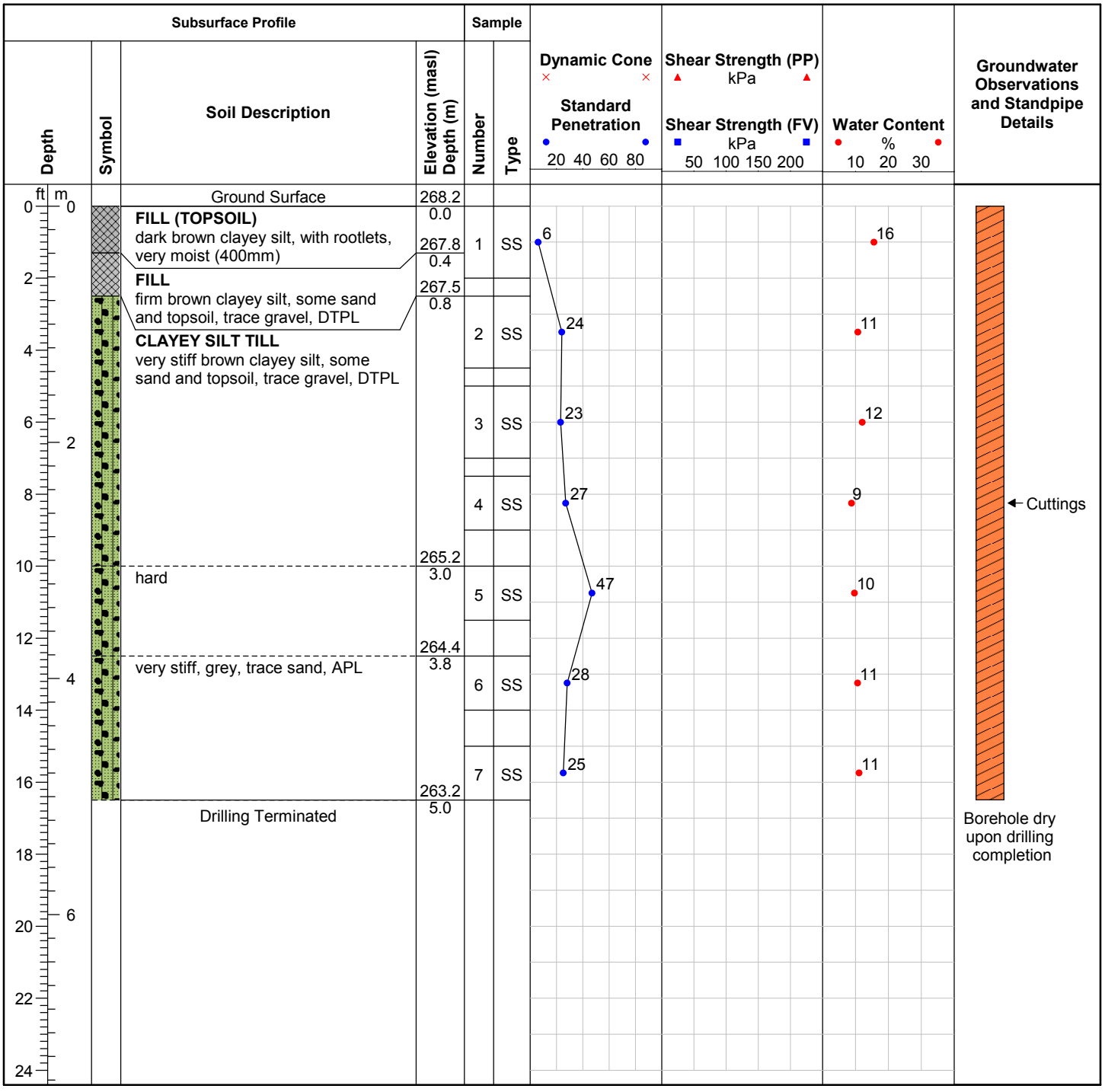
Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH133-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

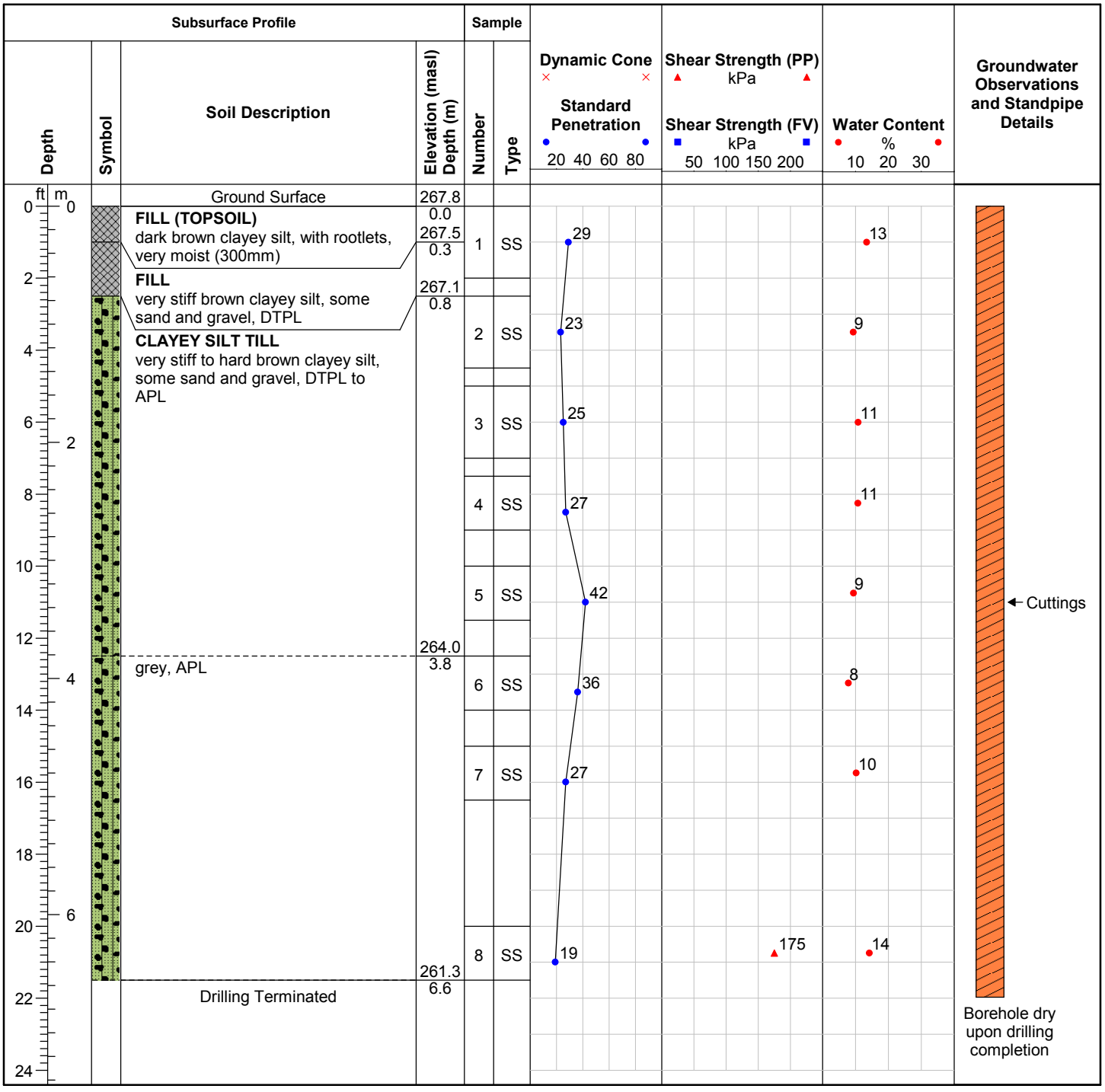
Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH134-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:

Depth (ft / m)	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
0 ft / 0 m		Ground Surface	269.1						
		TOPSOIL dark brown clayey silt, with rootlets, very moist (380mm)	0.0 / 268.7 / 0.4	1	SS	8		6	
2 ft / 1 m		**FILL** stiff brown clayey silt, some sand and gravel, DTPL	268.3 / 0.8	2	SS	38		8	
4 ft		**CLAYEY SILT TILL** hard to very stiff brown clayey silt, some sand and gravel, DTPL		3	SS	23		8	← Cuttings
6 ft / 2 m				4	SS	29		7	
8 ft				5	SS	45		5	
10 ft			265.6 / 3.5						
12 ft / 4 m		Drilling Terminated							Borehole dry upon drilling completion
14 ft									
16 ft									
18 ft									
20 ft / 6 m									
22 ft									
24 ft									

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH135-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

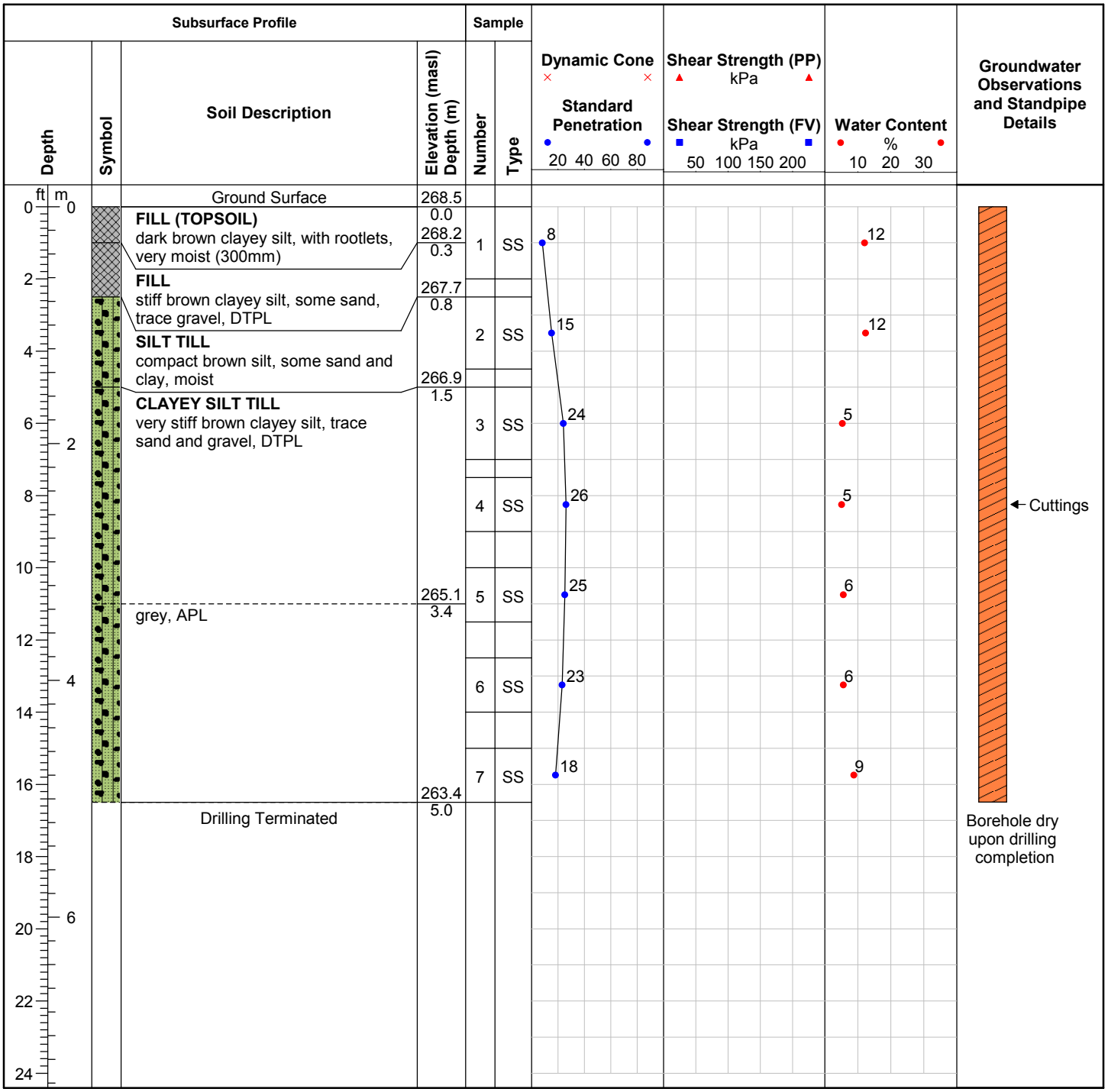
Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH136-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

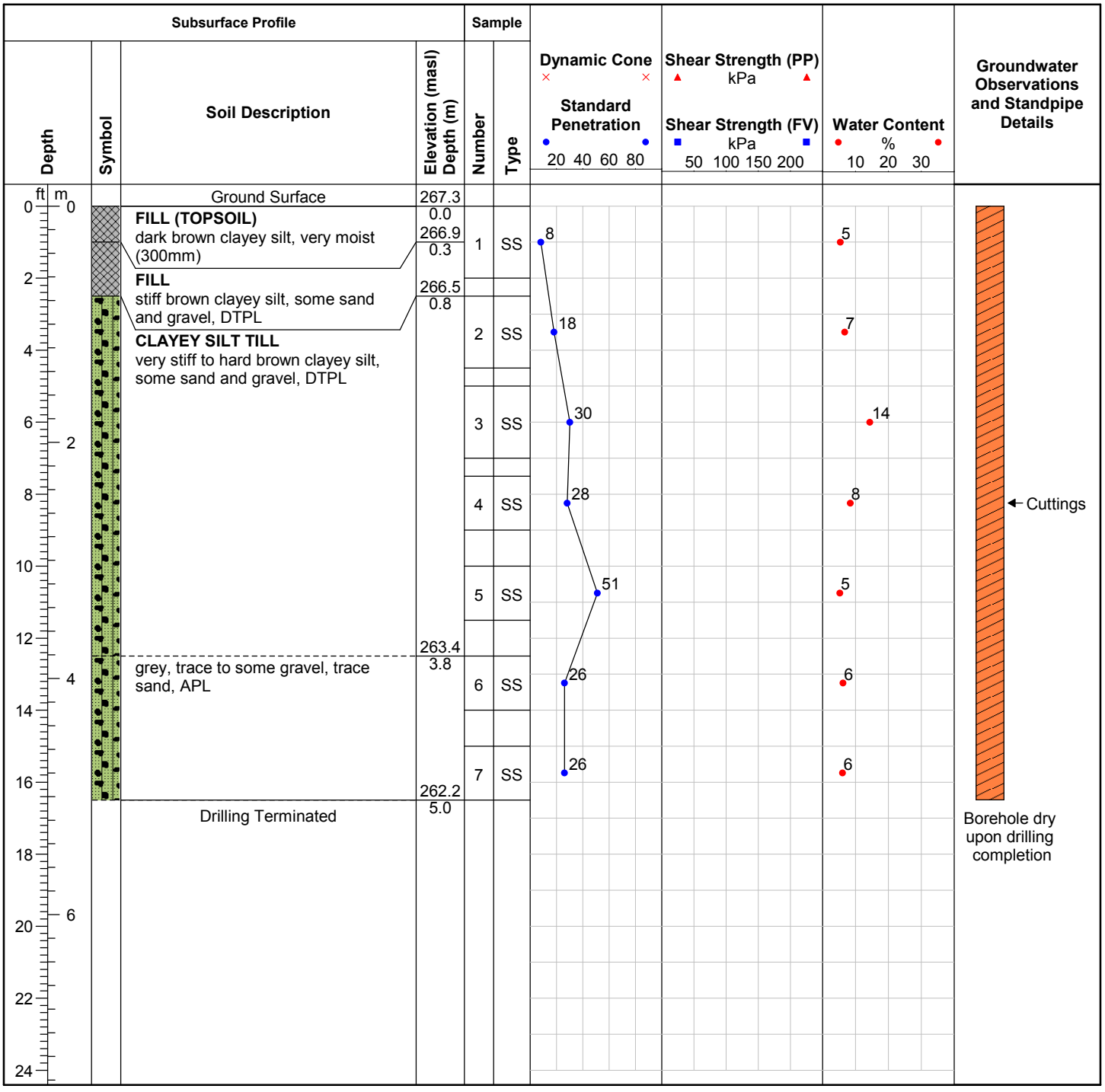
Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH137-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

Drill Date: 10/28/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:

Depth (ft / m)	Symbol	Soil Description	Elevation (masl) / Depth (m)	Sample Number	Sample Type	Dynamic Cone / Standard Penetration (20 40 60 80)	Shear Strength (PP) kPa / Shear Strength (FV) kPa (50 100 150 200)	Water Content % (10 20 30)	Groundwater Observations and Standpipe Details
		Ground Surface	269.6						
0		**FILL (TOPSOIL)** dark brown clayey silt, with rootlets, very moist (380mm)	0.0 / 269.2 / 0.4	1	SS	14		13	
2		**FILL** stiff brown clayey silt, some sand and gravel, DTPL	268.8 / 0.8	2	SS	20		14	
4		**CLAYEY SILT TILL** very stiff brown clayey silt, trace to some sand and gravel, DTPL		3	SS	23		12	← Cuttings
6				4	SS	27		11	
8				5	SS	28		11	
10			266.1 / 3.5						Borehole dry upon drilling completion
12		Drilling Terminated							
14									
16									
18									
20									
22									
24									

Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH138-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

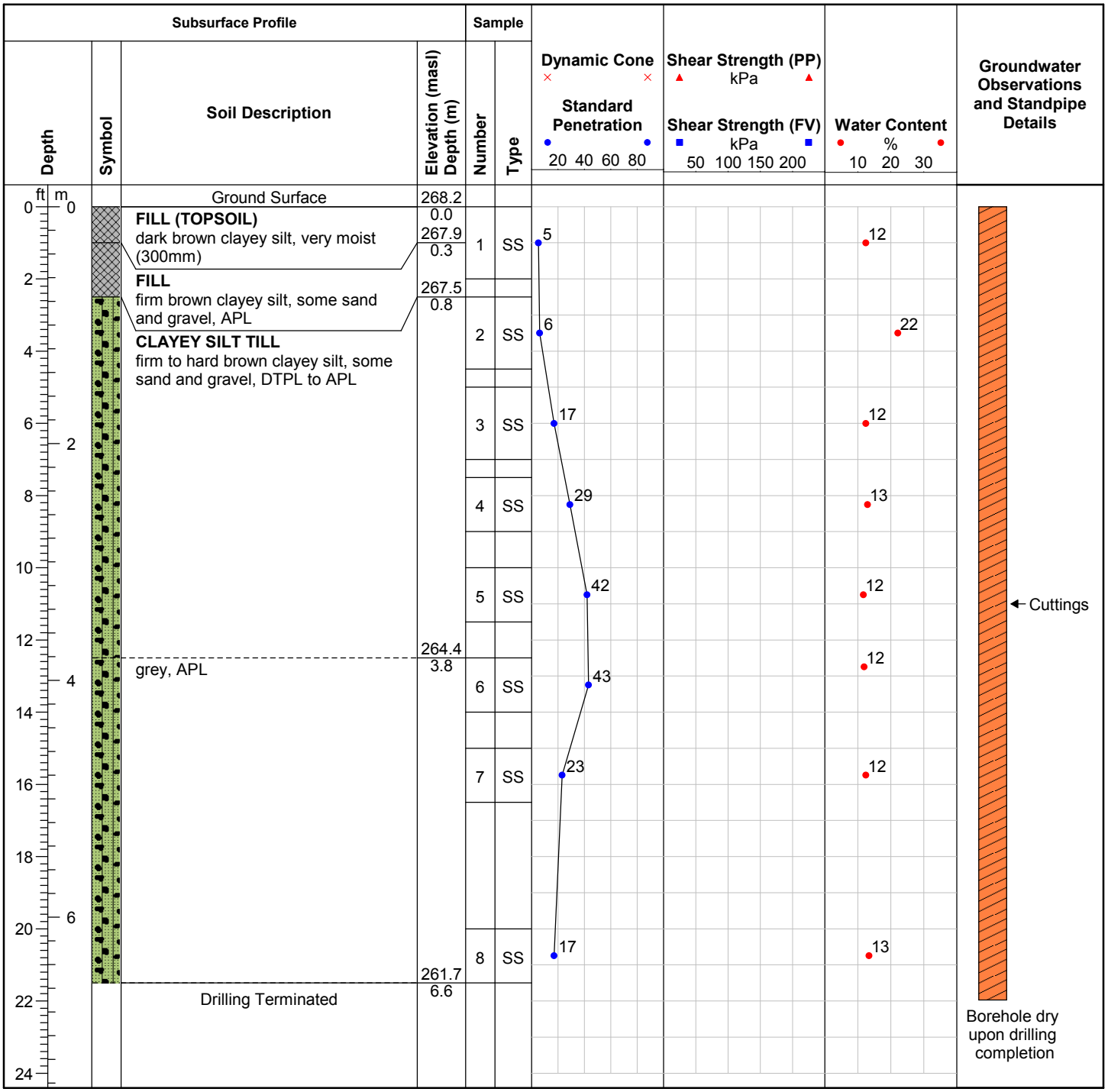
Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

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Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH139-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

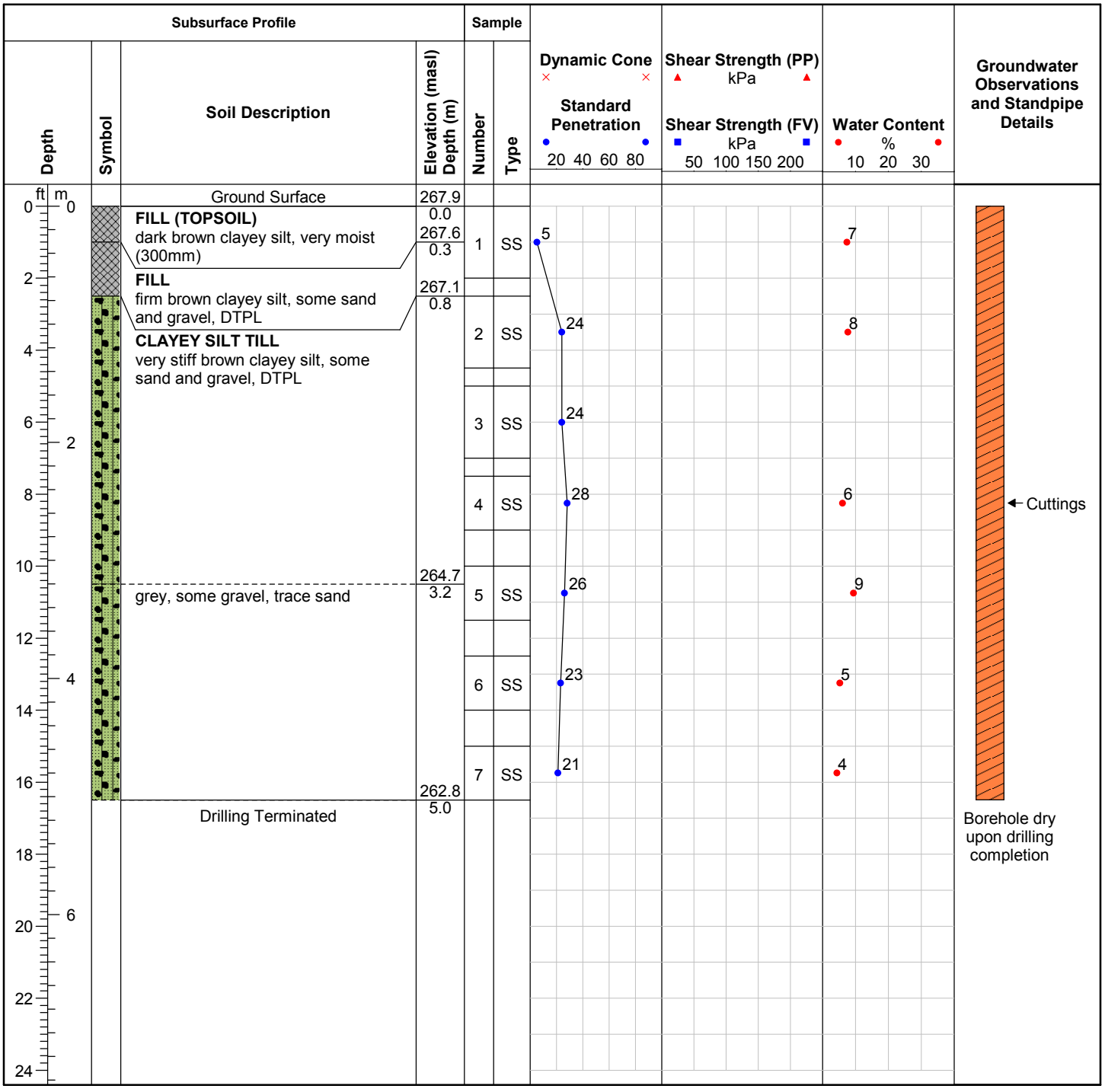
Drill Date: 10/27/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH140-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

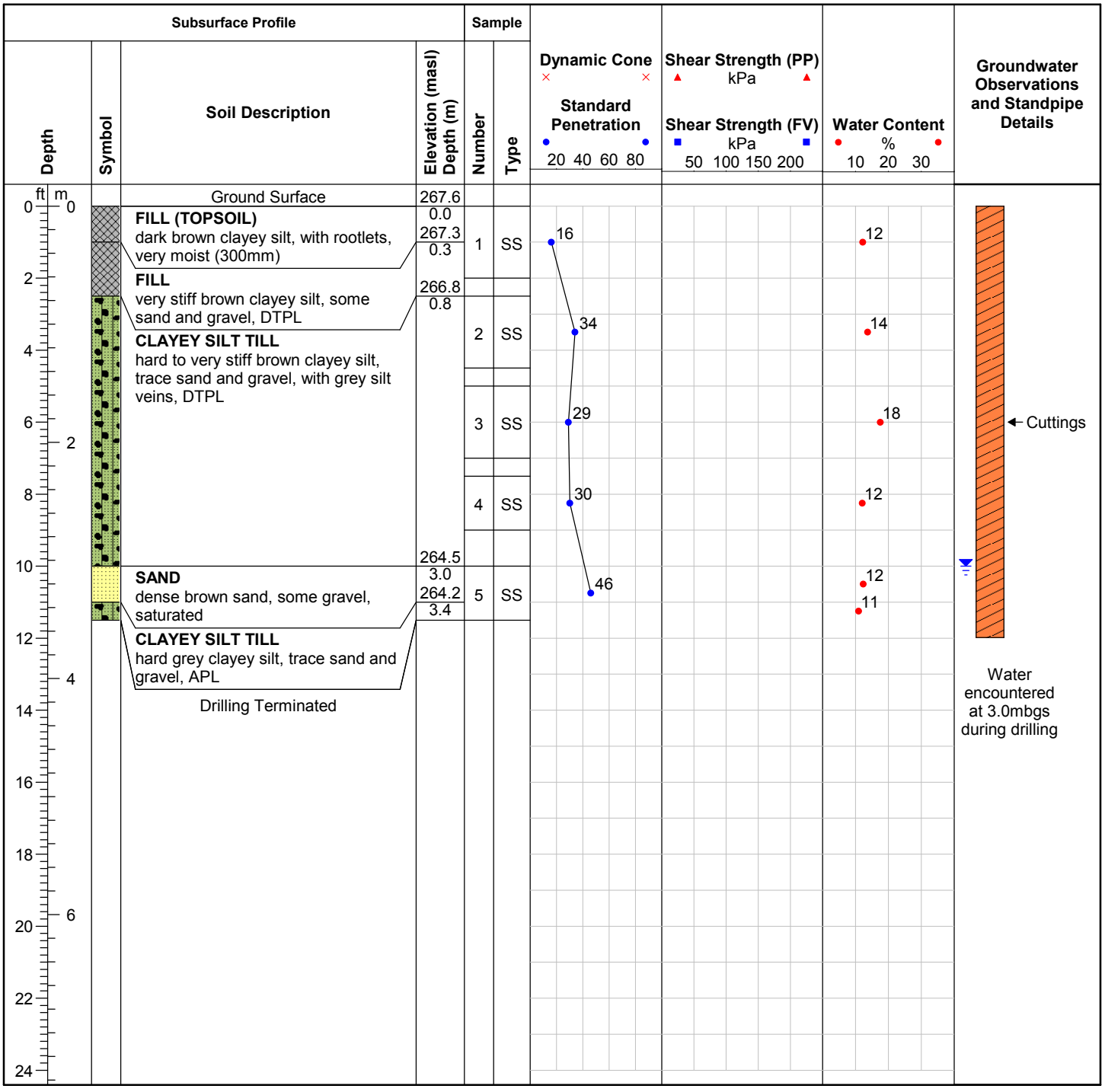
Drill Date: 10/28/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH141-20

Project: 12892 Dixie Road: Engineering Consulting Services

Project No: 48043-100

Client: Tribal Partners (Canada) Inc.

Site Location: 12892 Dixie Road, Caledon, ON

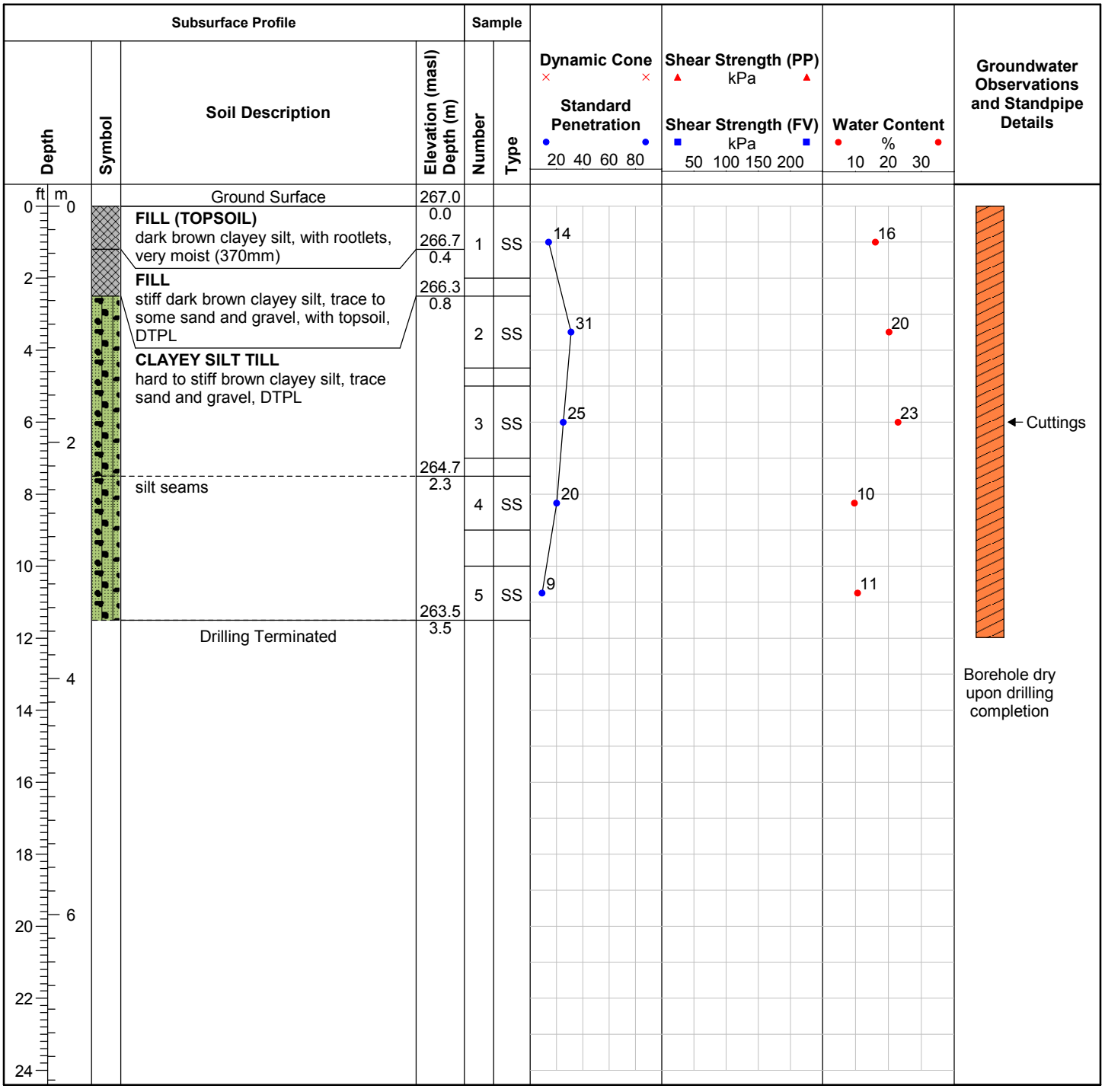
Drill Date: 10/28/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover:



Field Technician: MBC

Drafted by: B. Graul

Reviewed by: B. Thorner

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH201-20

Project Name: 12892 Dixie Road: Engineering Consulting Services

MTE File No.: 48043-100

Client: Tribal Partners

Site Location: 12824 & 12892 Dixie Road, Caledon, ON

Drill Date: 10/23/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover: N/A

Subsurface Profile			Sample							Well Completion Details
Depth (ft / m)	Symbol	Soil Description	Elevation (masl) / Depth (m)	Number	Type	Recovery (%)	Soil Sample Lab Analysis	PID (ppm)	Hydrocarbon (ppm)	
0 / 0		Ground Surface								
		TOPSOIL Dark brown, clayey silt with rootlets, damp	0.0							
		FILL Brown, clayey silt with sand, some gravel, moist	0.2	1	SS	60	Metals, OCs, CPs, PHCs	0	0	
2				2	SS	60		0	0	
4										
6 / 2		**CLAYEY SILT** Brown, trace sand and gravel, moist	1.7	3	SS	100		0	0	
8				4	SS	80		0	0	
10		Drilling Terminated	2.9							
12										

Field Technician: SKC

Drafted by: SKC

Reviewed by: TJJ

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH202-20

Project Name: 12892 Dixie Road: Engineering Consulting Services

MTE File No.: 48043-100

Client: Tribal Partners

Site Location: 12824 & 12892 Dixie Road, Caledon, ON

Drill Date: 10/23/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover: N/A

Subsurface Profile			Sample							Well Completion Details
Depth (ft / m)	Symbol	Soil Description	Elevation (masl) Depth (m)	Number	Type	Recovery (%)	Soil Sample Lab Analysis	PID (ppm)	Hydrocarbon (ppm)	
0 / 0		Ground Surface								
		TOPSOIL Dark brown, clayey silt with rootlets, damp to moist	0.0							
		FILL Brown, clayey silt, some sand and gravel, moist		1	SS	70	Metals, OCs, CPs, PHCs	0	0	
2		Orange sand seam at 0.91m								
				2	SS	85		0	0	
4										
		CLAYEY SILT Brown to grey, some sand and gravel, moist	1.5							
6 / 2				3	SS	100		0	0	
8				4	SS	100		0	0	
10				5	SS	100		0	0	
12		Drilling Terminated	3.7							

Field Technician: SKC

Drafted by: SKC

Reviewed by: TJJ

MTE

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH203-20

Project Name: 12892 Dixie Road: Engineering Consulting Services

MTE File No.: 48043-100

Client: Tribal Partners

Site Location: 12824 & 12892 Dixie Road, Caledon, ON

Drill Date: 10/23/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover: N/A

Subsurface Profile			Sample							Well Completion Details
Depth (ft / m)	Symbol	Soil Description	Elevation (masl) Depth (m)	Number	Type	Recovery (%)	Soil Sample Lab Analysis	PID (ppm)	Hydrocarbon (ppm)	
0 / 0		Ground Surface								
		TOPSOIL Dark brown, clayey silt with rootlets, damp	0.0							
		FILL Brown, clayey silt with sand, trace to some gravel, moist		1	SS	0	Metals	0	0	
				2	SS	90		0	0	
		CLAYEY SILT Light brown to grey, trace sand and gravel, moist	1.5	3	SS	90		0	0	
				4	SS	95		0	0	
		Drilling Terminated	2.9							

Field Technician: SKC

Drafted by: SKC

Reviewed by: TJJ

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH204-20

Project Name: 12892 Dixie Road: Engineering Consulting Services

MTE File No.: 48043-100

Client: Tribal Partners

Site Location: 12824 & 12892 Dixie Road, Caledon, ON

Drill Date: 10/23/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover: N/A

Subsurface Profile			Sample							Well Completion Details
Depth (ft / m)	Symbol	Soil Description	Elevation (masl) Depth (m)	Number	Type	Recovery (%)	Soil Sample Lab Analysis	PID (ppm)	Hydrocarbon (ppm)	
0 / 0		Ground Surface								
		TOPSOIL Dark brown, clayey silt with rootlets, damp	0.0							
		FILL Brown, clayey silt, trace sand and gravel, trace rootlets		1	SS	70	PHCs	0	0	
2		Higher gravel content from 0.15m to 0.30m								
				2	SS	80		0	0	
4		Grey mottling at 1.22m								
		CLAYEY SILT Light brown to grey, trace sand and gravel, moist	1.7	3	SS	75		0	0	
6 / 2										
8				4	SS	85		0	0	
10		Drilling Terminated	2.9							
12										

Field Technician: SKC

Drafted by: SKC

Reviewed by: TJJ

MTE

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

ID Number: BH205-20

Project Name: 12892 Dixie Road: Engineering Consulting Services

MTE File No.: 48043-100

Client: Tribal Partners

Site Location: 12824 & 12892 Dixie Road, Caledon, ON

Drill Date: 10/23/2020

Drilling Contractor: Tri-Phase Group

Drill Rig: CME 75

Drill Method: Solid Stem Auger

Protective Cover: N/A

Subsurface Profile			Sample							Well Completion Details
Depth (ft / m)	Symbol	Soil Description	Elevation (masl) Depth (m)	Number	Type	Recovery (%)	Soil Sample Lab Analysis	PID (ppm)	Hydrocarbon (ppm)	
0 / 0		Ground Surface								
		TOPSOIL Dark brown, clayey silt with rootlets, damp to moist	0.0							
		FILL Brown, clayey silt, some sand and gravel, moist	0.2	1	SS	90	Metals, OCs, CPs, PHCs	0	0	
2										
		Grey mottling at 1.22m		2	SS	100		0	0	
4										
		CLAYEY SILT Brown to grey, some sand, trace gravel, mosit	1.5	3	SS	80		0	0	
6 / 2										
8				4	SS	85		0	0	
		Drilling Terminated	2.9							
10										
12										

Field Technician: SKC

Drafted by: SKC

Reviewed by: TJJ

MTE

Sheet: 1 of 1

TOWN OF CALEDON
PLANNING
RECEIVED

Feb 26, 2021

Appendix C

Laboratory Certificates of Analysis

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

Your Project #: 48043-100

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 797693-01-01, 797693-03-01, 797693-04-01

Report Date: 2020/11/04
Report #: R6397636
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S0065
Received: 2020/10/22, 09:30

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Strong Acid Leachable Metals by ICPMS	5	2020/11/03	2020/11/03	CAM SOP-00447	EPA 6020B m
Moisture	5	N/A	2020/11/02	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	5	2020/11/03	2020/11/03	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	5	N/A	2020/11/03	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	5	2020/11/03	2020/11/03	CAM SOP-00413	EPA 9045 D m

Remarks:

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

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

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

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

Your Project #: 48043-100

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 797693-01-01, 797693-03-01, 797693-04-01

Report Date: 2020/11/04
Report #: R6397636
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S0065
Received: 2020/10/22, 09:30

Encryption Key

Ronklin Gracian
Project Manager
04 Nov 2020 15:45:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

==========

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			NYY083	NYY087	NYY099	NYY106		
Sampling Date			2020/10/19 09:55	2020/10/20 15:52	2020/10/20 13:45	2020/10/21 08:52		
COC Number						797693-03-01		
	UNITS	**Criteria**	**MW103-20 0.25-2**	**BH108-20 0.3-2**	**BH112-20 0.5-2**	**MW104-20 0.6-2**	**RDL**	**QC Batch**
Metals								
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	<0.20	<0.20	0.20	7034757
Acid Extractable Arsenic (As)	ug/g	18	6.6	4.4	4.6	5.2	1.0	7034757
Acid Extractable Barium (Ba)	ug/g	220	92	110	77	80	0.50	7034757
Acid Extractable Beryllium (Be)	ug/g	2.5	0.98	0.83	0.78	0.74	0.20	7034757
Acid Extractable Boron (B)	ug/g	36	8.2	5.8	<5.0	5.8	5.0	7034757
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.13	0.14	0.15	<0.10	0.10	7034757
Acid Extractable Chromium (Cr)	ug/g	70	26	25	22	20	1.0	7034757
Acid Extractable Cobalt (Co)	ug/g	21	13	9.0	8.3	9.8	0.10	7034757
Acid Extractable Copper (Cu)	ug/g	92	44	31	24	32	0.50	7034757
Acid Extractable Lead (Pb)	ug/g	120	12	9.7	11	9.1	1.0	7034757
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	<0.50	<0.50	0.50	7034757
Acid Extractable Nickel (Ni)	ug/g	82	29	23	21	23	0.50	7034757
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	<0.50	<0.50	0.50	7034757
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	<0.20	<0.20	0.20	7034757
Acid Extractable Thallium (Tl)	ug/g	1	0.20	0.14	0.13	0.12	0.050	7034757
Acid Extractable Uranium (U)	ug/g	2.5	0.53	0.85	0.54	0.46	0.050	7034757
Acid Extractable Vanadium (V)	ug/g	86	37	34	33	31	5.0	7034757
Acid Extractable Zinc (Zn)	ug/g	290	63	55	56	44	5.0	7034757

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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TOWN OF CALEDON
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BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			NYY112		
Sampling Date			2020/10/21 14:38		
COC Number			797693-04-01		
	UNITS	**Criteria**	**BH115-20 1-2**	**RDL**	**QC Batch**
Metals					
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	0.20	7034757
Acid Extractable Arsenic (As)	ug/g	18	3.4	1.0	7034757
Acid Extractable Barium (Ba)	ug/g	220	110	0.50	7034757
Acid Extractable Beryllium (Be)	ug/g	2.5	0.79	0.20	7034757
Acid Extractable Boron (B)	ug/g	36	5.1	5.0	7034757
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.16	0.10	7034757
Acid Extractable Chromium (Cr)	ug/g	70	24	1.0	7034757
Acid Extractable Cobalt (Co)	ug/g	21	8.1	0.10	7034757
Acid Extractable Copper (Cu)	ug/g	92	22	0.50	7034757
Acid Extractable Lead (Pb)	ug/g	120	9.8	1.0	7034757
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	0.50	7034757
Acid Extractable Nickel (Ni)	ug/g	82	19	0.50	7034757
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	0.50	7034757
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	0.20	7034757
Acid Extractable Thallium (Tl)	ug/g	1	0.14	0.050	7034757
Acid Extractable Uranium (U)	ug/g	2.5	0.67	0.050	7034757
Acid Extractable Vanadium (V)	ug/g	86	37	5.0	7034757
Acid Extractable Zinc (Zn)	ug/g	290	49	5.0	7034757

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
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BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NYY083	NYY087	NYY099		
Sampling Date			2020/10/19 09:55	2020/10/20 15:52	2020/10/20 13:45		
COC Number							
	UNITS	**Criteria**	**MW103-20 0.25-2**	**BH108-20 0.3-2**	**BH112-20 0.5-2**	**RDL**	**QC Batch**
Inorganics							
Moisture	%	-	12	11	10	1.0	7033522
Calculated Parameters							
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7033093
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7033093
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7033093
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7033093
Total Endosulfan	ug/g	-	<0.0020	<0.0020	<0.0020	0.0020	7033093
Pesticides & Herbicides							
Aldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
o,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
p,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
o,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
p,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	0.0020	7034537
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	0.0020	7034537
Dieldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
Lindane	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7034537
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7034537
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7034537
Endrin	ug/g	0.04	<0.0020	<0.0020	<0.0020	0.0020	7034537
Heptachlor	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
Hexachlorobenzene	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7034537
Hexachlorobutadiene	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7034537
Hexachloroethane	ug/g	0.01	<0.0020	<0.0020	<0.0020	0.0020	7034537
Methoxychlor	ug/g	0.05	<0.0050	<0.0050	<0.0050	0.0050	7034537

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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TOWN OF CALEDON
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BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NYY083	NYY087	NYY099		
Sampling Date			2020/10/19 09:55	2020/10/20 15:52	2020/10/20 13:45		
COC Number							
	UNITS	**Criteria**	**MW103-20 0.25-2**	**BH108-20 0.3-2**	**BH112-20 0.5-2**	**RDL**	**QC Batch**
Surrogate Recovery (%)							
2,4,5,6-Tetrachloro-m-xylene	%	-	69	67	69		7034537
Decachlorobiphenyl	%	-	101	97	100		7034537

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
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MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NYY099			NYY106	NYY112		
Sampling Date			2020/10/20 13:45			2020/10/21 08:52	2020/10/21 14:38		
COC Number						797693-03-01	797693-04-01		
	UNITS	**Criteria**	**BH112-20 0.5-2 Lab-Dup**	**RDL**	**QC Batch**	**MW104-20 0.6-2**	**BH115-20 1-2**	**RDL**	**QC Batch**
Inorganics									
Moisture	%	-				11	15	1.0	7033522
Calculated Parameters									
Chlordane (Total)	ug/g	0.05				<0.0020	<0.0020	0.0020	7033093
o,p-DDD + p,p-DDD	ug/g	-				<0.0020	<0.0020	0.0020	7033093
o,p-DDE + p,p-DDE	ug/g	-				<0.0020	<0.0020	0.0020	7033093
o,p-DDT + p,p-DDT	ug/g	-				<0.0020	<0.0020	0.0020	7033093
Total Endosulfan	ug/g	-				<0.0020	<0.0020	0.0020	7033093
Pesticides & Herbicides									
Aldrin	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
a-Chlordane	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
g-Chlordane	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
o,p-DDD	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
p,p-DDD	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
o,p-DDE	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
p,p-DDE	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
o,p-DDT	ug/g	1.4	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
p,p-DDT	ug/g	1.4	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Dieldrin	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Lindane	ug/g	0.01	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Endrin	ug/g	0.04	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Heptachlor	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Hexachlorobenzene	ug/g	0.01	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Hexachlorobutadiene	ug/g	0.01	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537
Hexachloroethane	ug/g	0.01	<0.0020	0.0020	7034537	<0.0020	<0.0020	0.0020	7034537

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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TOWN OF CALEDON
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BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NYY099			NYY106	NYY112		
Sampling Date			2020/10/20 13:45			2020/10/21 08:52	2020/10/21 14:38		
COC Number						797693-03-01	797693-04-01		
	UNITS	**Criteria**	**BH112-20 0.5-2 Lab-Dup**	**RDL**	**QC Batch**	**MW104-20 0.6-2**	**BH115-20 1-2**	**RDL**	**QC Batch**
Methoxychlor	ug/g	0.05	<0.0050	0.0050	7034537	<0.0050	<0.0050	0.0050	7034537
Surrogate Recovery (%)									
2,4,5,6-Tetrachloro-m-xylene	%	-	77		7034537	68	81		7034537
Decachlorobiphenyl	%	-	106		7034537	101	101		7034537

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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Client Project #: 48043-100
Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		NYY083	NYY087	NYY099	NYY106	NYY112	
Sampling Date		2020/10/19 09:55	2020/10/20 15:52	2020/10/20 13:45	2020/10/21 08:52	2020/10/21 14:38	
COC Number					797693-03-01	797693-04-01	
	UNITS	**MW103-20 0.25-2**	**BH108-20 0.3-2**	**BH112-20 0.5-2**	**MW104-20 0.6-2**	**BH115-20 1-2**	**QC Batch**
Inorganics							
Available (CaCl2) pH	pH	7.54	7.41	7.44	7.60	7.07	7034517
QC Batch = Quality Control Batch							

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Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: NYY083
Sample ID: MW103-20 0.25-2
Matrix: Soil

Collected: 2020/10/19
Shipped:
Received: 2020/10/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034757	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk
pH CaCl2 EXTRACT	AT	7034517	2020/11/03	2020/11/03	Surinder Rai

BV Labs ID: NYY087
Sample ID: BH108-20 0.3-2
Matrix: Soil

Collected: 2020/10/20
Shipped:
Received: 2020/10/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034757	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk
pH CaCl2 EXTRACT	AT	7034517	2020/11/03	2020/11/03	Surinder Rai

BV Labs ID: NYY099
Sample ID: BH112-20 0.5-2
Matrix: Soil

Collected: 2020/10/20
Shipped:
Received: 2020/10/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034757	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk
pH CaCl2 EXTRACT	AT	7034517	2020/11/03	2020/11/03	Surinder Rai

BV Labs ID: NYY099 Dup
Sample ID: BH112-20 0.5-2
Matrix: Soil

Collected: 2020/10/20
Shipped:
Received: 2020/10/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang

BV Labs ID: NYY106
Sample ID: MW104-20 0.6-2
Matrix: Soil

Collected: 2020/10/21
Shipped:
Received: 2020/10/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034757	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk
pH CaCl2 EXTRACT	AT	7034517	2020/11/03	2020/11/03	Surinder Rai

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BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: NYY112
Sample ID: BH115-20 1-2
Matrix: Soil

Collected: 2020/10/21
Shipped:
Received: 2020/10/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034757	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk
pH CaCl2 EXTRACT	AT	7034517	2020/11/03	2020/11/03	Surinder Rai

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GENERAL COMMENTS

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

Package 1	2.3°C
Package 2	2.7°C

Sample ID updated as per client request.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7034537	2,4,5,6-Tetrachloro-m-xylene	2020/11/03	70	50 - 130	78	50 - 130	71	%		
7034537	Decachlorobiphenyl	2020/11/03	97	50 - 130	107	50 - 130	105	%		
7033522	Moisture	2020/11/02							0	20
7034517	Available (CaCl2) pH	2020/11/03			100	97 - 103			0.26	N/A
7034537	a-Chlordane	2020/11/03	89	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
7034537	Aldrin	2020/11/03	71	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7034537	Dieldrin	2020/11/03	108	50 - 130	122	50 - 130	<0.0020	ug/g	NC	40
7034537	Endosulfan I (alpha)	2020/11/03	89	50 - 130	99	50 - 130	<0.0020	ug/g	NC	40
7034537	Endosulfan II (beta)	2020/11/03	90	50 - 130	97	50 - 130	<0.0020	ug/g	NC	40
7034537	Endrin	2020/11/03	112	50 - 130	119	50 - 130	<0.0020	ug/g	NC	40
7034537	g-Chlordane	2020/11/03	96	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40
7034537	Heptachlor epoxide	2020/11/03	93	50 - 130	101	50 - 130	<0.0020	ug/g	NC	40
7034537	Heptachlor	2020/11/03	80	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
7034537	Hexachlorobenzene	2020/11/03	69	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
7034537	Hexachlorobutadiene	2020/11/03	73	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7034537	Hexachloroethane	2020/11/03	55	50 - 130	69	50 - 130	<0.0020	ug/g	NC	40
7034537	Lindane	2020/11/03	83	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7034537	Methoxychlor	2020/11/03	128	50 - 130	142 (1)	50 - 130	<0.0050	ug/g	NC	40
7034537	o,p-DDD	2020/11/03	103	50 - 130	113	50 - 130	<0.0020	ug/g	NC	40
7034537	o,p-DDE	2020/11/03	109	50 - 130	114	50 - 130	<0.0020	ug/g	NC	40
7034537	o,p-DDT	2020/11/03	98	50 - 130	103	50 - 130	<0.0020	ug/g	NC	40
7034537	p,p-DDD	2020/11/03	101	50 - 130	109	50 - 130	<0.0020	ug/g	NC	40
7034537	p,p-DDE	2020/11/03	87	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
7034537	p,p-DDT	2020/11/03	118	50 - 130	110	50 - 130	<0.0020	ug/g	NC	40
7034757	Acid Extractable Antimony (Sb)	2020/11/03	101	75 - 125	105	80 - 120	<0.20	ug/g	NC	30
7034757	Acid Extractable Arsenic (As)	2020/11/03	105	75 - 125	103	80 - 120	<1.0	ug/g	2.1	30
7034757	Acid Extractable Barium (Ba)	2020/11/03	108	75 - 125	102	80 - 120	<0.50	ug/g	0.55	30
7034757	Acid Extractable Beryllium (Be)	2020/11/03	104	75 - 125	105	80 - 120	<0.20	ug/g	4.2	30
7034757	Acid Extractable Boron (B)	2020/11/03	97	75 - 125	101	80 - 120	<5.0	ug/g	NC	30
7034757	Acid Extractable Cadmium (Cd)	2020/11/03	101	75 - 125	103	80 - 120	<0.10	ug/g	NC	30
7034757	Acid Extractable Chromium (Cr)	2020/11/03	104	75 - 125	101	80 - 120	<1.0	ug/g	1.5	30

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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BV Labs Job #: C0S0065
Report Date: 2020/11/04

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7034757	Acid Extractable Cobalt (Co)	2020/11/03	100	75 - 125	101	80 - 120	<0.10	ug/g	5.0	30
7034757	Acid Extractable Copper (Cu)	2020/11/03	102	75 - 125	99	80 - 120	<0.50	ug/g	0.00091	30
7034757	Acid Extractable Lead (Pb)	2020/11/03	98	75 - 125	98	80 - 120	<1.0	ug/g	4.3	30
7034757	Acid Extractable Molybdenum (Mo)	2020/11/03	101	75 - 125	101	80 - 120	<0.50	ug/g	NC	30
7034757	Acid Extractable Nickel (Ni)	2020/11/03	101	75 - 125	102	80 - 120	<0.50	ug/g	14	30
7034757	Acid Extractable Selenium (Se)	2020/11/03	103	75 - 125	106	80 - 120	<0.50	ug/g	NC	30
7034757	Acid Extractable Silver (Ag)	2020/11/03	99	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
7034757	Acid Extractable Thallium (Tl)	2020/11/03	95	75 - 125	95	80 - 120	<0.050	ug/g	2.5	30
7034757	Acid Extractable Uranium (U)	2020/11/03	98	75 - 125	96	80 - 120	<0.050	ug/g	1.5	30
7034757	Acid Extractable Vanadium (V)	2020/11/03	108	75 - 125	102	80 - 120	<5.0	ug/g	3.2	30
7034757	Acid Extractable Zinc (Zn)	2020/11/03	98	75 - 125	100	80 - 120	<5.0	ug/g	1.5	30

N/A = Not Applicable

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

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

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

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

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

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

(1) The recovery was above the upper control limit. This may represent a high bias in some results for flagged analytes. For results that were not detected (ND), this potential bias has no impact.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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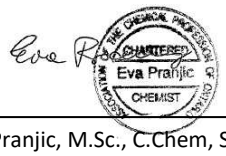
BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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



Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

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

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CHAIN OF CUSTODY RECORD

Page 1 of 4

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:	MTE Consultants Inc.	Quotation #:	B90004	BV Labs Job #:	Bottle Order #: 797693
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:			
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:	123 St. George St., London, ON	Project:	42043-100	COC #: C#797693-01-01	Project Manager: Ronklin Gracian
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 205-6510 Fax:	Project Name:			
Email:	accounting@mte85.com	Email:	MGyba@mte85.com, mcostello@mte85.com	Site #:			
				Sampled By:	Mackenzie Costello		

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

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

Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality: ☐ PWQO ☐ Reg 406 Table ☐ Other

Special Instructions

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):

Field Filtered (please circle): Metals / Hg / Cr VI

Turnaround Time (TAT) Required:

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	Cr VI Hold	# of Bottles	Comments
1		MW103-20 0.25-2	20/10/19	9:55	Soil		X	1	Limited Sample
2		MW103-20 2.5-4.5	↓	10:16	↓		X	1	↓
3		MW103-20 5-7	↓	10:57	↓		X	1	
4		MW103-20 25-27.	↓	12:24.	↓		X	3	
5		BH108-20 0.3-2	20/10/20	15:52	↓		X	1	
6		BH108-20 2.5-4.5	↓	16:00	↓		X	1	
7		BH108-20 5-7	↓	16:06	↓		X	1	
8		BH109-20 0.75-2	20/10/19	15:43	↓		X	1	
9		BH109-20 2.5-4.5	↓	15:50	↓		X	1	
10		BH109-20 5-7	↓	15:58	↓		X	1	

22-Oct-20 09:30
Ronklin Gracian
C0S0065
HGR ENV-613
REC'D IN LONDON

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mackenzie Costello	20/10/22	16:00	Brent Compton	20/10/22	0930	
			Mackenzie Costello	20/10/22	18:25	

Laboratory Use Only: ON ICE

Time Sensitive	Temperature (°C) on Receipt	Custody Seal	Yes	No
	2.3 2 / 4.3 1°C	Present	✓	
		Intact	✓	

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

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

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

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

White: BV Labs Yellow: Client

7/4/6
7/4/4

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CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:	MTE Consultants.	Quotation #:	B90004	BV Labs Job #:	Bottle Order #: 797693
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:			
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:	123 St. George St, London, ON	Project:	48043-100.		
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 205-6570 Fax:	Project Name:		COC #: C#797693-02-01	Project Manager: Ronklin Gracian
Email:	accounting@mte85.com	Email:	MGyba@mte85.com, mcostello@mte85.com	Site #:			
				Sampled By:	Mackenzie Costello		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

Turnaround Time (TAT) Required
Please provide advance notice for rush projects
Regular (Standard) TAT: X
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___ *(call lab for #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC)	# of Bottles	Comments
1		BH109-20 0.2-2	20/10/19	14:36	Soil		X	1	
2		BH109-20 2.5-4.5	↓	14:44	↓		X	1	
3		BH109-20 5-7.	↓	14:55	↓		X	1	
4		BH111-20 0.7-2	20/10/20	1450	↓		X	1	
5		BH111-20 2.5-4.5	↓	1500	↓		X	1	
6		BH111-20 5-7	↓	1506	↓		X	1	
7		BH112-20 0.5-2	↓	1345	↓		X	1	
8		~~BH112-20 0.5-2~~	↓	1245	↓		X	1	EG. 20/10/22 RECD IN LONDON
9		BH112-20 2.5-4	↓	1359	↓		X	1	
10		BH112-20 5-7	↓	1403	↓		X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: ON-ICE			
Mackenzie Costello	20/10/22	6:00	Elizabeth Boston See Page 1	20/10/22	0930		Time Sensitive	Temperature (°C) on Receipt: 2.3, 2.4, 3.1 °C	Custody Seal: Present ✓ / Intact ✓	Yes / No

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

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

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

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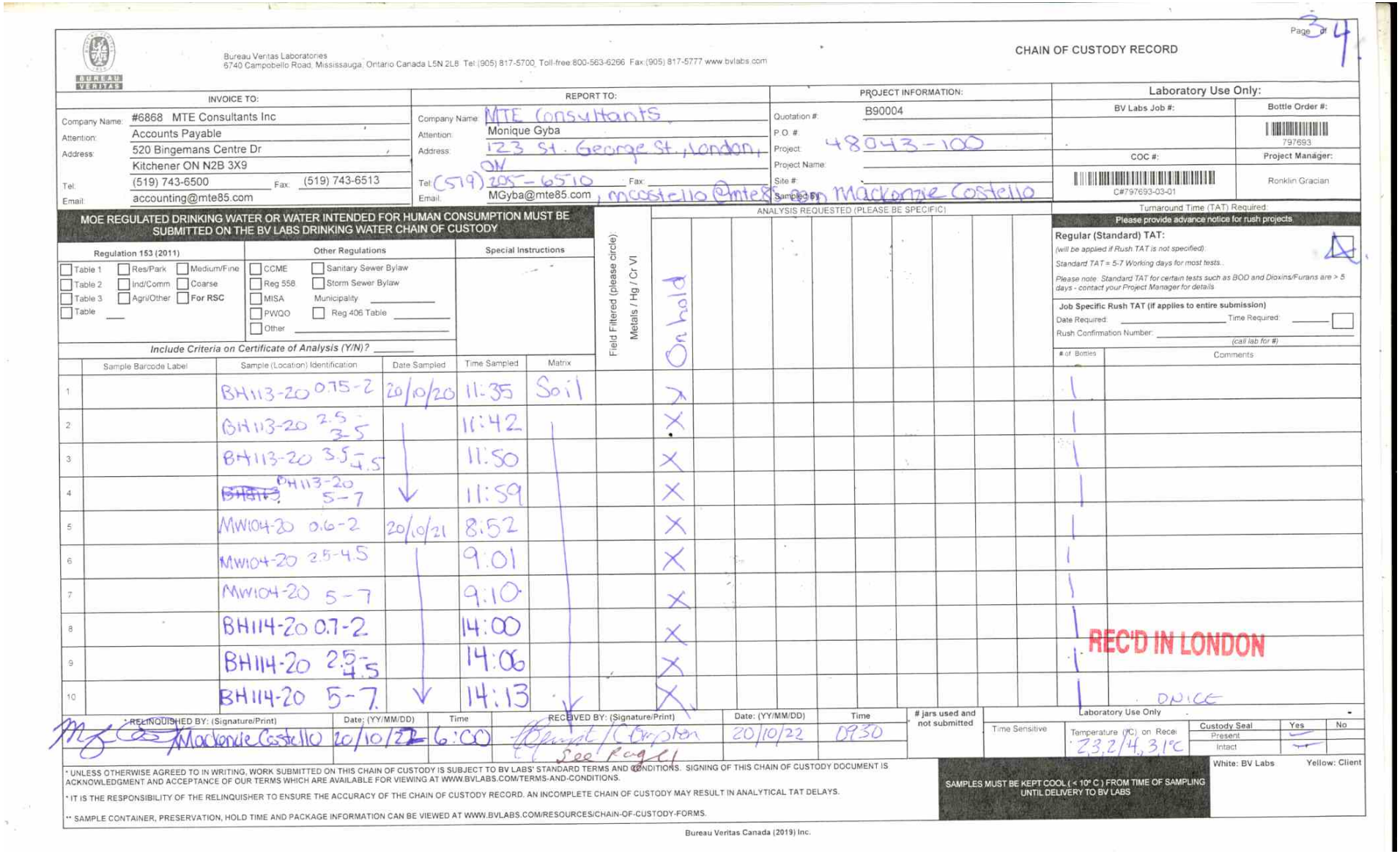

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CHAIN OF CUSTODY RECORD

Page 3 of 4

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:	MTE Consultants	Quotation #:	B90004	BV Labs Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:			797693
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:	123 St. George St, London, ON	Project:	48043-100	COC #:	Project Manager:
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 205-6510 Fax:	Project Name:		C#797693-03-01	Ronklin Gracian
Email:	accounting@mte85.com	Email:	MGyba@mte85.com, mcostello@mte85.com Mackenzie Costello	Site #:			
				Sampled By:			

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	On hold									# of Bottles	Comments
1		BH113-20 0.75-2	20/10/20	11:35	Soil		X									1	
2		BH113-20 2.5-3.5		11:42			X									1	
3		BH113-20 3.5-4.5		11:50			X									1	
4		~~BH113~~ BH113-20 5-7		11:59			X									1	
5		MW104-20 0.6-2	20/10/21	8:52			X									1	
6		MW104-20 2.5-4.5		9:01			X									1	
7		MW104-20 5-7		9:10			X									1	
8		BH114-20 0.7-2		14:00			X									1	
9		BH114-20 2.5-4.5		14:06			X									1	REC'D IN LONDON
10		BH114-20 5-7		14:13			X									1	DNICE

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mackenzie Costello	20/10/22	6:00	[illegible] / C Empston	20/10/22	0930	

See Page 4

Laboratory Use Only				
Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
	23.2/4, 3.1°C	Present	✓	
		Intact	✓	

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

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

White: BV Labs Yellow: Client

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CHAIN OF CUSTODY RECORD

INVOICE TO:
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO:
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St. George St., London ON
Tel: (519) 205-6510 Fax:
Email: MGyba@mte85.com, mcostello@mte85.com

PROJECT INFORMATION:
Quotation #: B90004
P.O. #:
Project: 48043-100
Project Name:
Site #:
Sampled By: Mackenzie Costello

Laboratory Use Only:
BV Labs Job #:
Bottle Order #: 797693
COC #: C#797693-04-01
Project Manager: Ronklin Gracian

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

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

Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other

Special Instructions:

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC): On hold

Turnaround Time (TAT) Required:
Please provide advance notice for rush projects
Regular (Standard) TAT: ☒
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: Time Required: ☐
Rush Confirmation Number: (call lab for #)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	# of Bottles	Comments
1		BH115-20 1-2	20/10/21	1438	Soil	1	
2		BH115-20 2.5-4.5		1447		1	
3		BH115-20 5-7		1452		1	
4		BH115-20 2.5-4.5		1847		1	
5		BH116-20 1-2		15:45		1	Limited Sample.
6	BH116-20 2.5-3.5 →	~~BH116-20 2.5-3.5~~		15:50		1	
7		BH116-20 5-7		15:55		1	
8							
9							
10							REC'D IN LONDON

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
~~Mackenzie Costello~~ Mackenzie Costello	20/10/22	6:00	[illegible] Grapton	20/10/22	9:30	

Laboratory Use Only: ON ICE
Time Sensitive
Temperature (°C) on Receipt: 2.3, 2.1, 4.3, 3.1 °C
Custody Seal: Present ✓ Intact ✓ — Yes / No

See Page 1

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

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

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

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BV Labs Job #: C0S0065
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res

Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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

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Bureau Veritas Laboratories
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CHAIN OF CUSTODY RECORD

Page 6 of 9

INVOICE TO:		REPORT TO		PROJECT INFORMATION		Laboratory Use Only:	
Company Name	#6868 MTE Consultants Inc	Company Name	MTE Consultants Inc.	Quotation #	BS0004	BV Labs Job #	Bottle Order #
Attention	Accounts Payable	Attention	Monique Gyba	P.O. #			797993
Address	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address	23 St. George St, London, ON	Project	42043-100	COC #:	Project Manager
Tel	(519) 743-6500 Fax (519) 743-6513	Tel	(519) 204-6510 Fax	Project Name		C#797993-01-01	Ronklin Gracian
Email	accounting@mte85.com	Email	MGyba@mte85.com, mcastello@mte85.com	Site #			
				Sampled By	Mackenzie Costello		

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

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

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

Special Instructions

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

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT:

(will be applied if Rush TAT is not specified)

Standard TAT = 5-7 Working days for most tests.

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)

Date Required: ___ Time Required: ___

Rush Confirmation Number: ___

(call lab for #)

	Sample Barcode Label	Sample Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On Hold	Metals As Sed	OCs	pH	# of Bottles	Comments
1		MW103-20 0.25-2	22/10/20	9:55	Soil		X	X	X	X	1	Limited Sample
2		MW103-20 7.5-9.5		10:16			X				1	
3		MW103-20 5-7		10:57			X				1	
4		MW103-20 25-27		12:24			X				3	
5		BH108-20 0.3-2	22/10/20	15:52			X	X	X	X	1	
6		BH108-20 2.5-4.5		16:00			X				1	
7		BH108-20 5-7		16:06			X				1	
8		BH109-20 0.75-2	22/10/20	15:43			X				1	
9		BH109-20 2.5-4.5		15:50			X				1	
10		BH109-20 5-7		15:58			X				1	

22-Oct-20 09:30
Ronklin Gracian
C0S0065
HGR ENV-613
REC'D IN LONDON

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Time Sensitive	Laboratory Use Only	Custody Seal	Yes	No
Mackenzie Costello	22/10/22	6:00		20/10/22	1930			Temperature (°C) on Rec: 2.3 2.2 3.1	Present		
				22/10/22	18:23				Intact		

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

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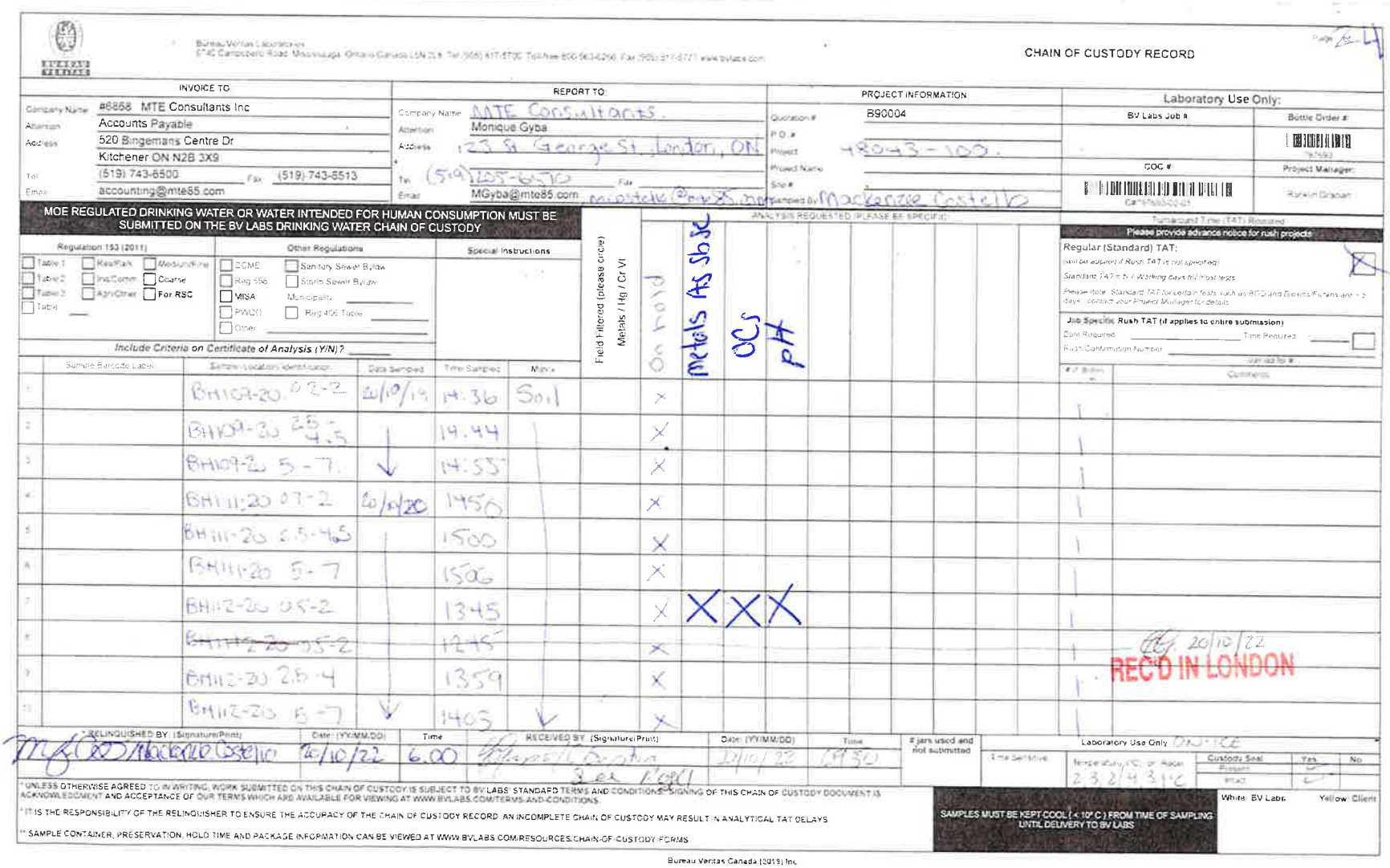

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CHAIN OF CUSTODY RECORD

Page 4 of 4

INVOICE TO:
Company Name: #6858 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-8513
Email: accounting@mte85.com

REPORT TO:
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St George St, London, ON
Tel: (519) 255-6570 Fax:
Email: MGyba@mte85.com, mwhitehead@mte85.com

PROJECT INFORMATION:
Quotation #: B90004
P.O. #:
Project: 48043-100
Project Name:
Site #:
Samples By: Mackenzie Costello

Laboratory Use Only:
BV Labs Job #:
Bottle Order #:
COC #:
Project Manager: Ranjith Dhanan

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

Regulation 153 (2011): Table 1, Res/Park, Medium/Fine, Table 2, Ind/Comm, Coarse, Table 3, Agri/Other, For RSC, Table ___
Other Regulations: CCME, Sanitary Sewer By-law, Reg 558, Storm Sewer By-law, MISA, Municipality ___, PWQO, Reg 406 Table ___, Other ___
Special Instructions:
Include Criteria on Certificate of Analysis (Y/N)? ___

Turnaround Time (TAT) Required
Please provide advance notice for rush projects
Regular (Standard) TAT: X
(will be applied if Rush TAT is not specified)
Standard TAT is 5 - 7 Working days for most tests
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___
For lab to fill in: # of Bottles, Comments

	Sample Barcode Label	Sample Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC):			# of Bottles	Comments
1		BH101-20 02-2	20/10/19	14:36	Soil		X	Metals As Sb Se		1	
2		BH101-20 2.5-4.5	↓	14:44			X			1	
3		BH101-20 5-7	↓	14:55			X			1	
4		BH111-20 02-2	20/10/20	1456			X			1	
5		BH111-20 2.5-4.5		1500			X			1	
6		BH111-20 5-7		1506			X			1	
7		BH112-20 02-2		1345			X	X X X		1	
8		~~BH112-20 02-2~~		1245			X			1	
9		BH112-20 2.5-4		1359			X			1	
10		BH112-20 5-7	↓	1405	↓		X			1	

20/10/22 RECD IN LONDON

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: ON-TCE
Mackenzie Costello	20/10/22	6:00	3 ice packs	20/10/22	09:50		Time Sensitive; Temperature (°C) on Receipt: 2.3, 2.1, 3.1; Custody Seal Present: Yes; Intact: Yes

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.
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** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS

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

White: BV Labs Yellow: Client

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CHAIN OF CUSTODY RECORD

Page 3 of 4

INVOICE TO	REPORT TO	PROJECT INFORMATION	Laboratory Use Only:
Company Name: #6868 MTE Consultants Inc	Company Name: MTE Consultants	Quotation #: B90004	BV Labs Job #:
Attention: Accounts Payable	Attention: Monique Gyba	P.O. #:	Bottle Order #:
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9	Address: 123 St. George St, London, ON	Project: 48043-100	COC #:
Tel: (519) 743-6500 Fax: (519) 743-6513	Tel: (519) 225-6510 Fax:	Project Name:	Project Manager:
Email: accounting@mte85.com	Email: MGyba@mte85.com, mcostello@mte85.com	Site #: Sampled By: Mackenzie Costello	Rimkus Gracias

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample Location/ Identification	Date Sampled	Time Sampled	Matrix	On hold	Metals As Sesb	OCs	pH	# of Bottles	Comments
1		BH113-20 0.75-2	20/10/20	11:35	Soil	X				1	
2		BH113-20 2.5-3.5	"	11:42	"	X				1	
3		BH113-20 3.5-5	"	11:50	"	X				1	
4		~~BH113-20~~ MW104-20 5-7	↓	11:59	"	X				1	
5		MW104-20 0.6-2	20/10/21	8:52	"	X	X	X	X	1	
6		MW104-20 2.45	"	9:01	"	X				1	
7		MW104-20 5-7	"	9:10	"	X				1	
8		BH114-20 0.7-2	"	14:00	"	X				1	
9		BH114-20 2.5-4.5	"	14:06	"	X				1	REC'D IN LONDON
10		BH114-20 5-7	↓	14:13	↓	X				1	

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Time Sensitive	Laboratory Use Only: Temperature (°C) on Rcvd	Custody Seal	Yes	No
Mackenzie Costello	20/10/22	6:00	[illegible]	20/10/22	09:30			23.2/4.3°C	Present	✓	
			See Page 4						Intact	✓	

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

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

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CHAIN OF CUSTODY RECORD

Page 44

INVOICE TO		REPORT TO		PROJECT INFORMATION		Laboratory Use Only:	
Company Name	#6868 MTE Consultants Inc	Company Name	MTE Consultants	Quotation #	B90004	BV Labs Job #	Bottle Order #
Attention	Accounts Payable	Attention	Monique Gyba	P.O. #			
Address	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address	123 St. George St., London ON	Project	48043-100	COC #	Project Manager:
Tel	(519) 743-6500 Fax (519) 743-6513	Tel	(519) 225-6510 Fax	Project Name			
Email	accounting@mte85.com	Email	MGyba@mte85.com, mcostello@mte85.com	Site #	Mackenzie Corners		Ronan Cristian

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT: X

(will be applied if Rush TAT is not specified)

Standard TAT = 5-7 Working days for most tests

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)

Date Required: ___ Time Required: ___

Rush Confirmation Number: ___

(call lab for #)

	Sample Barcode Label	Sample Location / Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On hold	Metals As Sb Se	OCs	pH	# of Bottles	Comments
1		BH115-20 1-2	24/10/21	14:38	Soil		X	X	X	X	1	
2		BH115-20 2.5-4.5		14:47			X				1	
3		BH115-20 5-7		14:52			X				1	
4		BH115-20 2.5-4.5		13:47			X				1	
5		BH116-20 1-2		15:45			X				1	Limited Sample.
6	BH116-20 2.5-3.5 →	~~BH116-20 2.5-3.5~~		15:50			X				1	
7		BH116-20 5-7		15:55			X				1	
8												
9												
10												REC'D IN LONDON

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Time Sensitive	Laboratory Use Only
~~Mackenzie Costello~~ Monique Gyba	21/10/22	6:00	Agnieszka Bruton See Page 1	21/10/22	9:30			Temperature (°C) on Receipt: 2.3 / 1.4 / 3.1 °C Custody Seal Present: Yes / No Intact:

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

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Bureau Veritas Canada (2019) Inc.

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Your Project #: 48043-100

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 797693-05-01, 797693-06-01, 797693-07-01

Report Date: 2020/11/02
Report #: R6395045
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S1138
Received: 2020/10/23, 09:00

Sample Matrix: Soil
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Strong Acid Leachable Metals by ICPMS	6	2020/10/30	2020/11/02	CAM SOP-00447	EPA 6020B m
Moisture	6	N/A	2020/10/29	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	6	2020/10/31	2020/10/31	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	6	N/A	2020/10/30	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	5	2020/11/02	2020/11/02	CAM SOP-00413	EPA 9045 D m

Remarks:

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

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

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

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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Feb 26, 2021

Your Project #: 48043-100

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 797693-05-01, 797693-06-01, 797693-07-01

Report Date: 2020/11/02
Report #: R6395045
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S1138
Received: 2020/10/23, 09:00

Encryption Key

Ronklin Gracian
Project Manager
02 Nov 2020 17:37:07

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

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

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

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			NZD813	NZD823	NZD829	NZD830		
Sampling Date			2020/10/22 08:35	2020/10/22 11:03	2020/10/22 13:50	2020/10/22 13:30		
COC Number			797693-05-01	797693-06-01	797693-06-01	797693-06-01		
	UNITS	**Criteria**	**BH117-20 0.7-2**	**BH124-20 0.8-2**	**BH122-20 0.8-1.75**	**BH1122-20 0.8-1.75**	**RDL**	**QC Batch**
Metals								
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	<0.20	<0.20	0.20	7029794
Acid Extractable Arsenic (As)	ug/g	18	4.6	3.9	4.4	5.3	1.0	7029794
Acid Extractable Barium (Ba)	ug/g	220	55	100	76	78	0.50	7029794
Acid Extractable Beryllium (Be)	ug/g	2.5	0.60	0.77	0.76	0.80	0.20	7029794
Acid Extractable Boron (B)	ug/g	36	5.9	6.6	6.4	6.4	5.0	7029794
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	0.15	<0.10	0.12	0.10	7029794
Acid Extractable Chromium (Cr)	ug/g	70	18	25	23	24	1.0	7029794
Acid Extractable Cobalt (Co)	ug/g	21	9.5	9.5	10	11	0.10	7029794
Acid Extractable Copper (Cu)	ug/g	92	30	25	31	34	0.50	7029794
Acid Extractable Lead (Pb)	ug/g	120	8.4	10	10	11	1.0	7029794
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	<0.50	<0.50	0.50	7029794
Acid Extractable Nickel (Ni)	ug/g	82	20	22	23	26	0.50	7029794
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	<0.50	<0.50	0.50	7029794
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	<0.20	<0.20	0.20	7029794
Acid Extractable Thallium (Tl)	ug/g	1	0.12	0.16	0.14	0.15	0.050	7029794
Acid Extractable Uranium (U)	ug/g	2.5	0.39	0.55	0.51	0.54	0.050	7029794
Acid Extractable Vanadium (V)	ug/g	86	26	36	35	34	5.0	7029794
Acid Extractable Zinc (Zn)	ug/g	290	47	51	57	59	5.0	7029794

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			NZD833	NZD838		
Sampling Date			2020/10/22 14:55	2020/10/22 15:40		
COC Number			797693-07-01	797693-07-01		
	UNITS	**Criteria**	**BH119-20 0.25-2**	**BH120-20 5-7**	**RDL**	**QC Batch**
Metals						
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	0.20	7029794
Acid Extractable Arsenic (As)	ug/g	18	4.3	4.0	1.0	7029794
Acid Extractable Barium (Ba)	ug/g	220	59	43	0.50	7029794
Acid Extractable Beryllium (Be)	ug/g	2.5	0.61	0.42	0.20	7029794
Acid Extractable Boron (B)	ug/g	36	5.0	5.8	5.0	7029794
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	<0.10	0.10	7029794
Acid Extractable Chromium (Cr)	ug/g	70	19	13	1.0	7029794
Acid Extractable Cobalt (Co)	ug/g	21	8.7	9.1	0.10	7029794
Acid Extractable Copper (Cu)	ug/g	92	33	31	0.50	7029794
Acid Extractable Lead (Pb)	ug/g	120	9.9	8.9	1.0	7029794
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	0.50	7029794
Acid Extractable Nickel (Ni)	ug/g	82	19	15	0.50	7029794
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	0.50	7029794
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	0.20	7029794
Acid Extractable Thallium (Tl)	ug/g	1	0.12	0.10	0.050	7029794
Acid Extractable Uranium (U)	ug/g	2.5	0.47	0.39	0.050	7029794
Acid Extractable Vanadium (V)	ug/g	86	29	21	5.0	7029794
Acid Extractable Zinc (Zn)	ug/g	290	52	37	5.0	7029794

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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TOWN OF CALEDON
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BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NZD813	NZD823	NZD829	NZD830		
Sampling Date			2020/10/22 08:35	2020/10/22 11:03	2020/10/22 13:50	2020/10/22 13:30		
COC Number			797693-05-01	797693-06-01	797693-06-01	797693-06-01		
	UNITS	**Criteria**	**BH117-20 0.7-2**	**BH124-20 0.8-2**	**BH122-20 0.8-1.75**	**BH1122-20 0.8-1.75**	**RDL**	**QC Batch**
Inorganics								
Moisture	%	-	7.5	12	10	10	1.0	7028461
Calculated Parameters								
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
Total Endosulfan	ug/g	-	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
Pesticides & Herbicides								
Aldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
o,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
p,p-DDD	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
o,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
p,p-DDE	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Dieldrin	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Lindane	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Endrin	ug/g	0.04	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Heptachlor	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Hexachlorobenzene	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Hexachlorobutadiene	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Hexachloroethane	ug/g	0.01	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Methoxychlor	ug/g	0.05	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7031470

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NZD813	NZD823	NZD829	NZD830		
Sampling Date			2020/10/22 08:35	2020/10/22 11:03	2020/10/22 13:50	2020/10/22 13:30		
COC Number			797693-05-01	797693-06-01	797693-06-01	797693-06-01		
	UNITS	**Criteria**	**BH117-20 0.7-2**	**BH124-20 0.8-2**	**BH122-20 0.8-1.75**	**BH1122-20 0.8-1.75**	**RDL**	**QC Batch**
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	70	67	73	72		7031470
Decachlorobiphenyl	%	-	99	97	101	108		7031470

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NZD833			NZD833		
Sampling Date			2020/10/22 14:55			2020/10/22 14:55		
COC Number			797693-07-01			797693-07-01		
	UNITS	**Criteria**	**BH119-20 0.25-2**	**RDL**	**QC Batch**	**BH119-20 0.25-2 Lab-Dup**	**RDL**	**QC Batch**
Inorganics								
Moisture	%	-	7.5	1.0	7028461			
Calculated Parameters								
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	7026908			
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	7026908			
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	7026908			
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	7026908			
Total Endosulfan	ug/g	-	<0.0020	0.0020	7026908			
Pesticides & Herbicides								
Aldrin	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
a-Chlordane	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
g-Chlordane	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
o,p-DDD	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
p,p-DDD	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
o,p-DDE	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
p,p-DDE	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
o,p-DDT	ug/g	1.4	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
p,p-DDT	ug/g	1.4	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Dieldrin	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Lindane	ug/g	0.01	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Endrin	ug/g	0.04	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Heptachlor	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Hexachlorobenzene	ug/g	0.01	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Hexachlorobutadiene	ug/g	0.01	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470
Hexachloroethane	ug/g	0.01	<0.0020	0.0020	7031470	<0.0020	0.0020	7031470

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NZD833			NZD833		
Sampling Date			2020/10/22 14:55			2020/10/22 14:55		
COC Number			797693-07-01			797693-07-01		
	UNITS	**Criteria**	**BH119-20 0.25-2**	**RDL**	**QC Batch**	**BH119-20 0.25-2 Lab-Dup**	**RDL**	**QC Batch**
Methoxychlor	ug/g	0.05	<0.0050	0.0050	7031470	<0.0050	0.0050	7031470
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	66		7031470	64		7031470
Decachlorobiphenyl	%	-	116		7031470	99		7031470

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

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Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NZD838			NZD838		
Sampling Date			2020/10/22 15:40			2020/10/22 15:40		
COC Number			797693-07-01			797693-07-01		
	UNITS	**Criteria**	**BH120-20 5-7**	**RDL**	**QC Batch**	**BH120-20 5-7 Lab-Dup**	**RDL**	**QC Batch**
Inorganics								
Moisture	%	-	8.2	1.0	7028461	8.1	1.0	7028461
Calculated Parameters								
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	7026908			
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	7026908			
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	7026908			
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	7026908			
Total Endosulfan	ug/g	-	<0.0020	0.0020	7026908			
Pesticides & Herbicides								
Aldrin	ug/g	0.05	<0.0020	0.0020	7031470			
a-Chlordane	ug/g	0.05	<0.0020	0.0020	7031470			
g-Chlordane	ug/g	0.05	<0.0020	0.0020	7031470			
o,p-DDD	ug/g	0.05	<0.0020	0.0020	7031470			
p,p-DDD	ug/g	0.05	<0.0020	0.0020	7031470			
o,p-DDE	ug/g	0.05	<0.0020	0.0020	7031470			
p,p-DDE	ug/g	0.05	<0.0020	0.0020	7031470			
o,p-DDT	ug/g	1.4	<0.0020	0.0020	7031470			
p,p-DDT	ug/g	1.4	<0.0020	0.0020	7031470			
Dieldrin	ug/g	0.05	<0.0020	0.0020	7031470			
Lindane	ug/g	0.01	<0.0020	0.0020	7031470			
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	7031470			
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	7031470			
Endrin	ug/g	0.04	<0.0020	0.0020	7031470			
Heptachlor	ug/g	0.05	<0.0020	0.0020	7031470			
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	7031470			
Hexachlorobenzene	ug/g	0.01	<0.0020	0.0020	7031470			
Hexachlorobutadiene	ug/g	0.01	<0.0020	0.0020	7031470			
Hexachloroethane	ug/g	0.01	<0.0020	0.0020	7031470			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
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Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			NZD838			NZD838		
Sampling Date			2020/10/22 15:40			2020/10/22 15:40		
COC Number			797693-07-01			797693-07-01		
	UNITS	**Criteria**	**BH120-20 5-7**	**RDL**	**QC Batch**	**BH120-20 5-7 Lab-Dup**	**RDL**	**QC Batch**
Methoxychlor	ug/g	0.05	<0.0050	0.0050	7031470			
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	70		7031470			
Decachlorobiphenyl	%	-	102		7031470			

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
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Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		NZD813	NZD823	NZD829	NZD830	NZD833	
Sampling Date		2020/10/22 08:35	2020/10/22 11:03	2020/10/22 13:50	2020/10/22 13:30	2020/10/22 14:55	
COC Number		797693-05-01	797693-06-01	797693-06-01	797693-06-01	797693-07-01	
	UNITS	**BH117-20 0.7-2**	**BH124-20 0.8-2**	**BH122-20 0.8-1.75**	**BH1122-20 0.8-1.75**	**BH119-20 0.25-2**	**QC Batch**
Inorganics							
Available (CaCl2) pH	pH	7.49	7.00	7.04	6.96	7.50	7032618
QC Batch = Quality Control Batch							

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: NZD813
Sample ID: BH117-20 0.7-2
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7029794	2020/10/30	2020/11/02	Viviana Canzonieri
Moisture	BAL	7028461	N/A	2020/10/29	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7032618	2020/11/02	2020/11/02	Neil Dassanayake

BV Labs ID: NZD823
Sample ID: BH124-20 0.8-2
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7029794	2020/10/30	2020/11/02	Viviana Canzonieri
Moisture	BAL	7028461	N/A	2020/10/29	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7032618	2020/11/02	2020/11/02	Neil Dassanayake

BV Labs ID: NZD829
Sample ID: BH122-20 0.8-1.75
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7029794	2020/10/30	2020/11/02	Viviana Canzonieri
Moisture	BAL	7028461	N/A	2020/10/29	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7032618	2020/11/02	2020/11/02	Neil Dassanayake

BV Labs ID: NZD830
Sample ID: BH1122-20 0.8-1.75
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7029794	2020/10/30	2020/11/02	Viviana Canzonieri
Moisture	BAL	7028461	N/A	2020/10/29	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7032618	2020/11/02	2020/11/02	Neil Dassanayake

BV Labs ID: NZD833
Sample ID: BH119-20 0.25-2
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7029794	2020/10/30	2020/11/02	Viviana Canzonieri
Moisture	BAL	7028461	N/A	2020/10/29	Prgya Panchal

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BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: NZD833
Sample ID: BH119-20 0.25-2
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7032618	2020/11/02	2020/11/02	Neil Dassanayake

BV Labs ID: NZD833 Dup
Sample ID: BH119-20 0.25-2
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng

BV Labs ID: NZD838
Sample ID: BH120-20 5-7
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7029794	2020/10/30	2020/11/02	Viviana Canzonieri
Moisture	BAL	7028461	N/A	2020/10/29	Prgya Panchal
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk

BV Labs ID: NZD838 Dup
Sample ID: BH120-20 5-7
Matrix: Soil

Collected: 2020/10/22
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	7028461	N/A	2020/10/29	Prgya Panchal

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Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

GENERAL COMMENTS

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

Package 1	0.3°C

Results relate only to the items tested.

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Feb 26, 2021

BV Labs Job #: C0S1138
Report Date: 2020/11/02

QUALITY ASSURANCE REPORT

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7031470	2,4,5,6-Tetrachloro-m-xylene	2020/10/31	68	50 - 130	76	50 - 130	71	%		
7031470	Decachlorobiphenyl	2020/10/31	112	50 - 130	118	50 - 130	112	%		
7028461	Moisture	2020/10/29							1.2	20
7029794	Acid Extractable Antimony (Sb)	2020/11/02	100	75 - 125	104	80 - 120	<0.20	ug/g	NC	30
7029794	Acid Extractable Arsenic (As)	2020/11/02	95	75 - 125	100	80 - 120	<1.0	ug/g	3.0	30
7029794	Acid Extractable Barium (Ba)	2020/11/02	NC	75 - 125	97	80 - 120	<0.50	ug/g	4.2	30
7029794	Acid Extractable Beryllium (Be)	2020/11/02	95	75 - 125	95	80 - 120	<0.20	ug/g	NC	30
7029794	Acid Extractable Boron (B)	2020/11/02	92	75 - 125	97	80 - 120	<5.0	ug/g	6.9	30
7029794	Acid Extractable Cadmium (Cd)	2020/11/02	97	75 - 125	100	80 - 120	<0.10	ug/g	NC	30
7029794	Acid Extractable Chromium (Cr)	2020/11/02	NC	75 - 125	98	80 - 120	<1.0	ug/g	1.5	30
7029794	Acid Extractable Cobalt (Co)	2020/11/02	94	75 - 125	100	80 - 120	<0.10	ug/g	0.23	30
7029794	Acid Extractable Copper (Cu)	2020/11/02	95	75 - 125	99	80 - 120	<0.50	ug/g	2.5	30
7029794	Acid Extractable Lead (Pb)	2020/11/02	96	75 - 125	102	80 - 120	<1.0	ug/g	0.51	30
7029794	Acid Extractable Molybdenum (Mo)	2020/11/02	97	75 - 125	102	80 - 120	<0.50	ug/g	NC	30
7029794	Acid Extractable Nickel (Ni)	2020/11/02	98	75 - 125	99	80 - 120	<0.50	ug/g	4.1	30
7029794	Acid Extractable Selenium (Se)	2020/11/02	99	75 - 125	107	80 - 120	<0.50	ug/g	NC	30
7029794	Acid Extractable Silver (Ag)	2020/11/02	97	75 - 125	103	80 - 120	<0.20	ug/g	NC	30
7029794	Acid Extractable Thallium (Tl)	2020/11/02	95	75 - 125	101	80 - 120	<0.050	ug/g	15	30
7029794	Acid Extractable Uranium (U)	2020/11/02	96	75 - 125	99	80 - 120	<0.050	ug/g	3.3	30
7029794	Acid Extractable Vanadium (V)	2020/11/02	NC	75 - 125	98	80 - 120	<5.0	ug/g	4.3	30
7029794	Acid Extractable Zinc (Zn)	2020/11/02	93	75 - 125	95	80 - 120	<5.0	ug/g	3.0	30
7031470	a-Chlordane	2020/10/31	67	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7031470	Aldrin	2020/10/31	61	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7031470	Dieldrin	2020/10/31	76	50 - 130	79	50 - 130	<0.0020	ug/g	NC	40
7031470	Endosulfan I (alpha)	2020/10/31	74	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
7031470	Endosulfan II (beta)	2020/10/31	62	50 - 130	69	50 - 130	<0.0020	ug/g	NC	40
7031470	Endrin	2020/10/31	73	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
7031470	g-Chlordane	2020/10/31	64	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
7031470	Heptachlor epoxide	2020/10/31	62	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
7031470	Heptachlor	2020/10/31	63	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40
7031470	Hexachlorobenzene	2020/10/31	64	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40

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BV Labs Job #: C0S1138
Report Date: 2020/11/02

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7031470	Hexachlorobutadiene	2020/10/31	66	50 - 130	88	50 - 130	<0.0020	ug/g	NC	40
7031470	Hexachloroethane	2020/10/31	51	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7031470	Lindane	2020/10/31	67	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7031470	Methoxychlor	2020/10/31	82	50 - 130	87	50 - 130	<0.0050	ug/g	NC	40
7031470	o,p-DDD	2020/10/31	70	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7031470	o,p-DDE	2020/10/31	78	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7031470	o,p-DDT	2020/10/31	76	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
7031470	p,p-DDD	2020/10/31	66	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7031470	p,p-DDE	2020/10/31	86	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7031470	p,p-DDT	2020/10/31	78	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
7032618	Available (CaCl2) pH	2020/11/02			100	97 - 103			0.083	N/A

N/A = Not Applicable

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

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

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

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

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

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

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

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TOWN OF CALEDON
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Feb 26, 2021

BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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

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

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

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

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TOWN OF CALEDON
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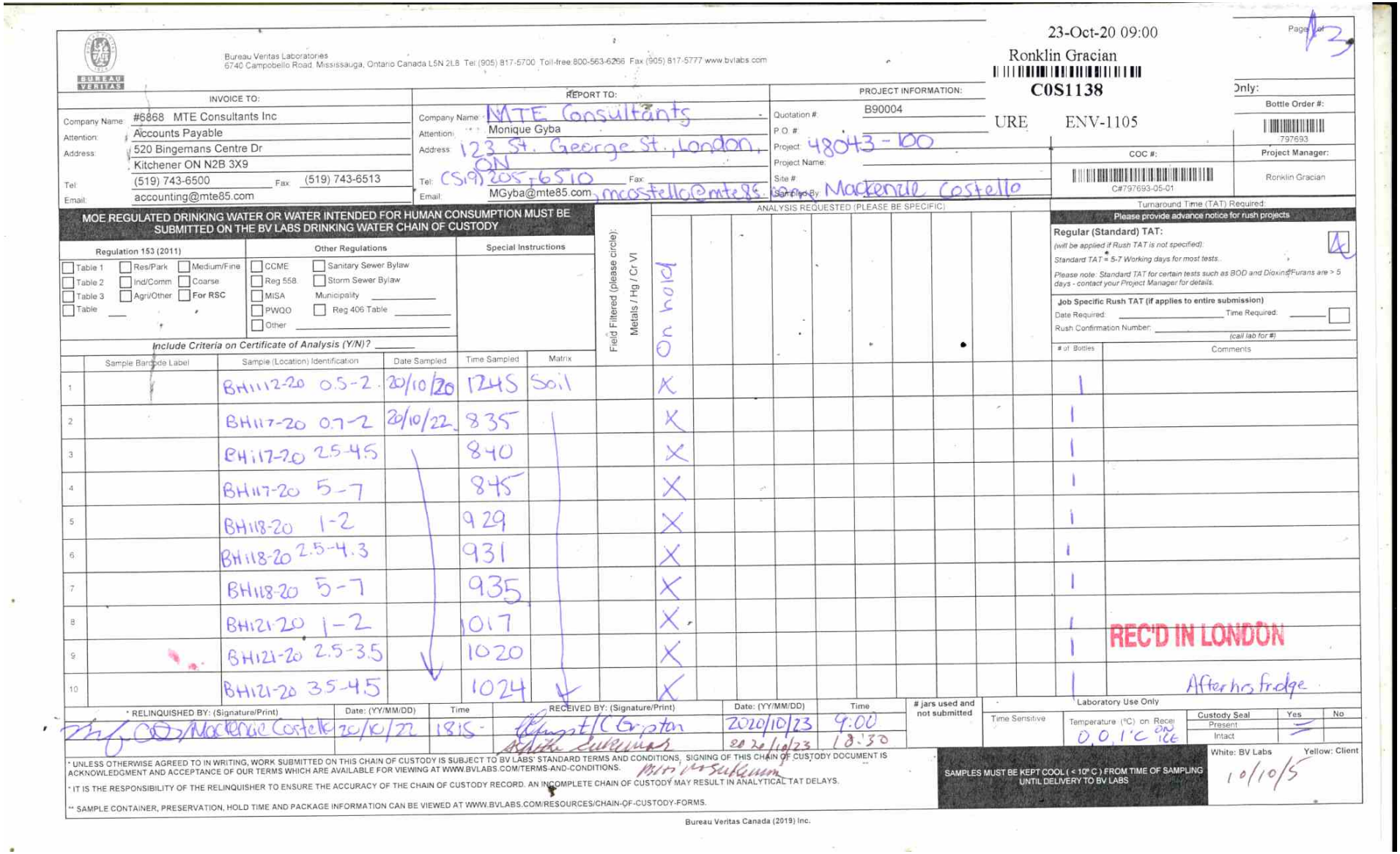

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23-Oct-20 09:00
Ronklin Gracian
C0S1138

Page 1 of 3

INVOICE TO:
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO:
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St. George St., London, ON
Tel: (519) 205-6510 Fax:
Email: MGyba@mte85.com, mcostello@mte85.com

PROJECT INFORMATION:
Quotation #: B90004
P.O. #:
Project: 48043-100
Project Name:
Site #:
Sampled By: Mackenzie Costello

URE ENV-1105

Only:
Bottle Order #: 797693
COC #: C#797693-05-01
Project Manager: Ronklin Gracian

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

Regulation 153 (2011): Table 1, Table 2, Table 3, Table ___; Res/Park, Ind/Comm, Agri/Other; Medium/Fine, Coarse, For RSC
Other Regulations: CCME, Reg 558, MISA, PWQO, Other; Sanitary Sewer Bylaw, Storm Sewer Bylaw, Municipality, Reg 406 Table
Special Instructions
Include Criteria on Certificate of Analysis (Y/N)? ___

Field Filtered (please circle): Metals / Hg / Cr VI — On hold

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required:
Please provide advance notice for rush projects
Regular (Standard) TAT: 4
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___ (call lab for #)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	On hold	# of Bottles	Comments
1		BH112-20 0.5-2	20/10/20	1245	Soil		X	1	
2		BH117-20 0.7-2	20/10/22	835			X	1	
3		BH117-20 2.5-4.5		840			X	1	
4		BH117-20 5-7		845			X	1	
5		BH118-20 1-2		929			X	1	
6		BH118-20 2.5-4.3		931			X	1	
7		BH118-20 5-7		935			X	1	
8		BH121-20 1-2		1017			X	1	
9		BH121-20 2.5-3.5		1020			X	1	REC'D IN LONDON
10		BH121-20 3.5-4.5		1024			X	1	After ho fridge

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mackenzie Costello	20/10/22	1815	Elizabeth Crichton	2020/10/23	9:00	
			Michelle Zuberman	2020/10/23	18:30	

Laboratory Use Only
Time Sensitive
Temperature (°C) on Receipt: 0.0, 1°C ON ICE
Custody Seal: Present, Intact — Yes, No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS. Mike Mosselman
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

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

White: BV Labs Yellow: Client
10/10/5

Bureau Veritas Canada (2019) Inc.

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CHAIN OF CUSTODY RECORD

INVOICE TO:	REPORT TO:	PROJECT INFORMATION:	Laboratory Use Only:
Company Name: #6868 MTE Consultants Inc	Company Name: MTE Consultants	Quotation #: B90004	BV Labs Job #: / Bottle Order #: 797693
Attention: Accounts Payable	Attention: Monique Gyba	P.O. #:	
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9	Address: 123 St. George St, London, ON	Project: 48043-100	COC #: C#797693-06-01 / Project Manager: Ronklin Gracian
Tel: (519) 743-6500 Fax: (519) 743-6513	Tel: (519) 205-6570 Fax:	Project Name:	
Email: accounting@mte85.com	Email: MGyba@mte85.com, mcastello@mte85.com	Site #: Sampled By: MacKenzie Castello	

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	Hold	# of Bottles	Comments
1		BH121-20 5-7	20/10/22	1028	Soil		X	1	
2		BH124-20 0.8-2		1103			X	1	
3		BH124-20 2.5-3.75		1110			X	1	
4		BH123-20 5-7		1115			X	1	
5		BH123-20 0.5-2		1247			X	1	
6		BH123-20 3-4.5		1253			X	1	
7		BH123-20 5-7		1300			X	1	
8		BH122-20 0.8-1.75		1350			X	1	
9		BH122-20 08-1.75		1330			X	1	REC'D IN LONDON
10		BH122-20 25-4		1356			X	1	After hr fridge

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
MacKenzie Castello/MCast	20/10/22	1815	Evan Gryp E/C Grupton	20/10/23	9:00	

Laboratory Use Only				
Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
	0.0 / 1.0 °C ON ICE	Present	✓	
		Intact		

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

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

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

TOWN OF CALEDON
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Feb 26, 2021

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

CHAIN OF CUSTODY RECORD

INVOICE TO:
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO:
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St. George St., London, ON
Tel: (519) 205-6510 Fax:
Email: MGyba@mte85.com, mcostello@mte85.com

PROJECT INFORMATION:
Quotation #: B90004
P.O. #: 48043-100
Project:
Project Name:
Site #:
Sampled By: Mackenzie Costello

Laboratory Use Only:
BV Labs Job #:
Bottle Order #: 797693
COC #: C#797693-07-01
Project Manager: Ronklin Gracian

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

Regulation 153 (2011): ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___
Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other
Special Instructions:
Include Criteria on Certificate of Analysis (Y/N)? ___

Turnaround Time (TAT) Required:
Please provide advance notice for rush projects
Regular (Standard) TAT: ☒
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: Time Required: ☐
Rush Confirmation Number: *(call lab for #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC): Cold Co	# of Bottles	Comments
1		BH122-20 5-7	20/10/22	1400	Soil		X	1	
2		BH119-20 0.25-2		1455			X	1	
3		BH119-20 2.5-4.5		1500			X	1	
4		BH119-20 5-7		1506			X	1	
5		BH120-20 1-2		1528			X	1	
6		BH120-20 2.5-4.5		1535			X	1	
7		BH120-20 5-7		1540			X	1	
8									
9									REC'D IN LONDON
10									After lns fridge

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
MGyba/Mackenzie Costello	20/10/22	1815.	Mgyba / C. Gupta. See Page 1	20/10/23	9:00	

Laboratory Use Only: Time Sensitive ☐ Temperature (°C) on Receipt 0.0, 1°C on ice ☐ Custody Seal Present ☐ Intact ☐ Yes ☐ No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.
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** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

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

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BV Labs Job #: C0S1138
Report Date: 2020/11/02

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res

Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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

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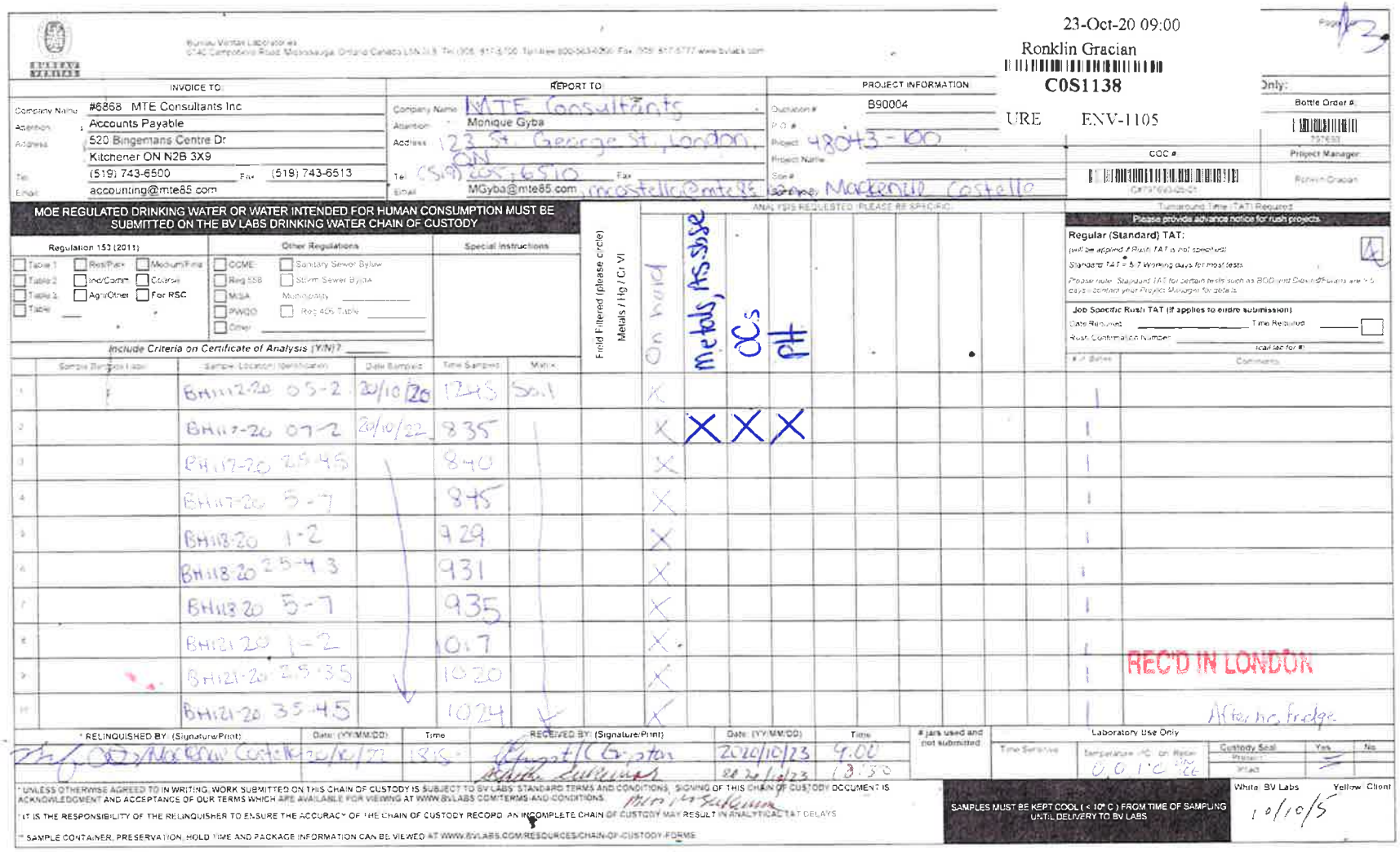
Feb 26, 2021



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

23-Oct-20 09:00
Ronklin Gracian
C0S1138

Page 1 of 3

INVOICE TO		REPORT TO		PROJECT INFORMATION	
Company Name	#6868 MTE Consultants Inc	Company Name	MTE Consultants	Quotation #	B90004
Attention	Accounts Payable	Attention	Monique Gyba	P.O. #	
Address	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address	123 St. George St, London, ON	Project	48043-100
Tel	(519) 743-6500 Fax (519) 743-6513	Tel	(519) 645-6510 Fax	Project Name	
Email	accounting@mte85.com	Email	MGyba@mte85.com, rrocostello@mte85.com	Site #	
				Sampled By	MacKenzie Costello

COC #: 737693

Bottle Order #:

Project Manager: Ronklin Gracian

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

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

Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other

Special Instructions

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample Location / Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On Hold	Metals, As, SSSE	OCs	pH	# of Bottles	Comments
1		BH117-20 SS-2	20/10/20	1245	Soil		X				1	
2		BH117-20 GT-2	20/10/22	835			X	X	X	X	1	
3		BH117-20 2.5-4.5		840			X				1	
4		BH117-20 5-7		845			X				1	
5		BH118-20 1-2		929			X				1	
6		BH118-20 2.5-4.3		931			X				1	
7		BH118-20 5-7		935			X				1	
8		BH121-20 1-2		1017			X				1	
9		BH121-20 2.5-3.5		1020			X				1	REC'D IN LONDON
10		BH121-20 3.5-4.5		1024			X				1	After ins fridge

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
MacKenzie Costello	20/10/22	1315	Bhagat/C Gaston	2020/10/23	9:00	
			Mitch Sullivan	20/10/23	10:30	

Laboratory Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
	0.0 1.0 °C	Intact	✓	

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

White: BV Labs Yellow: Client

10/10/5

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CHAIN OF CUSTODY RECORD

INVOICE TO	REPORT TO	PROJECT INFORMATION	Laboratory Use Only:
Company Name: #6868 MTE Consultants Inc	Company Name: MTE Consultants	Quotation #: B90004	BV Labs Job #:
Attention: Accounts Payable	Attention*: Monique Gyba	P.O. #:	Bottle Order #:
Address: 520 Bingemans Centre Dr	Address: 123 St George St, London, ON	Project: 480043-100	
Kitchener ON N2B 3X9	Tel: (519) 204-6570 Fax:	Project Name:	COC #:
Tel: (519) 743-6500 Fax: (519) 743-6513	Email: MGyba@mte85.com mcostello@mte85.com	Site #:	Project Manager:
Email: accounting@mte85.com	Sampled By: MacKenzie Costello	C#975553-06-01	Ramsic Dhaliwal

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine	☐ CCME ☐ Sanitary Sewer By-law	
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ Reg 153 ☐ Storm Sewer By-law	
☐ Table 3 ☐ Agri/Other ☐ For RSC	☐ MISA Municipality ____	
☐ Table ____	☐ PWQO ☐ Reg 406 Table ____	
	☐ Other ____	

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

Regular (Standard) TAT: (will be applied if Rush TAT is not specified) ☒

Standard TAT = 5-7 Working days for most tests

Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are 5 days - contact your Project Manager for details

Job Specific Rush TAT (if applies to entire submission)

Date Required: ____ Time Required: ____ ☐

Rush Confirmation Number: ____ (call lab for #)

	Sample Barcode Label	Sample Location/Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	Field Preserved	Metals As Sb Se	CrVI	pH	# of Bottles	Comments
1		BH121-20 5-7	20/10/22	1028	Soil		X				1	
2		BH124-20 0.3-2		1103			X	X	X	X	1	
3		BH124-20 2.5-3.75		1110			X				1	
4		BH124-20 5-7		11.15			X				1	
5		BH123-20 0.5-2		12.47			X				1	
6		BH123-20 3-4.5		1253			X				1	
7		BH123-20 5-7		1300			X				1	
8		BH122-20 0.3-1.75		1350			X	X	X	X	1	
9		BH122-20 0.3-1.75		1330			X	X	X	X	1	
10		BH122-20 2.5-4		1356			X				1	REC'D IN LONDON After hr fridge

* RELINQUISHED BY (Signature/Print)	Date (YY/MM/DD)	Time	RECEIVED BY (Signature/Print)	Date (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
MacKenzie Costello	22/10/22	13:5	[signature] See Right!	20/10/23	9:00			0.01 C	Intact	✓	

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

TOWN OF CALEDON
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Feb 26, 2021

Bureau Veritas Laboratories
6741 Campobello Road, Mississauga, Ontario Canada L5N 2L8 Tel (905) 817-5700 Toll Free 800 563 6266 Fax (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 3 of 3

INVOICE TO:		REPORT TO		PROJECT INFORMATION		Laboratory Use Only:	
Company Name	#6868 MTE Consultants Inc	Company Name	MTE Consultants	Quotation #	B90004	BV Labs Job #	Bottle Order #
Attention	Accounts Payable	Attention	Monique Gyba	P.O. #			
Address	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address	23 St. George St. London ON	Project	48043-100		
Tel	(519) 743-6500 Fax (519) 743-6513	Tel	(519) 204-6510 Fax	Project Name		COC #	Project Manager
Email	accounting@mte85.com	Email	MGyba@mte85.com mcastello@mte85.com	Site #			
				Sampled By	Mackenzie Castello		Reason Group

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample Location/Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On Hold	Metals As Sb Se	pH	OCs	# of Bottles	Comments
1		BH122-20 5-7	20/10/22	1400	Soil		X				1	
2		BH119-20 0.26-2		1455			X	X	X	X	1	
3		BH119-20 2.5-4.5		1520			X				1	
4		BH119-20 5-7		1540			X				1	
5		BH120-20 1-2		1523			X				1	
6		BH120-20 2.5-4.5		1535			X				1	
7		BH120-20 5-7		1540			X	X	X	X	1	
8												
9												
10												

REC'D IN LONDON
After Lng fridge

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Time Sensitive
MCastello/Mackenzie Castello	20/10/22	13:15	Egypt / Gyba See Excel	20/10/22	9:00		

Laboratory Use Only
Temperature (°C) on Receipt: 0.0, 1°C, 2.0
Custody Seal Present: Yes / No
Intact: Yes / No

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

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

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Feb 26, 2021

Your Project #: 48043-100
Your C.O.C. #: 153072, 153073, 153075, 153076

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/04
Report #: R6398040
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S1191
Received: 2020/10/23, 17:55

Sample Matrix: Soil
Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	6	N/A	2020/11/03	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	6	2020/11/02	2020/11/03	CAM SOP-00316	CCME CWS m
Strong Acid Leachable Metals by ICPMS	7	2020/11/03	2020/11/03	CAM SOP-00447	EPA 6020B m
Moisture	6	N/A	2020/11/02	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (3)	3	2020/11/03	2020/11/03	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	3	N/A	2020/11/03	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	2	2020/11/03	2020/11/03	CAM SOP-00413	EPA 9045 D m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1

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BUREAU VERITAS

Your Project #: 48043-100
Your C.O.C. #: 153072, 153073, 153075, 153076

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/04
Report #: R6398040
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S1191
Received: 2020/10/23, 17:55

Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.
(3) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Ronklin Gracian
Project Manager
04 Nov 2020 18:01:04

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

==========

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

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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BV Labs Job #: C0S1191
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

O.REG 153 METALS GROUP 1.2.2 (SOIL)

BV Labs ID				NZE400	NZE401		
Sampling Date				2020/10/23 11:45	2020/10/23 12:30		
COC Number				153072	153072		
	UNITS	**Criteria**	**Criteria-2**	**SS1-20**	**SS2-20**	**RDL**	**QC Batch**
Metals							
Acid Extractable Barium (Ba)	ug/g	220	390	120	64	0.50	7034798
Acid Extractable Beryllium (Be)	ug/g	2.5	4	0.56	0.64	0.20	7034798
Acid Extractable Boron (B)	ug/g	36	120	7.0	5.4	5.0	7034798
Acid Extractable Cadmium (Cd)	ug/g	1.2	1.2	0.34	0.19	0.10	7034798
Acid Extractable Chromium (Cr)	ug/g	70	160	17	18	1.0	7034798
Acid Extractable Cobalt (Co)	ug/g	21	22	8.5	8.9	0.10	7034798
Acid Extractable Copper (Cu)	ug/g	92	140	28	27	0.50	7034798
Acid Extractable Lead (Pb)	ug/g	120	120	100	35	1.0	7034798
Acid Extractable Molybdenum (Mo)	ug/g	2	6.9	<0.50	<0.50	0.50	7034798
Acid Extractable Nickel (Ni)	ug/g	82	100	17	19	0.50	7034798
Acid Extractable Silver (Ag)	ug/g	0.5	20	<0.20	<0.20	0.20	7034798
Acid Extractable Thallium (Tl)	ug/g	1	1	0.13	0.12	0.050	7034798
Acid Extractable Uranium (U)	ug/g	2.5	23	0.41	0.41	0.050	7034798
Acid Extractable Vanadium (V)	ug/g	86	86	24	28	5.0	7034798
Acid Extractable Zinc (Zn)	ug/g	290	340	120	68	5.0	7034798

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
Criteria-2: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Coarse Textured Soil

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TOWN OF CALEDON
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BV Labs Job #: C0S1191
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID				NZE402		NZE414		
Sampling Date				2020/10/23 09:05		2020/10/23 09:45		
COC Number				153072		153073		
	UNITS	**Criteria**	**Criteria-2**	**BH202-20 0.5-2**	**QC Batch**	**BH205-20 0.5-2**	**RDL**	**QC Batch**
Metals								
Acid Extractable Antimony (Sb)	ug/g	1.3	7.5	<0.20	7034757	<0.20	0.20	7034798
Acid Extractable Arsenic (As)	ug/g	18	18	3.3	7034757	3.2	1.0	7034798
Acid Extractable Barium (Ba)	ug/g	220	390	57	7034757	46	0.50	7034798
Acid Extractable Beryllium (Be)	ug/g	2.5	4	0.45	7034757	0.61	0.20	7034798
Acid Extractable Boron (B)	ug/g	36	120	<5.0	7034757	<5.0	5.0	7034798
Acid Extractable Cadmium (Cd)	ug/g	1.2	1.2	0.18	7034757	0.11	0.10	7034798
Acid Extractable Chromium (Cr)	ug/g	70	160	15	7034757	18	1.0	7034798
Acid Extractable Cobalt (Co)	ug/g	21	22	8.1	7034757	9.1	0.10	7034798
Acid Extractable Copper (Cu)	ug/g	92	140	32	7034757	19	0.50	7034798
Acid Extractable Lead (Pb)	ug/g	120	120	17	7034757	14	1.0	7034798
Acid Extractable Molybdenum (Mo)	ug/g	2	6.9	<0.50	7034757	<0.50	0.50	7034798
Acid Extractable Nickel (Ni)	ug/g	82	100	17	7034757	15	0.50	7034798
Acid Extractable Selenium (Se)	ug/g	1.5	2.4	<0.50	7034757	<0.50	0.50	7034798
Acid Extractable Silver (Ag)	ug/g	0.5	20	<0.20	7034757	<0.20	0.20	7034798
Acid Extractable Thallium (Tl)	ug/g	1	1	0.10	7034757	0.12	0.050	7034798
Acid Extractable Uranium (U)	ug/g	2.5	23	0.34	7034757	0.43	0.050	7034798
Acid Extractable Vanadium (V)	ug/g	86	86	27	7034757	29	5.0	7034798
Acid Extractable Zinc (Zn)	ug/g	290	340	68	7034757	53	5.0	7034798

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
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Client Project #: 48043-100
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O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID				NZE445	NZE445	NZE448		
Sampling Date				2020/10/23 11:10	2020/10/23 11:10	2020/10/23 12:55		
COC Number				153075	153075	153075		
	UNITS	**Criteria**	**Criteria-2**	**BH203-20 2.5-4.5**	**BH203-20 2.5-4.5 Lab-Dup**	**BH201-20 0.5-2**	**RDL**	**QC Batch**
Metals								
Acid Extractable Antimony (Sb)	ug/g	1.3	7.5	<0.20	<0.20	<0.20	0.20	7035537
Acid Extractable Arsenic (As)	ug/g	18	18	4.6	4.7	4.1	1.0	7035537
Acid Extractable Barium (Ba)	ug/g	220	390	66	63	65	0.50	7035537
Acid Extractable Beryllium (Be)	ug/g	2.5	4	0.61	0.61	0.60	0.20	7035537
Acid Extractable Boron (B)	ug/g	36	120	7.3	7.1	<5.0	5.0	7035537
Acid Extractable Cadmium (Cd)	ug/g	1.2	1.2	<0.10	<0.10	0.19	0.10	7035537
Acid Extractable Chromium (Cr)	ug/g	70	160	19	18	18	1.0	7035537
Acid Extractable Cobalt (Co)	ug/g	21	22	10	10	9.8	0.10	7035537
Acid Extractable Copper (Cu)	ug/g	92	140	30	29	25	0.50	7035537
Acid Extractable Lead (Pb)	ug/g	120	120	9.6	9.2	11	1.0	7035537
Acid Extractable Molybdenum (Mo)	ug/g	2	6.9	<0.50	<0.50	<0.50	0.50	7035537
Acid Extractable Nickel (Ni)	ug/g	82	100	22	21	17	0.50	7035537
Acid Extractable Selenium (Se)	ug/g	1.5	2.4	<0.50	<0.50	<0.50	0.50	7035537
Acid Extractable Silver (Ag)	ug/g	0.5	20	<0.20	<0.20	<0.20	0.20	7035537
Acid Extractable Thallium (Tl)	ug/g	1	1	0.14	0.11	0.12	0.050	7035537
Acid Extractable Uranium (U)	ug/g	2.5	23	0.43	0.41	0.45	0.050	7035537
Acid Extractable Vanadium (V)	ug/g	86	86	28	27	27	5.0	7035537
Acid Extractable Zinc (Zn)	ug/g	290	340	52	49	61	5.0	7035537

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
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MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID				NZE465		
Sampling Date				2020/10/23 13:50		
COC Number				153076		
	UNITS	**Criteria**	**Criteria-2**	**MW102-20 1-2**	**RDL**	**QC Batch**
Metals						
Acid Extractable Antimony (Sb)	ug/g	1.3	7.5	<0.20	0.20	7034798
Acid Extractable Arsenic (As)	ug/g	18	18	4.3	1.0	7034798
Acid Extractable Barium (Ba)	ug/g	220	390	56	0.50	7034798
Acid Extractable Beryllium (Be)	ug/g	2.5	4	0.54	0.20	7034798
Acid Extractable Boron (B)	ug/g	36	120	6.5	5.0	7034798
Acid Extractable Cadmium (Cd)	ug/g	1.2	1.2	<0.10	0.10	7034798
Acid Extractable Chromium (Cr)	ug/g	70	160	17	1.0	7034798
Acid Extractable Cobalt (Co)	ug/g	21	22	9.6	0.10	7034798
Acid Extractable Copper (Cu)	ug/g	92	140	31	0.50	7034798
Acid Extractable Lead (Pb)	ug/g	120	120	7.4	1.0	7034798
Acid Extractable Molybdenum (Mo)	ug/g	2	6.9	<0.50	0.50	7034798
Acid Extractable Nickel (Ni)	ug/g	82	100	19	0.50	7034798
Acid Extractable Selenium (Se)	ug/g	1.5	2.4	<0.50	0.50	7034798
Acid Extractable Silver (Ag)	ug/g	0.5	20	<0.20	0.20	7034798
Acid Extractable Thallium (Tl)	ug/g	1	1	0.082	0.050	7034798
Acid Extractable Uranium (U)	ug/g	2.5	23	0.39	0.050	7034798
Acid Extractable Vanadium (V)	ug/g	86	86	24	5.0	7034798
Acid Extractable Zinc (Zn)	ug/g	290	340	52	5.0	7034798

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Soil - Residential/Parkland/Institutional Property Use - Coarse Textured Soil

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MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID				NZE402	NZE414	NZE465		
Sampling Date				2020/10/23 09:05	2020/10/23 09:45	2020/10/23 13:50		
COC Number				153072	153073	153076		
	UNITS	**Criteria**	**Criteria-2**	**BH202-20 0.5-2**	**BH205-20 0.5-2**	**MW102-20 1-2**	**RDL**	**QC Batch**
Calculated Parameters								
Chlordane (Total)	ug/g	0.05	0.05	<0.0020	<0.0020	<0.0020	0.0020	7033093
o,p-DDD + p,p-DDD	ug/g	-	3.3	<0.0020	<0.0020	<0.0020	0.0020	7033093
o,p-DDE + p,p-DDE	ug/g	-	0.26	<0.0020	<0.0020	<0.0020	0.0020	7033093
o,p-DDT + p,p-DDT	ug/g	-	1.4	<0.0020	<0.0020	<0.0020	0.0020	7033093
Total Endosulfan	ug/g	-	0.05	<0.0020	<0.0020	<0.0020	0.0020	7033093
Pesticides & Herbicides								
Aldrin	ug/g	0.05	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
a-Chlordane	ug/g	0.05	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
g-Chlordane	ug/g	0.05	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
o,p-DDD	ug/g	0.05	3.3	<0.0020	<0.0020	<0.0020	0.0020	7034537
p,p-DDD	ug/g	0.05	3.3	<0.0020	<0.0020	<0.0020	0.0020	7034537
o,p-DDE	ug/g	0.05	0.26	<0.0020	<0.0020	<0.0020	0.0020	7034537
p,p-DDE	ug/g	0.05	0.26	<0.0020	<0.0020	<0.0020	0.0020	7034537
o,p-DDT	ug/g	1.4	1.4	<0.0020	<0.0020	<0.0020	0.0020	7034537
p,p-DDT	ug/g	1.4	1.4	<0.0020	<0.0020	<0.0020	0.0020	7034537
Dieldrin	ug/g	0.05	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
Lindane	ug/g	0.01	0.056	<0.0020	<0.0020	<0.0020	0.0020	7034537
Endosulfan I (alpha)	ug/g	0.04	0.04	<0.0020	<0.0020	<0.0020	0.0020	7034537
Endosulfan II (beta)	ug/g	0.04	0.04	<0.0020	<0.0020	<0.0020	0.0020	7034537
Endrin	ug/g	0.04	0.04	<0.0020	<0.0020	<0.0020	0.0020	7034537
Heptachlor	ug/g	0.05	0.15	<0.0020	<0.0020	<0.0020	0.0020	7034537
Heptachlor epoxide	ug/g	0.05	0.05	<0.0020	<0.0020	<0.0020	0.0020	7034537
Hexachlorobenzene	ug/g	0.01	0.52	<0.0020	<0.0020	<0.0020	0.0020	7034537
Hexachlorobutadiene	ug/g	0.01	0.012	<0.0020	<0.0020	<0.0020	0.0020	7034537
Hexachloroethane	ug/g	0.01	0.089	<0.0020	<0.0020	<0.0020	0.0020	7034537
Methoxychlor	ug/g	0.05	0.13	<0.0050	<0.0050	<0.0050	0.0050	7034537

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
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Soil - Residential/Parkland/Institutional Property Use - Coarse Textured Soil

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MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID				NZE402	NZE414	NZE465		
Sampling Date				2020/10/23 09:05	2020/10/23 09:45	2020/10/23 13:50		
COC Number				153072	153073	153076		
	UNITS	**Criteria**	**Criteria-2**	**BH202-20 0.5-2**	**BH205-20 0.5-2**	**MW102-20 1-2**	**RDL**	**QC Batch**
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	-	80	71	76		7034537
Decachlorobiphenyl	%	-	-	110	96	104		7034537

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
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Sampler Initials: SC

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

BV Labs ID				NZE400	NZE401		NZE402	NZE414		
Sampling Date				2020/10/23 11:45	2020/10/23 12:30		2020/10/23 09:05	2020/10/23 09:45		
COC Number				153072	153072		153072	153073		
	UNITS	**Criteria**	**Criteria-2**	**SS1-20**	**SS2-20**	**QC Batch**	**BH202-20 0.5-2**	**BH205-20 0.5-2**	**RDL**	**QC Batch**
Inorganics										
Moisture	%	-	-	14	13	7033522	14	13	1.0	7033723
BTEX & F1 Hydrocarbons										
Benzene	ug/g	0.02	0.21	<0.020	<0.020	7033893	<0.020	<0.020	0.020	7033893
Toluene	ug/g	0.2	2.3	<0.020	<0.020	7033893	<0.020	<0.020	0.020	7033893
Ethylbenzene	ug/g	0.05	1.1	<0.020	<0.020	7033893	<0.020	<0.020	0.020	7033893
o-Xylene	ug/g	-	-	<0.020	<0.020	7033893	<0.020	<0.020	0.020	7033893
p+m-Xylene	ug/g	-	-	<0.040	<0.040	7033893	<0.040	<0.040	0.040	7033893
Total Xylenes	ug/g	0.05	3.1	<0.040	<0.040	7033893	<0.040	<0.040	0.040	7033893
F1 (C6-C10)	ug/g	25	55	<10	<10	7033893	<10	<10	10	7033893
F1 (C6-C10) - BTEX	ug/g	25	55	<10	<10	7033893	<10	<10	10	7033893
F2-F4 Hydrocarbons										
F2 (C10-C16 Hydrocarbons)	ug/g	10	98	<10	**13**	7034377	<10	<10	10	7034377
F3 (C16-C34 Hydrocarbons)	ug/g	240	300	<50	220	7034377	<50	<50	50	7034377
F4 (C34-C50 Hydrocarbons)	ug/g	120	2800	<50	<50	7034377	<50	<50	50	7034377
Reached Baseline at C50	ug/g	-	-	Yes	Yes	7034377	Yes	Yes		7034377
Surrogate Recovery (%)										
1,4-Difluorobenzene	%	-	-	104	104	7033893	102	104		7033893
4-Bromofluorobenzene	%	-	-	98	94	7033893	95	96		7033893
D10-o-Xylene	%	-	-	89	92	7033893	92	92		7033893
D4-1,2-Dichloroethane	%	-	-	100	98	7033893	98	94		7033893
o-Terphenyl	%	-	-	102	95	7034377	98	96		7034377

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
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Client Project #: 48043-100
Sampler Initials: SC

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

BV Labs ID				NZE418		NZE465		
Sampling Date				2020/10/23 10:15		2020/10/23 13:50		
COC Number				153073		153076		
	UNITS	**Criteria**	**Criteria-2**	**BH204-20 0.5-2**	**QC Batch**	**MW102-20 1-2**	**RDL**	**QC Batch**
Inorganics								
Moisture	%	-	-	15	7033522	11	1.0	7033723
BTEX & F1 Hydrocarbons								
Benzene	ug/g	0.02	0.21	<0.020	7033893	<0.020	0.020	7033893
Toluene	ug/g	0.2	2.3	<0.020	7033893	<0.020	0.020	7033893
Ethylbenzene	ug/g	0.05	1.1	<0.020	7033893	<0.020	0.020	7033893
o-Xylene	ug/g	-	-	<0.020	7033893	<0.020	0.020	7033893
p+m-Xylene	ug/g	-	-	<0.040	7033893	<0.040	0.040	7033893
Total Xylenes	ug/g	0.05	3.1	<0.040	7033893	<0.040	0.040	7033893
F1 (C6-C10)	ug/g	25	55	<10	7033893	<10	10	7033893
F1 (C6-C10) - BTEX	ug/g	25	55	<10	7033893	<10	10	7033893
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/g	10	98	<10	7034377	<10	10	7034377
F3 (C16-C34 Hydrocarbons)	ug/g	240	300	<50	7034377	<50	50	7034377
F4 (C34-C50 Hydrocarbons)	ug/g	120	2800	<50	7034377	<50	50	7034377
Reached Baseline at C50	ug/g	-	-	Yes	7034377	Yes		7034377
Surrogate Recovery (%)								
1,4-Difluorobenzene	%	-	-	103	7033893	104		7033893
4-Bromofluorobenzene	%	-	-	97	7033893	100		7033893
D10-o-Xylene	%	-	-	91	7033893	95		7033893
D4-1,2-Dichloroethane	%	-	-	96	7033893	99		7033893
o-Terphenyl	%	-	-	97	7034377	96		7034377

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
Criteria-2: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Coarse Textured Soil

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BV Labs Job #: C0S1191
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		NZE445	NZE448	
Sampling Date		2020/10/23 11:10	2020/10/23 12:55	
COC Number		153075	153075	
	UNITS	**BH203-20 2.5-4.5**	**BH201-20 0.5-2**	**QC Batch**
Inorganics				
Available (CaCl2) pH	pH	7.65	7.54	7034520
QC Batch = Quality Control Batch				

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MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

TEST SUMMARY

BV Labs ID: NZE400
Sample ID: SS1-20
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7033893	N/A	2020/11/03	Haibin Wu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7034377	2020/11/02	2020/11/03	Prabhjot Gulati
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034798	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)

BV Labs ID: NZE401
Sample ID: SS2-20
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7033893	N/A	2020/11/03	Haibin Wu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7034377	2020/11/02	2020/11/03	Prabhjot Gulati
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034798	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)

BV Labs ID: NZE402
Sample ID: BH202-20 0.5-2
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7033893	N/A	2020/11/03	Haibin Wu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7034377	2020/11/02	2020/11/03	Prabhjot Gulati
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034757	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033723	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk

BV Labs ID: NZE414
Sample ID: BH205-20 0.5-2
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7033893	N/A	2020/11/03	Haibin Wu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7034377	2020/11/02	2020/11/03	Prabhjot Gulati
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034798	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033723	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk

BV Labs ID: NZE418
Sample ID: BH204-20 0.5-2
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7033893	N/A	2020/11/03	Haibin Wu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7034377	2020/11/02	2020/11/03	Prabhjot Gulati

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Sampler Initials: SC

TEST SUMMARY

BV Labs ID: NZE418
Sample ID: BH204-20 0.5-2
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	7033522	N/A	2020/11/02	Gurpreet Kaur (ONT)

BV Labs ID: NZE445
Sample ID: BH203-20 2.5-4.5
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7035537	2020/11/03	2020/11/03	Azita Fazaeli
pH CaCl2 EXTRACT	AT	7034520	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: NZE445 Dup
Sample ID: BH203-20 2.5-4.5
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7035537	2020/11/03	2020/11/03	Azita Fazaeli

BV Labs ID: NZE448
Sample ID: BH201-20 0.5-2
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7035537	2020/11/03	2020/11/03	Azita Fazaeli
pH CaCl2 EXTRACT	AT	7034520	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: NZE465
Sample ID: MW102-20 1-2
Matrix: Soil

Collected: 2020/10/23
Shipped:
Received: 2020/10/23

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7033893	N/A	2020/11/03	Haibin Wu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7034377	2020/11/02	2020/11/03	Prabhjot Gulati
Strong Acid Leachable Metals by ICPMS	ICP/MS	7034798	2020/11/03	2020/11/03	Azita Fazaeli
Moisture	BAL	7033723	N/A	2020/11/02	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7034537	2020/11/03	2020/11/03	Joy Zhang
OC Pesticides Summed Parameters	CALC	7033093	N/A	2020/11/03	Automated Statchk

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GENERAL COMMENTS

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

Package 1	12.3°C
Package 2	12.7°C

Sample ID for sample set MW102 updated as per client request.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7033893	1,4-Difluorobenzene	2020/11/03	103	60 - 140	99	60 - 140	104	%		
7033893	4-Bromofluorobenzene	2020/11/03	98	60 - 140	101	60 - 140	98	%		
7033893	D10-o-Xylene	2020/11/03	87	60 - 140	97	60 - 140	86	%		
7033893	D4-1,2-Dichloroethane	2020/11/03	95	60 - 140	93	60 - 140	101	%		
7034377	o-Terphenyl	2020/11/03	101	60 - 130	99	60 - 130	106	%		
7034537	2,4,5,6-Tetrachloro-m-xylene	2020/11/03	70	50 - 130	78	50 - 130	71	%		
7034537	Decachlorobiphenyl	2020/11/03	97	50 - 130	107	50 - 130	105	%		
7033522	Moisture	2020/11/02							0	20
7033723	Moisture	2020/11/02							0.60	20
7033893	Benzene	2020/11/03	95	50 - 140	102	50 - 140	<0.020	ug/g	NC	50
7033893	Ethylbenzene	2020/11/03	106	50 - 140	114	50 - 140	<0.020	ug/g	NC	50
7033893	F1 (C6-C10) - BTEX	2020/11/03					<10	ug/g	NC	30
7033893	F1 (C6-C10)	2020/11/03	85	60 - 140	94	80 - 120	<10	ug/g	NC	30
7033893	o-Xylene	2020/11/03	99	50 - 140	106	50 - 140	<0.020	ug/g	NC	50
7033893	p+m-Xylene	2020/11/03	100	50 - 140	104	50 - 140	<0.040	ug/g	NC	50
7033893	Toluene	2020/11/03	92	50 - 140	98	50 - 140	<0.020	ug/g	NC	50
7033893	Total Xylenes	2020/11/03					<0.040	ug/g	NC	50
7034377	F2 (C10-C16 Hydrocarbons)	2020/11/03	102	50 - 130	99	80 - 120	<10	ug/g	NC	30
7034377	F3 (C16-C34 Hydrocarbons)	2020/11/03	111	50 - 130	109	80 - 120	<50	ug/g	NC	30
7034377	F4 (C34-C50 Hydrocarbons)	2020/11/03	111	50 - 130	108	80 - 120	<50	ug/g	NC	30
7034520	Available (CaCl2) pH	2020/11/03			100	97 - 103			0.22	N/A
7034537	a-Chlordane	2020/11/03	89	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
7034537	Aldrin	2020/11/03	71	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7034537	Dieldrin	2020/11/03	108	50 - 130	122	50 - 130	<0.0020	ug/g	NC	40
7034537	Endosulfan I (alpha)	2020/11/03	89	50 - 130	99	50 - 130	<0.0020	ug/g	NC	40
7034537	Endosulfan II (beta)	2020/11/03	90	50 - 130	97	50 - 130	<0.0020	ug/g	NC	40
7034537	Endrin	2020/11/03	112	50 - 130	119	50 - 130	<0.0020	ug/g	NC	40
7034537	g-Chlordane	2020/11/03	96	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40
7034537	Heptachlor epoxide	2020/11/03	93	50 - 130	101	50 - 130	<0.0020	ug/g	NC	40
7034537	Heptachlor	2020/11/03	80	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
7034537	Hexachlorobenzene	2020/11/03	69	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7034537	Hexachlorobutadiene	2020/11/03	73	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7034537	Hexachloroethane	2020/11/03	55	50 - 130	69	50 - 130	<0.0020	ug/g	NC	40
7034537	Lindane	2020/11/03	83	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
7034537	Methoxychlor	2020/11/03	128	50 - 130	142 (1)	50 - 130	<0.0050	ug/g	NC	40
7034537	o,p-DDD	2020/11/03	103	50 - 130	113	50 - 130	<0.0020	ug/g	NC	40
7034537	o,p-DDE	2020/11/03	109	50 - 130	114	50 - 130	<0.0020	ug/g	NC	40
7034537	o,p-DDT	2020/11/03	98	50 - 130	103	50 - 130	<0.0020	ug/g	NC	40
7034537	p,p-DDD	2020/11/03	101	50 - 130	109	50 - 130	<0.0020	ug/g	NC	40
7034537	p,p-DDE	2020/11/03	87	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
7034537	p,p-DDT	2020/11/03	118	50 - 130	110	50 - 130	<0.0020	ug/g	NC	40
7034757	Acid Extractable Antimony (Sb)	2020/11/03	101	75 - 125	105	80 - 120	<0.20	ug/g	NC	30
7034757	Acid Extractable Arsenic (As)	2020/11/03	105	75 - 125	103	80 - 120	<1.0	ug/g	2.1	30
7034757	Acid Extractable Barium (Ba)	2020/11/03	108	75 - 125	102	80 - 120	<0.50	ug/g	0.55	30
7034757	Acid Extractable Beryllium (Be)	2020/11/03	104	75 - 125	105	80 - 120	<0.20	ug/g	4.2	30
7034757	Acid Extractable Boron (B)	2020/11/03	97	75 - 125	101	80 - 120	<5.0	ug/g	NC	30
7034757	Acid Extractable Cadmium (Cd)	2020/11/03	101	75 - 125	103	80 - 120	<0.10	ug/g	NC	30
7034757	Acid Extractable Chromium (Cr)	2020/11/03	104	75 - 125	101	80 - 120	<1.0	ug/g	1.5	30
7034757	Acid Extractable Cobalt (Co)	2020/11/03	100	75 - 125	101	80 - 120	<0.10	ug/g	5.0	30
7034757	Acid Extractable Copper (Cu)	2020/11/03	102	75 - 125	99	80 - 120	<0.50	ug/g	0.00091	30
7034757	Acid Extractable Lead (Pb)	2020/11/03	98	75 - 125	98	80 - 120	<1.0	ug/g	4.3	30
7034757	Acid Extractable Molybdenum (Mo)	2020/11/03	101	75 - 125	101	80 - 120	<0.50	ug/g	NC	30
7034757	Acid Extractable Nickel (Ni)	2020/11/03	101	75 - 125	102	80 - 120	<0.50	ug/g	14	30
7034757	Acid Extractable Selenium (Se)	2020/11/03	103	75 - 125	106	80 - 120	<0.50	ug/g	NC	30
7034757	Acid Extractable Silver (Ag)	2020/11/03	99	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
7034757	Acid Extractable Thallium (Tl)	2020/11/03	95	75 - 125	95	80 - 120	<0.050	ug/g	2.5	30
7034757	Acid Extractable Uranium (U)	2020/11/03	98	75 - 125	96	80 - 120	<0.050	ug/g	1.5	30
7034757	Acid Extractable Vanadium (V)	2020/11/03	108	75 - 125	102	80 - 120	<5.0	ug/g	3.2	30
7034757	Acid Extractable Zinc (Zn)	2020/11/03	98	75 - 125	100	80 - 120	<5.0	ug/g	1.5	30
7034798	Acid Extractable Antimony (Sb)	2020/11/03	101	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
7034798	Acid Extractable Arsenic (As)	2020/11/03	105	75 - 125	106	80 - 120	<1.0	ug/g	17	30
7034798	Acid Extractable Barium (Ba)	2020/11/03	98	75 - 125	102	80 - 120	<0.50	ug/g	5.5	30

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Sampler Initials: SC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7034798	Acid Extractable Beryllium (Be)	2020/11/03	110	75 - 125	104	80 - 120	<0.20	ug/g	NC	30
7034798	Acid Extractable Boron (B)	2020/11/03	107	75 - 125	102	80 - 120	<5.0	ug/g	NC	30
7034798	Acid Extractable Cadmium (Cd)	2020/11/03	105	75 - 125	99	80 - 120	<0.10	ug/g	NC	30
7034798	Acid Extractable Chromium (Cr)	2020/11/03	103	75 - 125	103	80 - 120	<1.0	ug/g	0.57	30
7034798	Acid Extractable Cobalt (Co)	2020/11/03	102	75 - 125	100	80 - 120	<0.10	ug/g	6.4	30
7034798	Acid Extractable Copper (Cu)	2020/11/03	101	75 - 125	102	80 - 120	<0.50	ug/g	3.7	30
7034798	Acid Extractable Lead (Pb)	2020/11/03	100	75 - 125	100	80 - 120	<1.0	ug/g	1.9	30
7034798	Acid Extractable Molybdenum (Mo)	2020/11/03	105	75 - 125	100	80 - 120	<0.50	ug/g	NC	30
7034798	Acid Extractable Nickel (Ni)	2020/11/03	106	75 - 125	107	80 - 120	<0.50	ug/g	0.78	30
7034798	Acid Extractable Selenium (Se)	2020/11/03	106	75 - 125	106	80 - 120	<0.50	ug/g	NC	30
7034798	Acid Extractable Silver (Ag)	2020/11/03	105	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
7034798	Acid Extractable Thallium (Tl)	2020/11/03	98	75 - 125	99	80 - 120	<0.050	ug/g	NC	30
7034798	Acid Extractable Uranium (U)	2020/11/03	100	75 - 125	98	80 - 120	<0.050	ug/g	3.7	30
7034798	Acid Extractable Vanadium (V)	2020/11/03	104	75 - 125	105	80 - 120	<5.0	ug/g	3.9	30
7034798	Acid Extractable Zinc (Zn)	2020/11/03	99	75 - 125	107	80 - 120	<5.0	ug/g	3.4	30
7035537	Acid Extractable Antimony (Sb)	2020/11/03	90	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
7035537	Acid Extractable Arsenic (As)	2020/11/03	100	75 - 125	103	80 - 120	<1.0	ug/g	3.5	30
7035537	Acid Extractable Barium (Ba)	2020/11/03	NC	75 - 125	96	80 - 120	<0.50	ug/g	4.2	30
7035537	Acid Extractable Beryllium (Be)	2020/11/03	97	75 - 125	97	80 - 120	<0.20	ug/g	0.52	30
7035537	Acid Extractable Boron (B)	2020/11/03	88	75 - 125	93	80 - 120	<5.0	ug/g	3.0	30
7035537	Acid Extractable Cadmium (Cd)	2020/11/03	97	75 - 125	98	80 - 120	<0.10	ug/g	NC	30
7035537	Acid Extractable Chromium (Cr)	2020/11/03	93	75 - 125	99	80 - 120	<1.0	ug/g	1.2	30
7035537	Acid Extractable Cobalt (Co)	2020/11/03	94	75 - 125	99	80 - 120	<0.10	ug/g	2.0	30
7035537	Acid Extractable Copper (Cu)	2020/11/03	NC	75 - 125	98	80 - 120	<0.50	ug/g	3.2	30
7035537	Acid Extractable Lead (Pb)	2020/11/03	92	75 - 125	99	80 - 120	<1.0	ug/g	4.4	30
7035537	Acid Extractable Molybdenum (Mo)	2020/11/03	103	75 - 125	98	80 - 120	<0.50	ug/g	NC	30
7035537	Acid Extractable Nickel (Ni)	2020/11/03	93	75 - 125	98	80 - 120	<0.50	ug/g	2.9	30
7035537	Acid Extractable Selenium (Se)	2020/11/03	98	75 - 125	105	80 - 120	<0.50	ug/g	NC	30
7035537	Acid Extractable Silver (Ag)	2020/11/03	97	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
7035537	Acid Extractable Thallium (Tl)	2020/11/03	92	75 - 125	97	80 - 120	<0.050	ug/g	20	30
7035537	Acid Extractable Uranium (U)	2020/11/03	94	75 - 125	98	80 - 120	<0.050	ug/g	5.0	30

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			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7035537	Acid Extractable Vanadium (V)	2020/11/03	NC	75 - 125	97	80 - 120	<5.0	ug/g	3.0	30
7035537	Acid Extractable Zinc (Zn)	2020/11/03	NC	75 - 125	103	80 - 120	<5.0	ug/g	5.0	30

N/A = Not Applicable

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

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

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

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

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

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

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

(1) The recovery was above the upper control limit. This may represent a high bias in some results for flagged analytes. For results that were not detected (ND), this potential bias has no impact.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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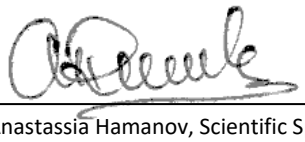
BV Labs Job #: C0S1191
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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

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CHAIN OF CUSTODY RECORD 153072 Page 1 of 4

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: #6868 MTE CONSULTANTS	Company Name:	Quotation #: B90004	☑ Regular TAT (5-7 days) Most analyses
Contact Name: Accounts Payable	Contact Name: MONIQUE GYBA	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address: 520 BINGEMANS CENTRE DR, KITCHENER ON	Address:	Project #: 98093-100	Rush TAT (Surcharges will be applied)
Phone: 519-743-6500 Fax: 519-743-6513	Phone: Fax:	Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Email: ACCOUNTING@MTE85.COM	Email: MGYBA@MTE85.COM	Site #:	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY		Site Location Province:	Rush Confirmation #:
		Sampled By:	

Regulation 153: ☐ Table 1 ☑ Res/Park ☐ Med/ Fine ☑ Table 2 ☐ Ind/Comm ☐ Coarse ☑ Table 3 ☐ Agri/ Other ☐ Table ____ FOR RSC (PLEASE CIRCLE) Y / N

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

Include Criteria on Certificate of Analysis: Y / N

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

LABORATORY USE ONLY

CUSTODY SEAL Y / N: Present / Intact

COOLER TEMPERATURES

Present	Intact	
Y	Y	13/10/14
Y	Y	10/12/16

COOLING MEDIA PRESENT: (Y) / N

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	HOLD- DO NOT ANALYZE	COMMENTS
1	SSi-20	2020/10/23	11:45	SOIL	3								X	
2	SS2-20		12:30		3								X	
3	BH202-20 0.5-2		9:05		2								X	
4	BH202-20 2.5-4.5		9:10		3								X	
5	BH202-20 5-7		9:15		3								X	
6	BH202-20 7.5-9.5		9:20		3								X	
7	BH202-20 10-12		9:25		3								X	
8	BH1202-20 0.5-2		9:05		1								X	
9	BH1202-20 2.5-4.5		9:10		2								X	
10	BH1202-20 5-7		9:15		2								X	

23-Oct-20 17:55
Ronklin Gracian
C0S1191
URE ENV-1321

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
S.C. / SOPHIA CANAPIN	2020/10/23	17:50	DIPIKA SINGH	2020/10/23	17:55	

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CAM FCD-01191/6

CHAIN OF CUSTODY RECORD 153073

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: See pg. 1	Company Name: See pg. 1	Quotation #: B90004	☑ Regular TAT (5-7 days) Most analyses
Contact Name:	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 48043-100	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Email:	Email:	Site #:	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY		Site Location Province:	Rush Confirmation #:
		Sampled By:	LABORATORY USE ONLY

Regulation 153	Other Regulations
☐ Table 1 ☑ Res/Park ☐ Med/ Fine	☐ CCME ☐ Sanitary Sewer Bylaw
☑ Table 2 ☐ Ind/Comm ☐ Coarse	☐ MISA ☐ Storm Sewer Bylaw
☐ Table 3 ☐ Agri/ Other	☐ PWQO Region
☐ Table ____	☐ Other (Specify)
FOR RSC (PLEASE CIRCLE) Y / N	☐ REG 558 (MIN. 3 DAY TAT REQUIRED)
	☐ REG 406 Table

Include Criteria on Certificate of Analysis: Y / N

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

Analysis Requested

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	HOLD- DO NOT ANALYZE	COMMENTS
1	BH1202-20 7.5-9.5	2020/10/23	9:20	SOIL	2								X	
2	BH205-20 0.5-2		9:45		3								X	
3	BH205-20 2.5-4		9:50		3								X	
4	BH205-20 5-7		9:55		3								X	
5	BH205-20 7.5-9.5		10:00		3								X	
6	BH204-20 0.5-2		10:15		3								X	
7	BH204-20 2.5-4.5		10:20		3								X	
8	BH204-20 5.5-7		10:25		3								X	
9	BH204-20 7.5-9.5		10:30		3								X	
10	BH203-20 0.25-1		11:40		3								X	

Cooler Temperatures		
CUSTODY SEAL Y / N		COOLER TEMPERATURES
Present	Intact	

COOLING MEDIA PRESENT: Y / N

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
See pg 1			See page 1			

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CHAIN OF CUSTODY RECORD 153075

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: See pg 1	Company Name: See pg 1	Quotation #: B90004	☑ Regular TAT (5-7 days) Most analyses
Contact Name:	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 48093-100	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Email:	Email:	Site #:	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY		Site Location Province:	Rush Confirmation #:
		Sampled By:	

Regulation 153: ☐ Table 1 ☑ Res/Park ☐ Med/ Fine ☑ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/ Other ☐ Table ____
FOR RSC (PLEASE CIRCLE) Y / N

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

Include Criteria on Certificate of Analysis: Y / N

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

Analysis Requested

LABORATORY USE ONLY
CUSTODY SEAL Y / N (Present / Intact)
COOLER TEMPERATURES
COOLING MEDIA PRESENT: Y / N

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	HOLD- DO NOT ANALYZE	COMMENTS
1	BH203-20 2.5-4.5	2020/10/23	11:10	Soil	3								X	
2	BH203-20 5-7		11:15		3								X	
3	BH203-20 7.5-9.5		11:20		3								X	
4	BH201-20 0.5-2		12:55		3								X	
5	BH201-20 2.5-4.5		13:00		3								X	
6	BH201-20 5.5-7		13:05		3								X	
7	BH201-20 7.5-9.5		13:10		3								X	
8	BH1201-20 2.5-4.5		13:00		2								X	
9	BH1201-20 5.5-7		13:05		2								X	
10	BH1201-20 7.5-9.5		13:10		2								X	

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
See pg 1			See Page 1			

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CHAIN OF CUSTODY RECORD 153076 Page 4 of 4

Invoice Information	Report Information (if differs from invoice)	Project Information (where applicable)	Turnaround Time (TAT) Required
Company Name: See pg 1	Company Name: See pg 1	Quotation #: B90099	☑ Regular TAT (5-7 days) Most analyses
Contact Name:	Contact Name:	P.O. #/ AFE#:	PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	Address:	Project #: 48043-100	Rush TAT (Surcharges will be applied)
Phone: Fax:	Phone: Fax:	Site Location:	☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Email:	Email:	Site #:	Date Required:
MOE REGULATED DRINKING WATER OR WATER INTENDED FOR HUMAN CONSUMPTION MUST BE SUBMITTED ON THE BUREAU VERITAS LABORATORIES' DRINKING WATER CHAIN OF CUSTODY		Site Location Province: / Sampled By:	Rush Confirmation #:

Regulation 153: ☐ Table 1 ☑ Res/Park ☐ Med/ Fine ☑ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/ Other ☐ Table ____
FOR RSC (PLEASE CIRCLE) Y / N

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

Include Criteria on Certificate of Analysis: Y / N

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

Analysis Requested

LABORATORY USE ONLY
CUSTODY SEAL Y / N (Present / Intact) — COOLER TEMPERATURES
COOLING MEDIA PRESENT: Y / N

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 (CPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	HOLD- DO NOT ANALYZE	COMMENTS
1	BH1201-20 0.5-2	2020/10/23	12:55	SOIL	1								X	
2	MW102-20 0.5-2		13:50		2								X	
3	MW102-20 2.5-4.5		14:00		2								X	
4	MW102-20 5-7		14:10		3								X	
5	MW102-20 7.5-9.5		14:20		3								X	
6														
7														
8														
9														
10														

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
See pg 1			See Page 1			

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BV Labs Job #: C0S1191
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: SC

Exceedance Summary Table – Reg153/04 T1-Soil/Res

Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
SS2-20	NZE401-02	F2 (C10-C16 Hydrocarbons)	10	13	10	ug/g

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

Exceedance Summary Table – Reg153/04 T2-Soil/Res-C

Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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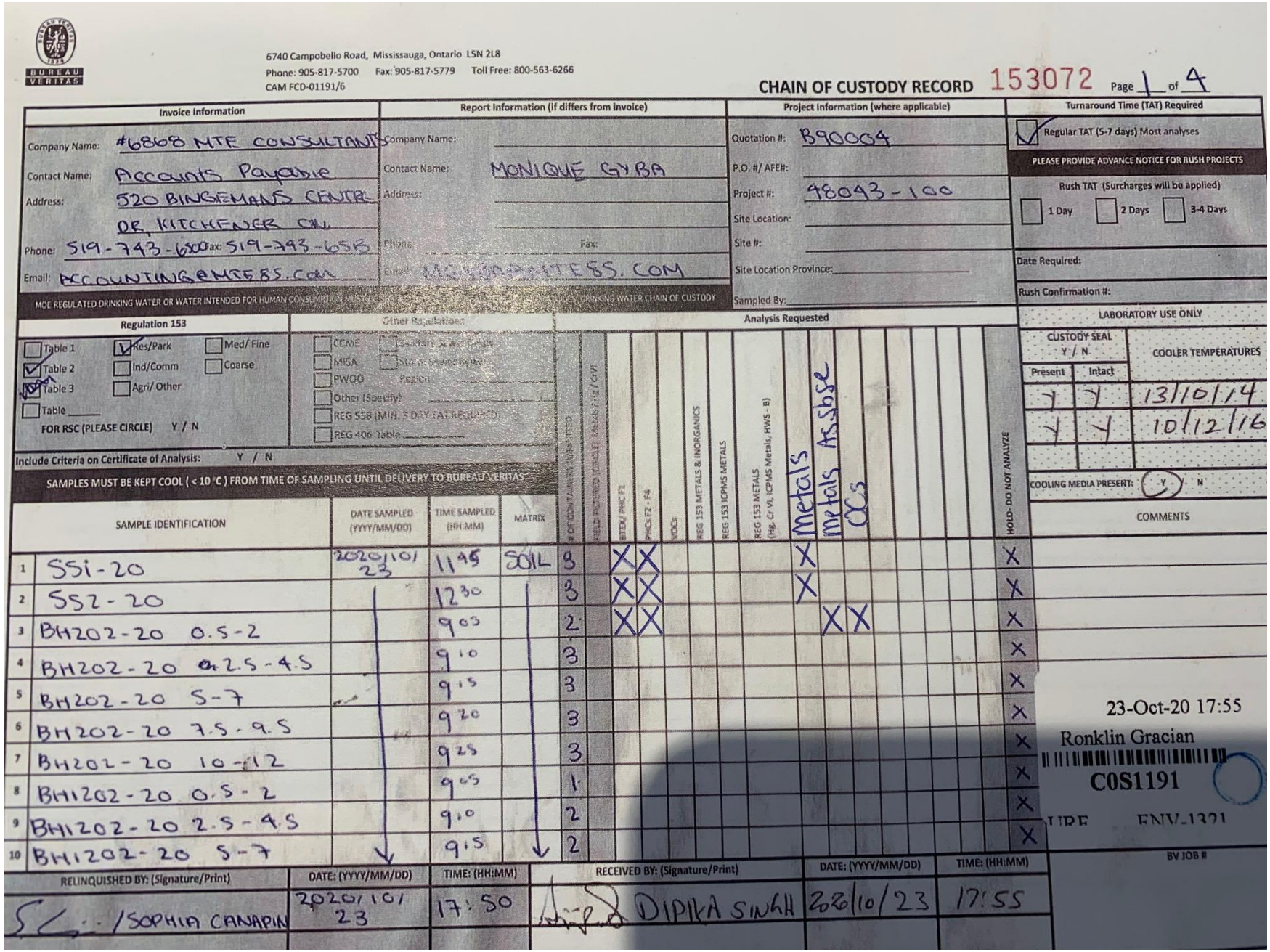

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CHAIN OF CUSTODY RECORD 153072 Page 1 of 4

Invoice Information
Company Name: #6868 MTE CONSULTANTS
Contact Name: Accounts Payable
Address: 520 BINGEMANS CENTRE DR, KITCHENER ON
Phone: 519-743-6500 Fax: 519-743-6583
Email: ACCOUNTING@MTE85.COM

Report Information (if differs from invoice)
Company Name:
Contact Name: MONIQUE GYBA
Address:
Phone: Fax:
Email: MGYBA@MTE85.COM

Project Information (where applicable)
Quotation #: B90004
P.O. #/ AFE#:
Project #: 48093-100
Site Location:
Site #:
Site Location Province:
Sampled By:

Turnaround Time (TAT) Required
☑ Regular TAT (5-7 days) Most analyses
PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Rush TAT (Surcharges will be applied)
☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Date Required:
Rush Confirmation #:

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

Regulation 153
☐ Table 1 ☑ Res/Park ☐ Med/ Fine
☑ Table 2 ☐ Ind/Comm ☐ Coarse
☑ Table 3 ☐ Agri/ Other
☐ Table ____
FOR RSC (PLEASE CIRCLE) Y / N

Other Regulations
☐ CCME ☐ Sanitary Sewer By-law
☐ MISA ☐ Storm Sewer By-law
☐ PWQO Region
☐ Other (Specify)
☐ REG 558 (MIN. 3 DAY TAT REQUIRED)
☐ REG 406 Table

Include Criteria on Certificate of Analysis: Y / N

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

Analysis Requested

LABORATORY USE ONLY
CUSTODY SEAL Y / N: Present / Intact
COOLER TEMPERATURES: 13/10/14; 10/12/16
COOLING MEDIA PRESENT: (Y) N

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CONSULT LAB) / PRES (CONSULT LAB)	BTEX / PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg; Cr VI; ICPMS Metals, HWS - B)	Metals	Metals Asbsc	CCs	HOLD - DO NOT ANALYZE	COMMENTS
1	SSi-20	2020/10/23	11:45	SOIL	3		X	X					X			X	
2	SS2-20		12:30		3		X	X					X			X	
3	BH202-20 0.5-2		9:05		2		X	X						X	X	X	
4	BH202-20 @2.5-4.5		9:10		3											X	
5	BH202-20 5-7		9:15		3											X	
6	BH202-20 7.5-9.5		9:20		3											X	
7	BH202-20 10-12		9:25		3											X	
8	BH1202-20 0.5-2		9:05		1											X	
9	BH1202-20 2.5-4.5		9:10		2											X	
10	BH1202-20 5-7		9:15		2											X	

23-Oct-20 17:55
Ronklin Gracian
C0S1191
UPE ENV-1371

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
SC / SOPHIA CANAPIN	2020/10/23	17:50	DIPIKA SINGH	2020/10/23	17:55	

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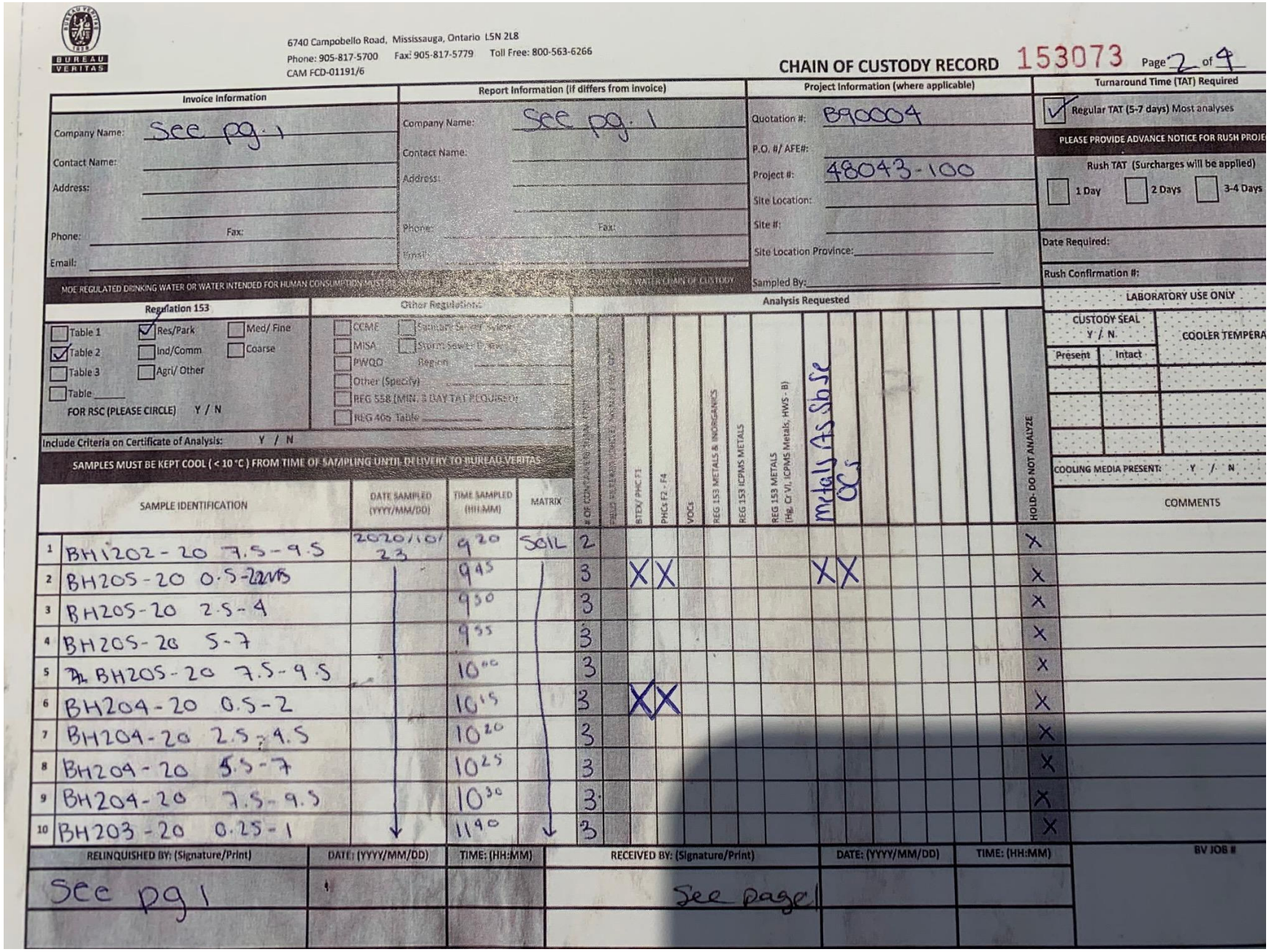

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CHAIN OF CUSTODY RECORD 153073 Page 2 of 4

Invoice Information
Company Name: See pg. 1
Contact Name:
Address:
Phone: Fax:
Email:

Report Information (if differs from invoice)
Company Name: See pg. 1
Contact Name:
Address:
Phone: Fax:
Email:

Project Information (where applicable)
Quotation #: B90004
P.O. #/ AFE#:
Project #: 48043-100
Site Location:
Site #:
Site Location Province:
Sampled By:

Turnaround Time (TAT) Required
☑ Regular TAT (5-7 days) Most analyses
PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJE
Rush TAT (Surcharges will be applied)
☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Date Required:
Rush Confirmation #:

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

Regulation 153
☐ Table 1 ☑ Res/Park ☐ Med/Fine
☑ Table 2 ☐ Ind/Comm ☐ Coarse
☐ Table 3 ☐ Agri/ Other
☐ Table ____
FOR RSC (PLEASE CIRCLE) Y / N

Other Regulations
☐ CCME ☐ Sanitary Sewer By-law
☐ MISA ☐ Storm Sewer By-law
☐ PWQO Region
☐ Other (Specify)
☐ REG 558 (MIN. 3 DAY TAT REQUIRED)
☐ REG 406 Table

Include Criteria on Certificate of Analysis: Y / N

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

Analysis Requested

LABORATORY USE ONLY
CUSTODY SEAL Y / N. (Present / Intact)
COOLER TEMPERA
COOLING MEDIA PRESENT: Y / N

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	Metals As Sb Se CCs	HOLD: DO NOT ANALYZE	COMMENTS
1	BH1202-20 7.5-9.5	2020/10/23	920	SOIL	2								X	
2	BH205-20 0.5-2.5		945		3	X	X					X X	X	
3	BH205-20 2.5-4		950		3								X	
4	BH205-20 5-7		955		3								X	
5	BH205-20 7.5-9.5		1000		3								X	
6	BH204-20 0.5-2		1015		3	X	X						X	
7	BH204-20 2.5-4.5		1020		3								X	
8	BH209-20 5.5-7		1025		3								X	
9	BH204-20 7.5-9.5		1030		3								X	
10	BH203-20 0.25-1		1140		3								X	

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
See pg 1			See Page 1			

TOWN OF CALEDON
PLANNING
RECEIVED

Feb 26, 2021

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

CHAIN OF CUSTODY RECORD 153075 Page 3 of 4

Invoice Information
Company Name: See pg 1
Contact Name:
Address:
Phone: Fax:
Email:

Report Information (if differs from invoice)
Company Name: See pg 1
Contact Name:
Address:
Phone: Fax:
Email:

Project Information (where applicable)
Quotation #: B90004
P.O. #/ AFE#:
Project #: 48043-100
Site Location:
Site #:
Site Location Province:
Sampled By:

Turnaround Time (TAT) Required
☑ Regular TAT (5-7 days) Most analyses
PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Rush TAT (Surcharges will be applied)
☐ 1 Day ☐ 2 Days ☐ 3-4 Days
Date Required:
Rush Confirmation #:

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

Regulation 153
☐ Table 1 ☑ Res/Park ☐ Med/ Fine
☑ Table 2 ☐ Ind/Comm ☐ Coarse
☐ Table 3 ☐ Agri/ Other
☐ Table ____
FOR RSC (PLEASE CIRCLE) Y / N

Other Regulations
☐ CCME ☐ SUB (Specify)
☐ MISA ☐ SUB (Specify)
☐ PWQO ☐ Other (Specify)
☐ REG 558 (Soil) ☐ Other (Specify)
☐ REG 406 Table ____

Include Criteria on Certificate of Analysis: Y / N

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

Analysis Requested

LABORATORY USE ONLY
CUSTODY SEAL Y / N (Present / Intact)
COOLER TEMPERATURES
COOLING MEDIA PRESENT: Y / N

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	REG 153 VOCs	PHCs F1 (BTEX) / PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, Cr VI, ICPMS Metals, HWS - B)	Metals As Sb Se	pH	HOLD - DO NOT ANALYZE
1	BH203-20 2.5-4.5	2020/10/23	11:10	Soil	3								X	X	X
2	BH203-20 5-7		11:15		3										X
3	BH203-20 7.5-9.5		11:20		3										X
4	BH201-20 0.5-2		12:55		3								X	X	X
5	BH201-20 2.5-4.5		13:00		3										X
6	BH201-20 5.5-7		13:05		3										X
7	BH201-20 7.5-9.5		13:10		3										X
8	BH1201-20 2.5-4.5		13:00		2										X
9	BH1201-20 5.5-7		13:05		2										X
10	BH1201-20 7.5-9.5		13:10		2										X

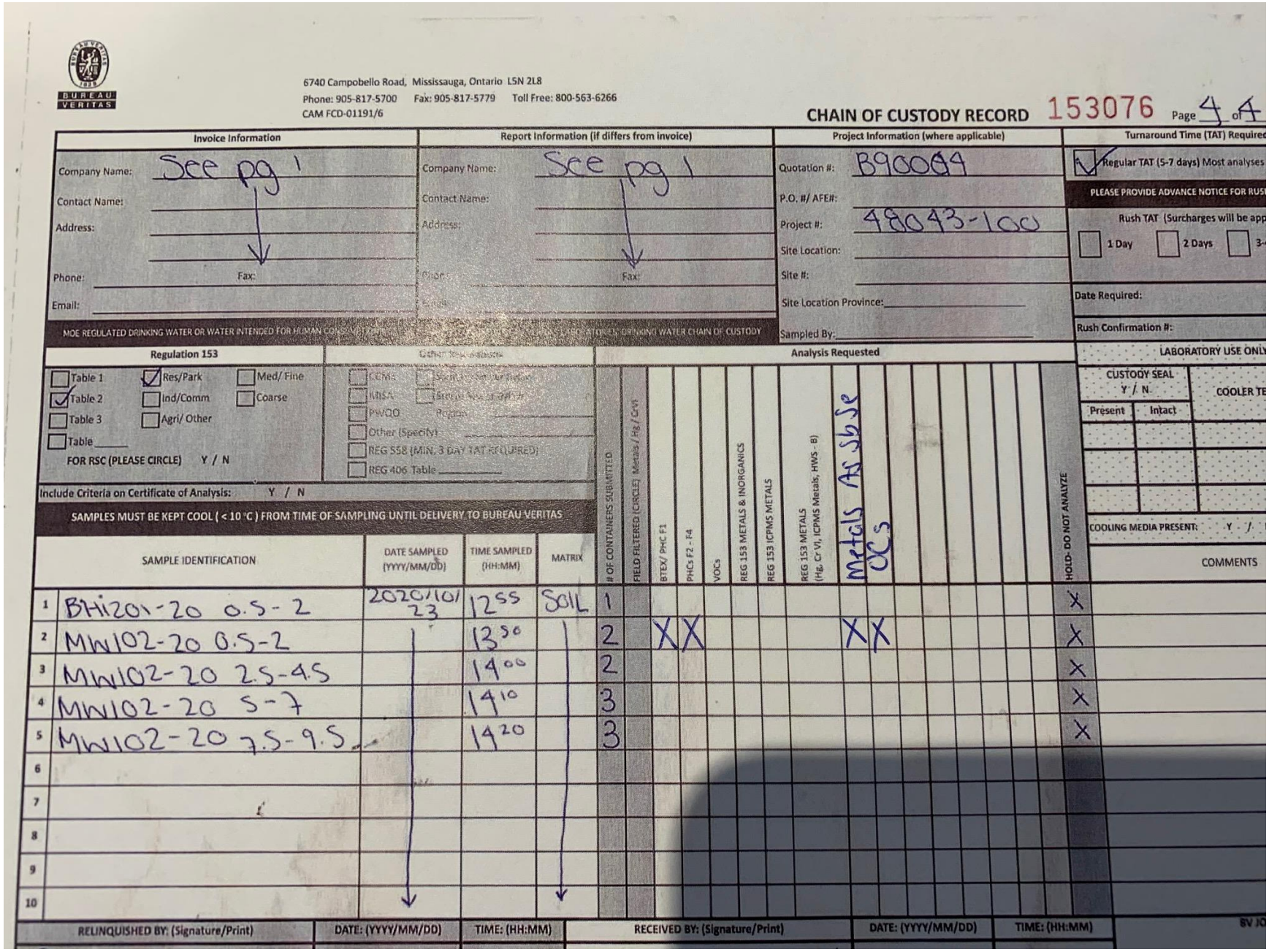
COMMENTS

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	BV JOB #
See pg 1			See Page 1			

Unless otherwise agreed to in writing, work submitted on this Chain of Custody is subject to Bureau Veritas Laboratories' standard Terms and Conditions. Signing of this Chain of Custody document is acknowledgment and acceptance of our terms available at http://www.bvlabs.com/terms-and-conditions

TOWN OF CALEDON
PLANNING
RECEIVED

Feb 26, 2021



BUREAU VERITAS

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

CHAIN OF CUSTODY RECORD 153076 Page 4 of 4

Invoice Information
Company Name: See pg 1
Contact Name:
Address:
Phone: Fax:
Email:

Report Information (if differs from invoice)
Company Name: See pg 1
Contact Name:
Address:
Phone: Fax:

Project Information (where applicable)
Quotation #: B900094
P.O. #/ AFE#:
Project #: 48043-100
Site Location:
Site #:
Site Location Province:
Sampled By:

Turnaround Time (TAT) Required
☑ Regular TAT (5-7 days) Most analyses
PLEASE PROVIDE ADVANCE NOTICE FOR RUSH
Rush TAT (Surcharges will be app
☐ 1 Day ☐ 2 Days ☐ 3-
Date Required:
Rush Confirmation #:

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

Regulation 153
☐ Table 1 ☑ Res/Park ☐ Med/Fine
☑ Table 2 ☐ Ind/Comm ☐ Coarse
☐ Table 3 ☐ Agri/ Other
☐ Table ____
FOR RSC (PLEASE CIRCLE) Y / N

Other Regulations
☐ CCME ☐ Sanitary Sewer Bylaw
☐ MISA ☐ Storm Sewer Bylaw
☐ PWQO Region
☐ Other (Specify)
☐ REG 558 (MIN. 3 DAY TAT REQUIRED)
☐ REG 406 Table ____

Include Criteria on Certificate of Analysis: Y / N

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

Analysis Requested

	SAMPLE IDENTIFICATION	DATE SAMPLED (YYYY/MM/DD)	TIME SAMPLED (HH:MM)	MATRIX	# OF CONTAINERS SUBMITTED	FIELD FILTERED (CIRCLE) Metals / Hg / CrVI	BTEX/ PHC F1	PHCs F2 - F4	VOCs	REG 153 METALS & INORGANICS	REG 153 ICPMS METALS	REG 153 METALS (Hg, CrVI, ICPMS Metals, HWS - B)	Metals As Sb Se	CCs								HOLD- DO NOT ANALYZE	COMMENTS
1	BH201-20 0.5-2	2020/10/23	12:55	SOIL	1								X	X								X	
2	MW102-20 0.5-2		13:50		2		X	X					X	X								X	
3	MW102-20 2.5-4.5		14:00		2																	X	
4	MW102-20 5-7		14:10		3																	X	
5	MW102-20 7.5-9.5		14:20		3																	X	
6																							
7																							
8																							
9																							
10																							

LABORATORY USE ONLY
CUSTODY SEAL Y / N: Present / Intact
COOLER TE
COOLING MEDIA PRESENT: Y /
COMMENTS

RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)	RECEIVED BY: (Signature/Print)	DATE: (YYYY/MM/DD)	TIME: (HH:MM)

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

Your Project #: 48043-100

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 788639-01-01, 793225-14-01, 793225-11-01, 793225-12-01, 793225-13-01, 793225-10-01

Report Date: 2020/11/04
Report #: R6397935
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S5156
Received: 2020/10/28, 12:14

Sample Matrix: Soil
Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Strong Acid Leachable Metals by ICPMS	1	2020/10/30	2020/10/30	CAM SOP-00447	EPA 6020B m
Strong Acid Leachable Metals by ICPMS	7	2020/10/30	2020/11/03	CAM SOP-00447	EPA 6020B m
Moisture	8	N/A	2020/10/29	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	8	2020/10/31	2020/10/31	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	8	N/A	2020/10/30	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	8	2020/11/03	2020/11/03	CAM SOP-00413	EPA 9045 D m

Remarks:

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

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

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

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

TOWN OF CALEDON
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Feb 26, 2021

Your Project #: 48043-100

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Your C.O.C. #: 788639-01-01, 793225-14-01, 793225-11-01, 793225-12-01, 793225-13-01, 793225-10-01

Report Date: 2020/11/04
Report #: R6397935
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S5156
Received: 2020/10/28, 12:14

Encryption Key

Ronklin Gracian
Project Manager
04 Nov 2020 17:19:00

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

==========

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

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

BV Labs Job #: C0S5156
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID		OAA653	OAA672	OAA672	OAA678	OAA684		
Sampling Date		2020/10/26 10:32	2020/10/27 10:11	2020/10/27 10:11	2020/10/27 12:55	2020/10/27 14:36		
COC Number		788639-01-01	793225-11-01	793225-11-01	793225-12-01	793225-12-01		
	UNITS	**MW107-20 1.2-2**	**BH131-20 1-2**	**BH131-20 1-2 Lab-Dup**	**BH134-20 1.25-2**	**BH136-20 1-2**	**RDL**	**QC Batch**
Metals								
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7030174
Acid Extractable Arsenic (As)	ug/g	5.1	6.5	6.6	4.0	6.7	1.0	7030174
Acid Extractable Barium (Ba)	ug/g	88	95	90	64	92	0.50	7030174
Acid Extractable Beryllium (Be)	ug/g	0.71	0.86	0.82	0.57	0.84	0.20	7030174
Acid Extractable Boron (B)	ug/g	5.1	7.1	6.7	<5.0	5.6	5.0	7030174
Acid Extractable Cadmium (Cd)	ug/g	0.14	<0.10	<0.10	0.12	0.12	0.10	7030174
Acid Extractable Chromium (Cr)	ug/g	24	22	21	18	25	1.0	7030174
Acid Extractable Cobalt (Co)	ug/g	9.2	13	13	8.4	12	0.10	7030174
Acid Extractable Copper (Cu)	ug/g	22	39	39	26	32	0.50	7030174
Acid Extractable Lead (Pb)	ug/g	9.1	7.3	7.0	8.2	10	1.0	7030174
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7030174
Acid Extractable Nickel (Ni)	ug/g	23	27	26	19	27	0.50	7030174
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	7030174
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	7030174
Acid Extractable Thallium (Tl)	ug/g	0.13	0.12	0.11	0.11	0.14	0.050	7030174
Acid Extractable Uranium (U)	ug/g	0.59	0.42	0.38	0.45	0.57	0.050	7030174
Acid Extractable Vanadium (V)	ug/g	36	31	29	29	36	5.0	7030174
Acid Extractable Zinc (Zn)	ug/g	51	59	54	45	58	5.0	7030174

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

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TOWN OF CALEDON
PLANNING
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Feb 26, 2021

BV Labs Job #: C0S5156
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID		OAA693	OAA697		OAA700		OAA703		
Sampling Date		2020/10/28 08:12	2020/10/28 08:45		2020/10/28 09:25		2020/10/28 10:33		
COC Number		793225-13-01	793225-10-01		793225-10-01		793225-10-01		
	UNITS	**BH137-20 1.25-2**	**BH140-20 1-2**	**QC Batch**	**BH141-20 1.2-2**	**QC Batch**	**MW106-20 1-2**	**RDL**	**QC Batch**
Metals									
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	7030174	<0.20	7030026	<0.20	0.20	7030174
Acid Extractable Arsenic (As)	ug/g	3.2	3.8	7030174	3.9	7030026	4.7	1.0	7030174
Acid Extractable Barium (Ba)	ug/g	74	92	7030174	98	7030026	120	0.50	7030174
Acid Extractable Beryllium (Be)	ug/g	0.61	0.73	7030174	0.81	7030026	0.98	0.20	7030174
Acid Extractable Boron (B)	ug/g	<5.0	8.1	7030174	9.2	7030026	8.1	5.0	7030174
Acid Extractable Cadmium (Cd)	ug/g	0.14	0.10	7030174	0.11	7030026	0.14	0.10	7030174
Acid Extractable Chromium (Cr)	ug/g	20	23	7030174	26	7030026	30	1.0	7030174
Acid Extractable Cobalt (Co)	ug/g	8.9	12	7030174	12	7030026	14	0.10	7030174
Acid Extractable Copper (Cu)	ug/g	18	22	7030174	23	7030026	28	0.50	7030174
Acid Extractable Lead (Pb)	ug/g	8.8	10	7030174	11	7030026	12	1.0	7030174
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	7030174	<0.50	7030026	<0.50	0.50	7030174
Acid Extractable Nickel (Ni)	ug/g	20	27	7030174	26	7030026	32	0.50	7030174
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	7030174	<0.50	7030026	<0.50	0.50	7030174
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	7030174	<0.20	7030026	<0.20	0.20	7030174
Acid Extractable Thallium (Tl)	ug/g	0.13	0.16	7030174	0.16	7030026	0.17	0.050	7030174
Acid Extractable Uranium (U)	ug/g	0.49	0.51	7030174	0.47	7030026	0.57	0.050	7030174
Acid Extractable Vanadium (V)	ug/g	30	32	7030174	36	7030026	42	5.0	7030174
Acid Extractable Zinc (Zn)	ug/g	44	53	7030174	53	7030026	67	5.0	7030174

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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TOWN OF CALEDON
PLANNING
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Feb 26, 2021

BV Labs Job #: C0S5156
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID		OAA653	OAA672	OAA678	OAA684	OAA693		
Sampling Date		2020/10/26 10:32	2020/10/27 10:11	2020/10/27 12:55	2020/10/27 14:36	2020/10/28 08:12		
COC Number		788639-01-01	793225-11-01	793225-12-01	793225-12-01	793225-13-01		
	UNITS	**MW107-20 1.2-2**	**BH131-20 1-2**	**BH134-20 1.25-2**	**BH136-20 1-2**	**BH137-20 1.25-2**	**RDL**	**QC Batch**
Inorganics								
Moisture	%	12	11	10	16	10	1.0	7028652
Calculated Parameters								
Chlordane (Total)	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
o,p-DDD + p,p-DDD	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
o,p-DDE + p,p-DDE	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
o,p-DDT + p,p-DDT	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
Total Endosulfan	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7026908
Pesticides & Herbicides								
Aldrin	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
a-Chlordane	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
g-Chlordane	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
o,p-DDD	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
p,p-DDD	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
o,p-DDE	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
p,p-DDE	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
o,p-DDT	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
p,p-DDT	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Dieldrin	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Lindane	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Endosulfan I (alpha)	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Endosulfan II (beta)	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Endrin	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Heptachlor	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Heptachlor epoxide	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Hexachlorobenzene	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Hexachlorobutadiene	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Hexachloroethane	ug/g	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0020	7031470
Methoxychlor	ug/g	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	7031470
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	73	72	71	73	77		7031470
Decachlorobiphenyl	%	104	108	107	108	116		7031470

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

BV Labs Job #: C0S5156
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID		OAA697	OAA700	OAA703			OAA703		
Sampling Date		2020/10/28 08:45	2020/10/28 09:25	2020/10/28 10:33			2020/10/28 10:33		
COC Number		793225-10-01	793225-10-01	793225-10-01			793225-10-01		
	UNITS	**BH140-20 1-2**	**BH141-20 1.2-2**	**MW106-20 1-2**	**RDL**	**QC Batch**	**MW106-20 1-2 Lab-Dup**	**RDL**	**QC Batch**
Inorganics									
Moisture	%	12	13	17	1.0	7028652	15	1.0	7028652
Calculated Parameters									
Chlordane (Total)	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7026908			
o,p-DDD + p,p-DDD	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7026908			
o,p-DDE + p,p-DDE	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7026908			
o,p-DDT + p,p-DDT	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7026908			
Total Endosulfan	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7026908			
Pesticides & Herbicides									
Aldrin	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
a-Chlordane	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
g-Chlordane	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
o,p-DDD	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
p,p-DDD	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
o,p-DDE	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
p,p-DDE	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
o,p-DDT	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
p,p-DDT	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Dieldrin	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Lindane	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Endosulfan I (alpha)	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Endosulfan II (beta)	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Endrin	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Heptachlor	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Heptachlor epoxide	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Hexachlorobenzene	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Hexachlorobutadiene	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Hexachloroethane	ug/g	<0.0020	<0.0020	<0.0020	0.0020	7031470			
Methoxychlor	ug/g	<0.0050	<0.0050	<0.0050	0.0050	7031470			
Surrogate Recovery (%)									
2,4,5,6-Tetrachloro-m-xylene	%	68	67	69		7031470			

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

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TOWN OF CALEDON
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BV Labs Job #: C0S5156
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID		OAA697	OAA700	OAA703			OAA703		
Sampling Date		2020/10/28 08:45	2020/10/28 09:25	2020/10/28 10:33			2020/10/28 10:33		
COC Number		793225-10-01	793225-10-01	793225-10-01			793225-10-01		
	UNITS	**BH140-20 1-2**	**BH141-20 1.2-2**	**MW106-20 1-2**	**RDL**	**QC Batch**	**MW106-20 1-2 Lab-Dup**	**RDL**	**QC Batch**
Decachlorobiphenyl	%	94	100	96		7031470			

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QC Batch = Quality Control Batch
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Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OAA653	OAA653	OAA672	OAA678	OAA684	OAA693	
Sampling Date		2020/10/26 10:32	2020/10/26 10:32	2020/10/27 10:11	2020/10/27 12:55	2020/10/27 14:36	2020/10/28 08:12	
COC Number		788639-01-01	788639-01-01	793225-11-01	793225-12-01	793225-12-01	793225-13-01	
	UNITS	**MW107-20 1.2-2**	**MW107-20 1.2-2 Lab-Dup**	**BH131-20 1-2**	**BH134-20 1.25-2**	**BH136-20 1-2**	**BH137-20 1.25-2**	**QC Batch**
Inorganics								
Available (CaCl2) pH	pH	6.75	6.71	7.62	7.58	6.84	7.65	7034533

QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

BV Labs ID		OAA697	OAA700	OAA703	
Sampling Date		2020/10/28 08:45	2020/10/28 09:25	2020/10/28 10:33	
COC Number		793225-10-01	793225-10-01	793225-10-01	
	UNITS	**BH140-20 1-2**	**BH141-20 1.2-2**	**MW106-20 1-2**	**QC Batch**
Inorganics					
Available (CaCl2) pH	pH	7.66	7.67	7.38	7034533

QC Batch = Quality Control Batch

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TEST SUMMARY

BV Labs ID: OAA653
Sample ID: MW107-20 1.2-2
Matrix: Soil

Collected: 2020/10/26
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA653 Dup
Sample ID: MW107-20 1.2-2
Matrix: Soil

Collected: 2020/10/26
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA672
Sample ID: BH131-20 1-2
Matrix: Soil

Collected: 2020/10/27
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA672 Dup
Sample ID: BH131-20 1-2
Matrix: Soil

Collected: 2020/10/27
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli

BV Labs ID: OAA678
Sample ID: BH134-20 1.25-2
Matrix: Soil

Collected: 2020/10/27
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

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Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OAA684
Sample ID: BH136-20 1-2
Matrix: Soil

Collected: 2020/10/27
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA693
Sample ID: BH137-20 1.25-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA697
Sample ID: BH140-20 1-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA700
Sample ID: BH141-20 1.2-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030026	2020/10/30	2020/10/30	Viviana Canzonieri
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA703
Sample ID: MW106-20 1-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7030174	2020/10/30	2020/11/03	Azita Fazaeli
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan

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Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OAA703
Sample ID: MW106-20 1-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7031470	2020/10/31	2020/10/31	Li Peng
OC Pesticides Summed Parameters	CALC	7026908	N/A	2020/10/30	Automated Statchk
pH CaCl2 EXTRACT	AT	7034533	2020/11/03	2020/11/03	Neil Dassanayake

BV Labs ID: OAA703 Dup
Sample ID: MW106-20 1-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	7028652	N/A	2020/10/29	Chun Yan

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GENERAL COMMENTS

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

Package 1	5.3°C
Package 2	3.3°C
Package 3	3.3°C

Sample ID updated from BH128-20 5-7 to BH128-20 5.75-7 and BH134-20 0.25-2 to BH134-20 1.25-2 as per client request.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7031470	2,4,5,6-Tetrachloro-m-xylene	2020/10/31	68	50 - 130	76	50 - 130	71	%		
7031470	Decachlorobiphenyl	2020/10/31	112	50 - 130	118	50 - 130	112	%		
7028652	Moisture	2020/10/29							11	20
7030026	Acid Extractable Antimony (Sb)	2020/10/30	91	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
7030026	Acid Extractable Arsenic (As)	2020/10/30	95	75 - 125	97	80 - 120	<1.0	ug/g	NC	30
7030026	Acid Extractable Barium (Ba)	2020/10/30	NC	75 - 125	96	80 - 120	<0.50	ug/g	0.19	30
7030026	Acid Extractable Beryllium (Be)	2020/10/30	93	75 - 125	96	80 - 120	<0.20	ug/g	NC	30
7030026	Acid Extractable Boron (B)	2020/10/30	92	75 - 125	96	80 - 120	<5.0	ug/g	NC	30
7030026	Acid Extractable Cadmium (Cd)	2020/10/30	93	75 - 125	96	80 - 120	<0.10	ug/g	NC	30
7030026	Acid Extractable Chromium (Cr)	2020/10/30	NC	75 - 125	97	80 - 120	<1.0	ug/g	0.38	30
7030026	Acid Extractable Cobalt (Co)	2020/10/30	94	75 - 125	97	80 - 120	<0.10	ug/g	2.4	30
7030026	Acid Extractable Copper (Cu)	2020/10/30	92	75 - 125	98	80 - 120	<0.50	ug/g	0.28	30
7030026	Acid Extractable Lead (Pb)	2020/10/30	94	75 - 125	96	80 - 120	<1.0	ug/g	11	30
7030026	Acid Extractable Molybdenum (Mo)	2020/10/30	96	75 - 125	99	80 - 120	<0.50	ug/g	28	30
7030026	Acid Extractable Nickel (Ni)	2020/10/30	97	75 - 125	98	80 - 120	<0.50	ug/g	4.5	30
7030026	Acid Extractable Selenium (Se)	2020/10/30	97	75 - 125	104	80 - 120	<0.50	ug/g	NC	30
7030026	Acid Extractable Silver (Ag)	2020/10/30	92	75 - 125	95	80 - 120	<0.20	ug/g	NC	30
7030026	Acid Extractable Thallium (Tl)	2020/10/30	92	75 - 125	96	80 - 120	<0.050	ug/g	9.9	30
7030026	Acid Extractable Uranium (U)	2020/10/30	94	75 - 125	96	80 - 120	<0.050	ug/g	2.5	30
7030026	Acid Extractable Vanadium (V)	2020/10/30	NC	75 - 125	95	80 - 120	<5.0	ug/g	2.1	30
7030026	Acid Extractable Zinc (Zn)	2020/10/30	94	75 - 125	98	80 - 120	<5.0	ug/g	0.81	30
7030174	Acid Extractable Antimony (Sb)	2020/11/03	91	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
7030174	Acid Extractable Arsenic (As)	2020/11/03	103	75 - 125	102	80 - 120	<1.0	ug/g	1.6	30
7030174	Acid Extractable Barium (Ba)	2020/11/03	NC	75 - 125	103	80 - 120	<0.50	ug/g	5.4	30
7030174	Acid Extractable Beryllium (Be)	2020/11/03	101	75 - 125	102	80 - 120	<0.20	ug/g	4.7	30
7030174	Acid Extractable Boron (B)	2020/11/03	92	75 - 125	98	80 - 120	<5.0	ug/g	6.0	30
7030174	Acid Extractable Cadmium (Cd)	2020/11/03	101	75 - 125	98	80 - 120	<0.10	ug/g	NC	30
7030174	Acid Extractable Chromium (Cr)	2020/11/03	99	75 - 125	100	80 - 120	<1.0	ug/g	3.8	30
7030174	Acid Extractable Cobalt (Co)	2020/11/03	97	75 - 125	98	80 - 120	<0.10	ug/g	3.8	30
7030174	Acid Extractable Copper (Cu)	2020/11/03	NC	75 - 125	98	80 - 120	<0.50	ug/g	2.3	30
7030174	Acid Extractable Lead (Pb)	2020/11/03	97	75 - 125	96	80 - 120	<1.0	ug/g	5.4	30

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QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7030174	Acid Extractable Molybdenum (Mo)	2020/11/03	98	75 - 125	100	80 - 120	<0.50	ug/g	NC	30
7030174	Acid Extractable Nickel (Ni)	2020/11/03	NC	75 - 125	101	80 - 120	<0.50	ug/g	1.6	30
7030174	Acid Extractable Selenium (Se)	2020/11/03	102	75 - 125	103	80 - 120	<0.50	ug/g	NC	30
7030174	Acid Extractable Silver (Ag)	2020/11/03	100	75 - 125	101	80 - 120	<0.20	ug/g	NC	30
7030174	Acid Extractable Thallium (Tl)	2020/11/03	95	75 - 125	94	80 - 120	<0.050	ug/g	4.1	30
7030174	Acid Extractable Uranium (U)	2020/11/03	97	75 - 125	95	80 - 120	<0.050	ug/g	8.1	30
7030174	Acid Extractable Vanadium (V)	2020/11/03	NC	75 - 125	101	80 - 120	<5.0	ug/g	6.8	30
7030174	Acid Extractable Zinc (Zn)	2020/11/03	NC	75 - 125	103	80 - 120	<5.0	ug/g	8.4	30
7031470	a-Chlordane	2020/10/31	67	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7031470	Aldrin	2020/10/31	61	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7031470	Dieldrin	2020/10/31	76	50 - 130	79	50 - 130	<0.0020	ug/g	NC	40
7031470	Endosulfan I (alpha)	2020/10/31	74	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
7031470	Endosulfan II (beta)	2020/10/31	62	50 - 130	69	50 - 130	<0.0020	ug/g	NC	40
7031470	Endrin	2020/10/31	73	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
7031470	g-Chlordane	2020/10/31	64	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
7031470	Heptachlor epoxide	2020/10/31	62	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
7031470	Heptachlor	2020/10/31	63	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40
7031470	Hexachlorobenzene	2020/10/31	64	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7031470	Hexachlorobutadiene	2020/10/31	66	50 - 130	88	50 - 130	<0.0020	ug/g	NC	40
7031470	Hexachloroethane	2020/10/31	51	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
7031470	Lindane	2020/10/31	67	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7031470	Methoxychlor	2020/10/31	82	50 - 130	87	50 - 130	<0.0050	ug/g	NC	40
7031470	o,p-DDD	2020/10/31	70	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7031470	o,p-DDE	2020/10/31	78	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7031470	o,p-DDT	2020/10/31	76	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
7031470	p,p-DDD	2020/10/31	66	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7031470	p,p-DDE	2020/10/31	86	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7031470	p,p-DDT	2020/10/31	78	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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BV Labs Job #: C0S5156
Report Date: 2020/11/04

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7034533	Available (CaCl2) pH	2020/11/03			100	97 - 103			0.59	N/A

N/A = Not Applicable

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

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

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

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

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

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

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

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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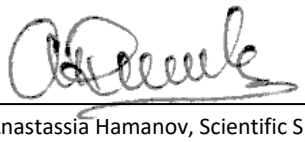
BV Labs Job #: C0S5156
Report Date: 2020/11/04

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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

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28-Oct-20 12:14
Ronklin Gracian

Page 1 of

C0S5156

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Only:
Company Name:	#6868 MTE Consultants Inc	Company Name:	MTE Consultants	Quotation #:	B90004	Bottle Order #: 788639
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:		
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:	123 St. George St., London, ON	Project:	48043-100 DJN ENV-584	Project Manager: Ronklin Gracian
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 204-6510 Fax:	Project Name:		
Email:	accounting@mte85.com	Email:	mgyba@mte85.com, mcostello@mte85.com Mackenzie Costello	Site #:		
				Sampled By:		C#788639-01-01

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer By/ ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	O Reg 153 VOCs by HS & F1-F4	On hold	# of Bottles	Comments
1		BH125-20 1-2	20/10/26	850	Soil		X	1	Limited sample
2		BH125-20 2.5-4.5	↓	902	↓		X	1	↓
3		BH125-20 5-7		910			X	1	
4		BH129-20 1-2		941			X	1	
5		BH129-20 2.5-4.5		946			X	1	
6		BH129-20 5-7		950			X	1	Limited sample.
7		BH129-20 2.5-4.5		846			X	1	
8		MW107-20 1.2-2		1032			X	1	Limited sample.
9		MW107-20 2.5-4.5		1043			X	1	
10		MW107-20 5-7	↓	1054	↓		X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mackenzie Costello	20/10/28	1110	[illegible]	20/10/28	12:14	

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
	5.6,5 4.3.3	Present	✓	
		Intact	✓	

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

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

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

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CHAIN OF CUSTODY RECORD

Page 2 of

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868: MTE Consultants Inc	Company Name:	MTE Consultants	Quotation #:	B90004	BV Labs Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:			793225
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:	123 St. George St, London, ON	Project:	~~48113-100~~ 48043-100	COC #:	Project Manager:
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 204-6510 Fax:	Project Name:		C#793225-14-01	Ronklin Gracian
Email:	accounting@mte85.com	Email:	MGyba@mte85.com, mcostello@mte85.com	Site #:			
				Sampled By:	Mackenzie Costello		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required:

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	PHC F1								# of Bottles	Comments
1		BH127-20 1-2	20/10/26	1638	Soil		X								1	Limited sample
2		BH127-20 2.5-4.5		1645			X								1	
3		BH127-20 5-7		1650			X								1	
4		BH128-20 1-2		1555			X								1	Limited sample
5		BH128-20 2.5-4.5		1600			X								1	
6		BH128-20 5-7		1606			X								1	
7		BH126-20 1-2	20/10/27	808			X								1	Limited sample
8		BH126-20 2.5-4.5		811			X								1	
9		BH126-20 5-7		815			X								1	
10		PH130-20 2.5-4.5		746			X								1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only			
Mackenzie Costello	20/10/28	1110	See page 1				Time Sensitive	Temperature (°C) on Recei	Custody Seal Present / Intact	Yes / No

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

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

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Page 1 of

CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:	MTE Consultants.	Quotation #:	B90004	BV Labs Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:			793225
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:	123 St. George St, London ON	Project:	~~48113-100~~ 43043-100	COC #:	Project Manager:
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 204-6510 Fax:	Project Name:		C#793225-11-01	Ronklin Gracian
Email:	accounting@mte85.com	Email:	MGyba@mte85.com mcostello@mte85.com Mackenzie Costello	Site #: / Sampled By:			

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC): On hold

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	# of Bottles	Comments
1		BH130-20 1-2	20/10/27	843	Soil	1	Limited sample
2		BH130-20 2.5-4.5		846		1	
3		BH130-20 5-7		850		1	
4		BH132-20 1-2		9:12		1	Limited sample
5		BH132-20 2.5-4.5		9:17		1	
6		BH132-20 5-7		9:24		1	
7		BH131-20 1-2		1011		1	
8		BH131-20 2.5-4.5		10.16		1	Limited sample
9		BH131-20 5-7		10:20		1	
10		BH133-20 1-2		1056		1	Limited sample

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
MC(CO)/Mackenzie Costello	20/10/28	1110	See page 1						Intact		

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CHAIN OF CUSTODY RECORD

Page 4 of

INVOICE TO:	REPORT TO:	PROJECT INFORMATION:	Laboratory Use Only:
Company Name: #6868 MTE Consultants Inc	Company Name: MTE Consultants	Quotation #: B90004	BV Labs Job #:
Attention: Accounts Payable	Attention: Monique Gyba	P.O. #:	Bottle Order #: 793225
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9	Address: 123 St George St., London, ON	Project: 48113-100 48043-100	COC #: C#793225-12-01
Tel: (519) 743-6500 Fax: (519) 743-6513	Tel: (519) 204-6510 Fax:	Project Name:	Project Manager: Ronklin Gracian
Email: accounting@mte85.com	Email: MGyba@mte85.com mcostello@mte85.com Mackenzie Costello	Site #: Sampled By:	

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

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

Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg ___ ☐ Storm Sewer Bylaw ☐ MISA ☐ Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___

Special Instructions:

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required:

Please provide advance notice for rush projects

Regular (Standard) TAT: X

(will be applied if Rush TAT is not specified)

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Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.

Job Specific Rush TAT (if applies to entire submission)

Date Required: ___ Time Required: ___ ☐

Rush Confirmation Number: ___ *(call lab for #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	On Hold								# of Bottles	Comments
1		BH133-20 2.5-4.5	20/10/27	1100	Soil		X								1	
2		BH133-20 5-7		1105			X								1	
3		BH134-20 0.25-2		1255			X								1	
4		BH134-20 2.5-4.5		1300			X								1	
5		BH134-20 5-7		1304			X								1	
6		BH135-20 1-2		1336			X								1	
7		BH135 2.5-4.5		1341			X								1	
8		BH135-20 5-7		1347			X								1	
9		BH136-20 1-2		1436			X								1	
10		BH136-20 2.5-4.5		1440			X								1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mackenzie Costello	20/10/28	11:1	See page 1			

Laboratory Use Only: Time Sensitive | Temperature (°C) on Recei | Custody Seal: Present ☐ Intact ☐ Yes ☐ No

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White: BV Labs Yellow: Client

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CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:	MTE Consultants	Quotation #:	B90004	BV Labs Job #:	Bottle Order #: 793225
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:			
Address:	520 Bingemans Centre Dr, Kitchener ON N2B 3X9	Address:	123 St. George St, London, ON	Project:	48113-100	COC #: C#793225-13-01	Project Manager: Ronklin Gracian
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 204-6510 Fax:	Project Name:			
Email:	accounting@mte85.com	Email:	MGyba@mte85.com mcostello@mte85.com	Site #:			
				Sampled By:	Mackenzie Costello		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine	☐ CCME ☐ Sanitary Sewer Bylaw	
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ Reg 558 ☐ Storm Sewer Bylaw	
☐ Table 3 ☐ Agri/Other ☐ For RSC	☐ MISA Municipality	
☐ Table ___	☐ PWQO ☐ Reg 406 Table	
	☐ Other	

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

Regular (Standard) TAT: ☒
(will be applied if Rush TAT is not specified)
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Job Specific Rush TAT (if applies to entire submission)
Date Required: _____ Time Required: _____ ☐
Rush Confirmation Number: _____ *(call lab for #)*

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC): On hold	# of Bottles	Comments
1		BH136-20 5-7	20/10/27	1445	Soil		X	1	Limited sample
2		BH139-20 1-2		1530			X	1	↓
3		BH139-20 2.5-4.5		1536			X	1	
4		BH139-20 5-7		1548			X	1	
5		BH138-20 1-2		1616			X	1	
6		BH138-20 2.5-4.5		1620			X	1	
7		BH138-20 5-7		1622			X	1	
8		BH137-20 1.25-2	20/10/28	812			X	1	
9		BH137-20 2.5-4.5		816			X	1	
10		BH137-20 5-7	↓	5-7	↓		X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
Mackenzie Costello	20/10/28	11:10	See page 1						Intact		

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

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

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

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Feb 26, 2021

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

CHAIN OF CUSTODY RECORD

Page 1 of

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:	MTE Consultants	Quotation #:	B90004	BV Labs Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Monique Gyba	P.O. #:			793225
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:	123 St George St, London, ON	Project:	~~48113-100~~ 48043-100	COC #:	Project Manager:
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(519) 204-6510 Fax:	Project Name:		C#793225-10-01	Ronklin Gracian
Email:	accounting@mte85.com	Email:	MGyba@mte85.com, mcostello@mte85.com	Site #:			
				Sampled By:	Mackenzie Costello		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required:

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	Metals / Hg / Cr VI	# of Bottles	Comments
1		BH137-20 2.5-4.5	~~20~~/10/28	716	Soil		X	1	
2		BH140-20 1-2		845			X	1	
3		BH140-20 2.5-4.5		852			X	1	
4		BH140-20 5-7		858			X	1	
5		BH141-20 1.2-2		925			X	1	
6		BH141-20 2.5-4.5		930			X	1	
7		BH141-20 5-7		936			X	1	
8		MW106-20 1-2		1033			X	1	
9		MW106-20 2.5-4.5		1042			X	1	
10		MW106-20 5-7		1050			X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mackenzie Costello	20/10/28	1110	See page 1			

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
		Present		
		Intact		

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

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

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

White: BV Labs Yellow: Client

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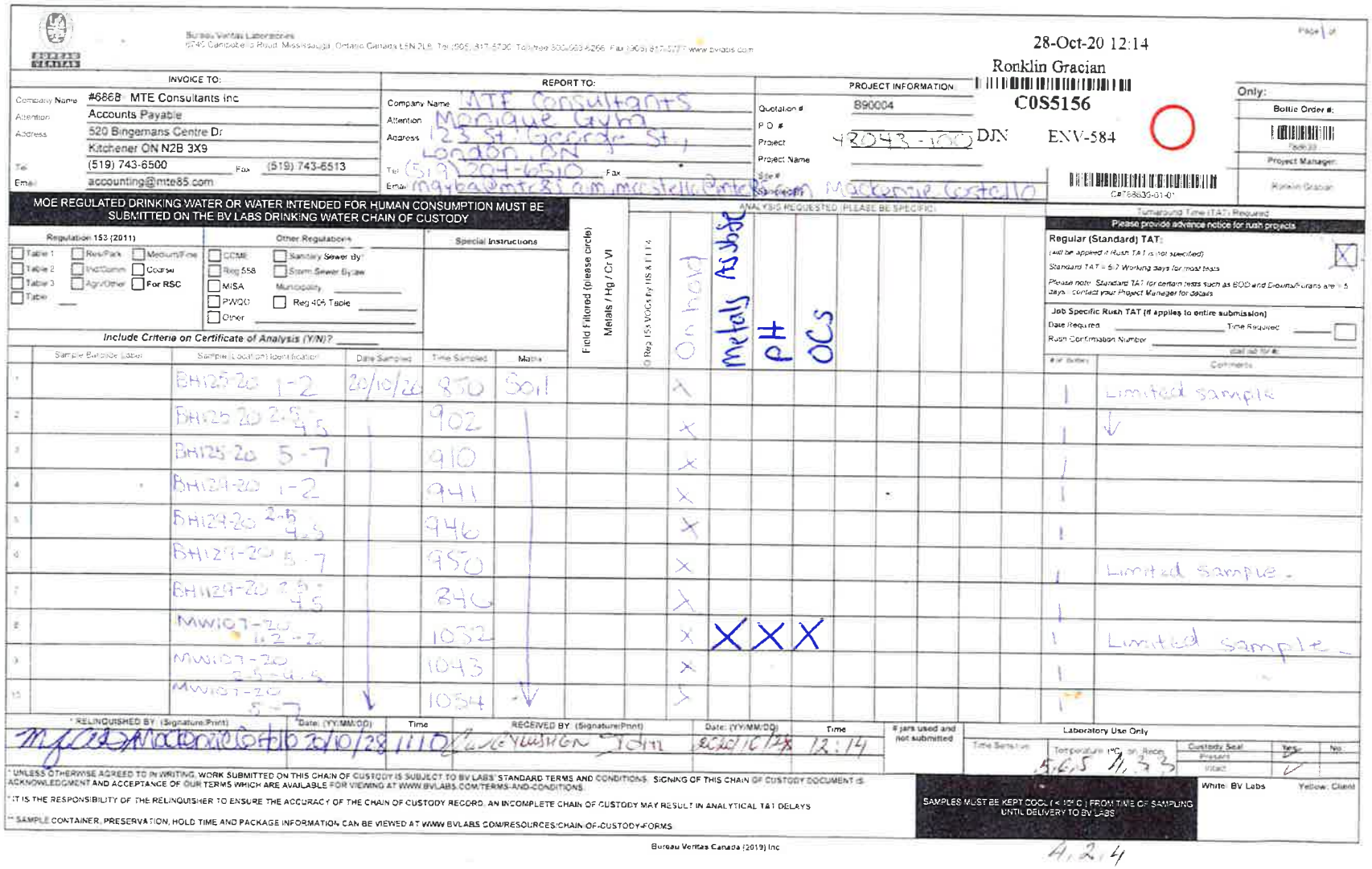

Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario, Canada L5N 2L8 Tel: (905) 817-5700 Toll-free 800 563 6266 Fax: (905) 817-5777 www.bvlabs.com

28-Oct-20 12:14
Ronklin Gracian
C0S5156

INVOICE TO:
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr
Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO:
Company Name: MTE Consultants
Attention: Monique Gyhra
Address: 123 St Jacobs St, London, ON
Tel: (519) 204-6510 Fax:
Email: mgyhra@mte85.com, mcastello@mte85.com, Mackenzie Costello

PROJECT INFORMATION:
Quotation #: B90004
P.O. #:
Project: 43043-100 DJN ENV-584
Project Name:
Site #:
Sampled By: Mackenzie Costello

Only:
Bottle Order #:
Project Manager: Ronklin Gracian

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

Regulation 153 (2011): Table 1, Table 2, Table 3, Table ___, Res/Park, Medium/Fine, Coarse, Agr/Other, For RSC
Other Regulations: CCME, Reg 558, MISA, PWQO, Other, Sanitary Sewer by, Storm Sewer By-law, Municipality, Reg 406 Table
Special Instructions:
Include Criteria on Certificate of Analysis (Y/N)? ___

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):
Field Filtered (please circle): Metals / Hg / Cr VI
O.Reg 153/04 VOCs by HS & I / I / I
Organochlorine Pesticides
Metals As Sb Se
pH
OCs

Turnaround Time (TAT) Required:
Please provide advance notice for rush projects
Regular (Standard) TAT:
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details
Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___
Call lab for #

	Sample Barcode Label	Sample Location / Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	O.Reg 153/04 VOCs	Organochlorine Pesticides	Metals As Sb Se	pH	OCs	# of Bottles	Comments
1		BH125-20 1-2	20/10/20	850	Soil			X				1	Limited sample
2		BH125-20 2.5-4.5		902				X				1	↓
3		BH125-20 5-7		910				X				1	
4		BH124-20 1-2		941				X				1	
5		BH124-20 2.5-4.5		946				X				1	
6		BH124-20 5-7		950				X				1	Limited sample.
7		BH124-20 [illegible]		846				X				1	
8		MW107-20 1.2-2.2		1032				X	X	X	X	1	Limited sample.
9		MW107-20 2.5-4.5		1043				X				1	
10		MW107-20 5-7	↓	1054	↓			X				1	

RELINQUISHED BY (Signature/Print): Mackenzie Costello
Date: (YY/MM/DD): 20/10/28
Time: 1110
RECEIVED BY (Signature/Print): [illegible]
Date: (YY/MM/DD): 20/10/28
Time: 12:14
jars used and not submitted:

Laboratory Use Only
Time Sensitive:
Temperature (°C) on Rece: 5.6, 5 11.3 3
Custody Seal Present: Yes / No
Intact: ✓

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc

4.2.4

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CHAIN OF CUSTODY RECORD

INVOICE TO:
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St George St, London ON
Tel: (519) 204-6510 Fax:
Email: MGyba@mte85.com mcastello@mte85.com
Copy to: Mackenzie Castello

PROJECT INFORMATION
Quotation #: B90004
P.O. #:
Project: ~~18113-100~~ 43043-100
Project Name:
Site #:
Sampled By: Mackenzie Castello

Laboratory Use Only:
BV Labs Job #:
Bottle Order #: 790225
COC #: C#790225-14-41
Project Manager: Branka Grgicin

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

Regulation 153 (2011): ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___
Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___
Special Instructions:
Include Criteria on Certificate of Analysis (Y/N)? ___

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):
Hold for PHC

Turnaround Time (TAT) Required
Please provide advance notice for rush projects
Regular (Standard) TAT:
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests
Please note: Standard TAT for certain tests such as BOD and Dissolved Organics may be longer. Check with your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___
Call lab for #

	Sample Barcode Label	Sample Identification	Date Sampled	Time Sampled	Matrix		# of Bottles	Comments
1		BH127-20 1-2	28/10/20	1638	Soil	X	1	Limited sample
2		BH127-20 2.5 4.5		1645		X	1	
3		BH127-20 5-7		1650		X	1	
4		BH128-20 1-2		1555		X	1	Limited sample
5		BH128-20 2.5 4.5		1600		X	1	
6		BH128-20 5-7		1605		X	1	
7		BH126-20 1-2	28/10/20	805		X	1	Limited sample
8		BH126-20 2.5 4.5		811		X	1	
9		BH126-20 5-7		815		X	1	
10		BH130-20 2.5 4.5		746		X	1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
MC Mackenzie Castello	20/10/28	1110	See Page 1								

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

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

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TOWN OF CALEDON
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CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name	#6868: MTE Consultants Inc	Company Name	MTE Consultants	Quotation #	B90004	BV Labs Job #:	Bottle Order #:
Attention	Accounts Payable	Attention	Monique Gyba	P.O. #			
Address	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address	123 St George St, Loodon ON	Project	~~43173-100~~ 43043-100		
Tel	(519) 743-6500 Fax (519) 743-6513	Tel	(519) 204-6510 Fax	Project Name		COC #:	Project Manager:
Email	accounting@mte85.com	Email	MGyba@mte85.com mcastello@mte85.com sadam@MacKenzieCosta.com	Site # / Sampled By			Rakesh Gadiar

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agr/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer By-law ☐ Reg 558 ☐ Storm Sewer By-law ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

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

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___ ☐
Rush Confirmation Number: ___

	Sample Barcode Label	Sample Location / Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On hold	Metals AS Soil	pH	CCS	# of Bottles	Comments
1		BH130-20 1-2	20/10/27	843	Soil		X				1	Limited Sample
2		BH130-20 2.5-45		8:40			X				1	
3		BH130-20 5-7		850			X				1	
4		BH132-20 1 3 2		9.12			X				1	Limited sample
5		BH132-20 2.5 4 5		9:17			X				1	
6		BH132-20 5-7		9:24			X				1	
7		BH131-20 1-2		1011			X	X	X	X	1	
8		BH131-20 2.5 4 5		10 16			X				1	Limited sample
9		BH131-20 5-7		10 20			X				1	
10		BH133-20 1-2		1056			X				1	Limited sample

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
MCC0/MacKenzieCosta	20/10/28	1110	SGG 7596						Intact		

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc

TOWN OF CALEDON
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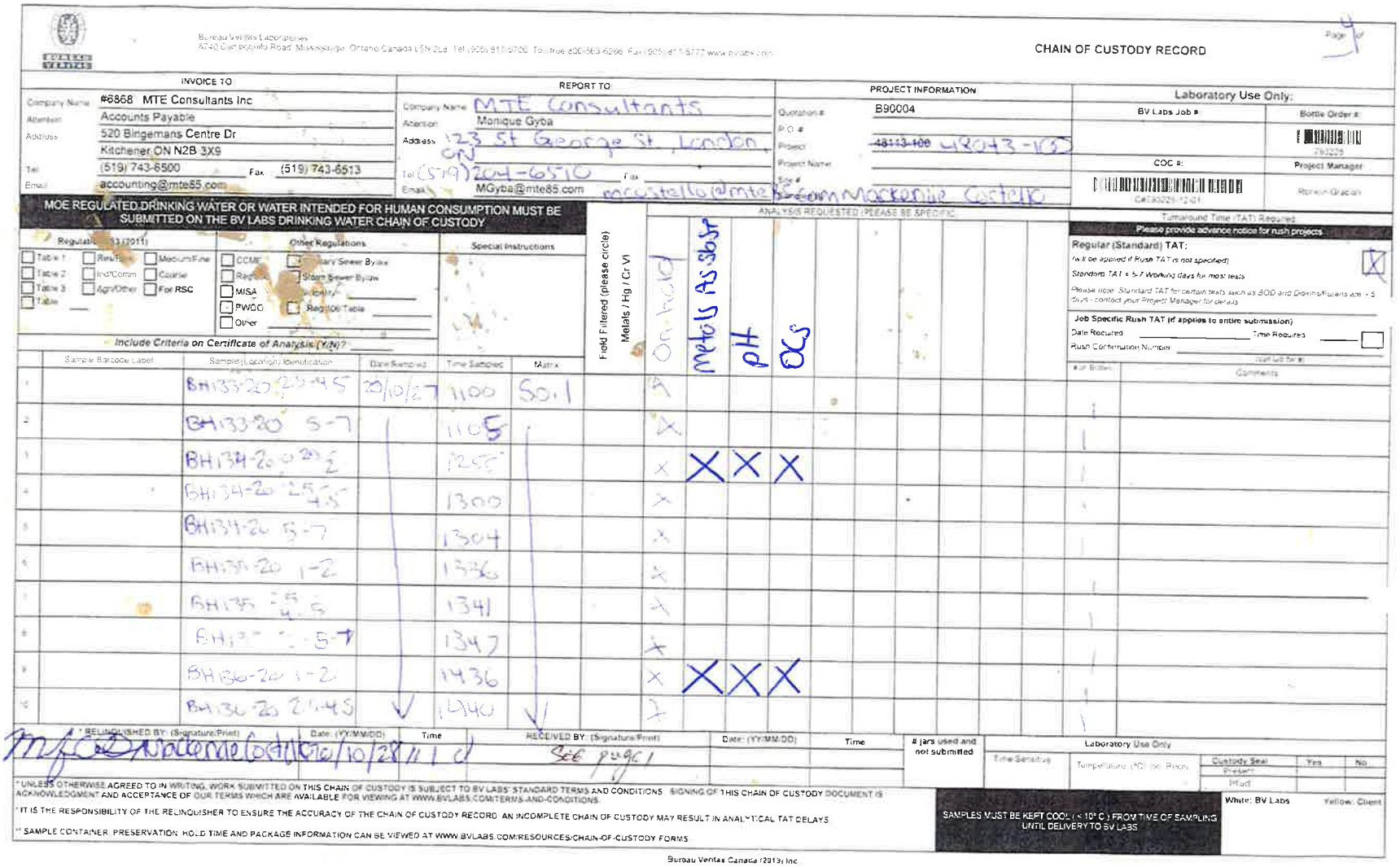
Feb 26, 2021



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

CHAIN OF CUSTODY RECORD

Page 1 of

INVOICE TO
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-8500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St George St, London ON
Tel: (519) 204-6510 Fax:
Email: MGyba@mte85.com, rocastello@mte85.com, mackenzie.costello@mte85.com

PROJECT INFORMATION
Quotation #: B90004
P.O. #:
Project: ~~48113-100~~ 48043-105
Project Name:

Laboratory Use Only:
BV Labs Job #:
Bottle Order #:
COC #:
Project Manager:

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

Regulation 153 (2011): Table 1 / Res/Park / Medium/Fine; Table 2 / Ind/Comm / Coarse; Table 3 / Agr/Other / For RSC; Table ___
Other Regulations: CCME; Reg 558; Sanitary Sewer By-law; Storm Sewer By-law; MISA; Region of ___; PWQO; Reg 406 Table ___; Other
Special Instructions:

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

Turnaround Time (TAT) Required
Please provide advance notice for rush projects
Regular (Standard) TAT: (will be applied if Rush TAT is not specified)
Standard TAT = 5-7 working days for most tests
Please note: Standard TAT for certain tests such as BOD and Ortho Phosphate are 10 - 15 days - contact your Project Manager for details
Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___

	Sample Barcode Label	Sample Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On hold	Metals As Sb Sr	pH	OCs	# of Bottles	Comments
1		BH133-20 2.5-4.5	20/10/27	1100	Soil		X				1	
2		BH133-20 5-7		1105			X				1	
3		BH134-20 2.5-4.5		1255			X	X	X	X	1	
4		BH134-20 2.5-4.5		1300			X				1	
5		BH134-20 5-7		1304			X				1	
6		BH135-20 1-2		1336			X				1	
7		BH135 2.5-4.5		1341			X				1	
8		BH135 5-7		1347			X				1	
9		BH136-20 1-2		1436			X	X	X	X	1	
10		BH136-20 2.1-4.5		1440			X				1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time
Mackenzie Costello	20/10/28	11	See page 1		

8 jars used and not submitted

Laboratory Use Only
Time Sensitive | Temperature (°C) on Receipt | Custody Seal Present | Yes | No
Intact

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.
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** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2013) Inc.

TOWN OF CALEDON
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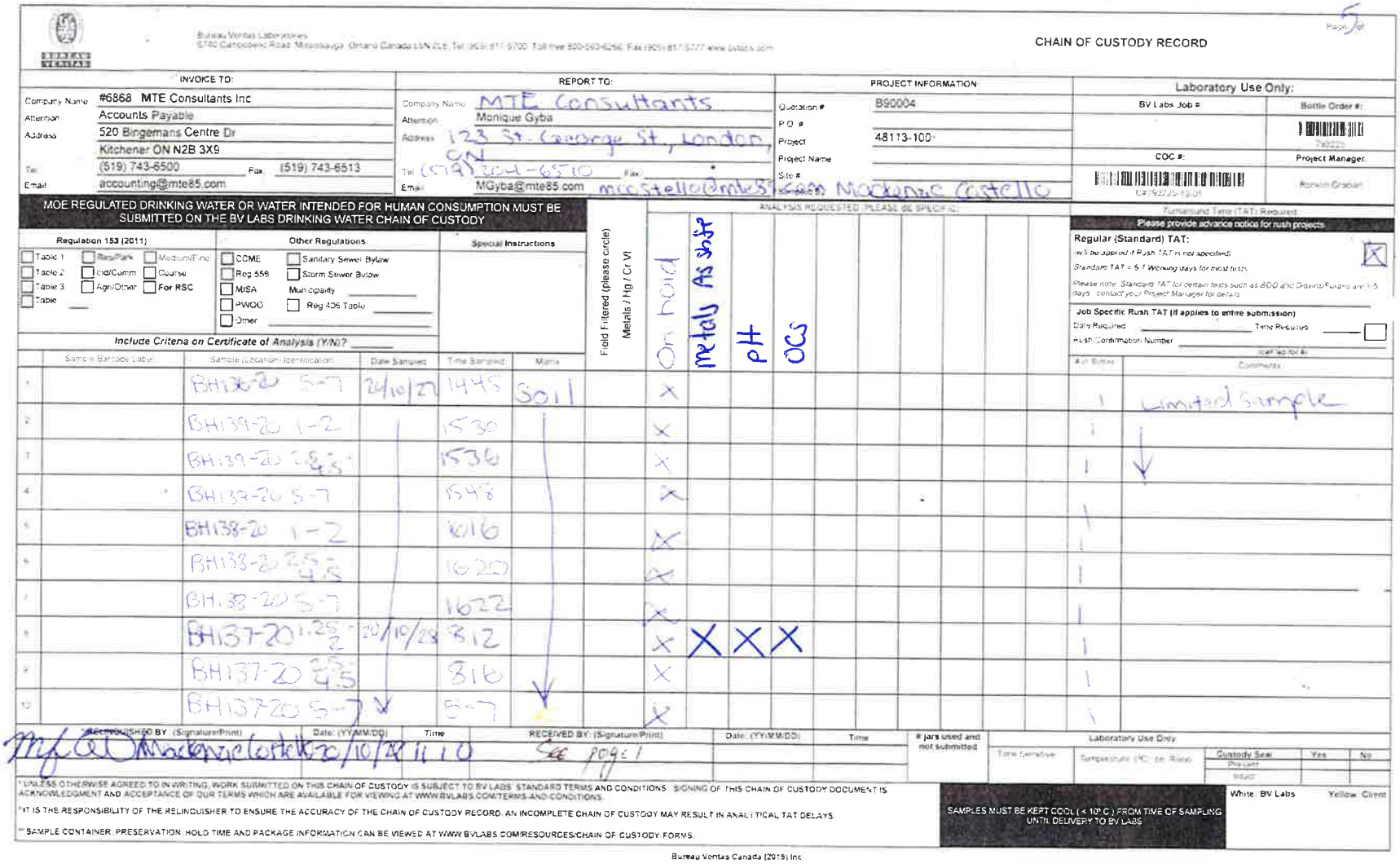
Feb 26, 2021



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

CHAIN OF CUSTODY RECORD

Page 5 of

INVOICE TO:		REPORT TO:		PROJECT INFORMATION		Laboratory Use Only:	
Company Name	#6868 MTE Consultants Inc	Company Name	MTE Consultants	Quotation #	BS0004	BV Labs Job #	Bottle Order #:
Attention	Accounts Payable	Attention	Monique Gyba	P.O. #			
Address	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address	123 St. George St., London, ON	Project	48113-100		
Tel	(519) 743-6500 Fax (519) 743-6513	Tel	(519) 204-6510 Fax	Project Name		COC #:	Project Manager:
Email	accounting@mte85.com	Email	MGyba@mte85.com mcostello@mte85.com Kevin Mackenzie Costello	Site #			Kerwin Gracian

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

Regulation 153 (2011)	Other Regulations	Special Instructions
☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___	☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___	

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On hold	Metals As Sb Se	pH	OCs	# of Bottles	Comments
1		BH136-20 5-7	24/10/20	1445	Soil		X				1	Limited Sample
2		BH139-20 1-2		1530			X				1	
3		BH139-20 2.5-4.5		1536			X				1	
4		BH139-20 5-7		1548			X				1	
5		BH138-20 1-2		1616			X				1	
6		BH138-20 2.5-4.5		1620			X				1	
7		BH138-20 5-7		1622			X				1	
8		BH137-20 1.25-2	20/10/28	812			X	X	X	X	1	
9		BH137-20 2.5-4.5		816			X				1	
10		BH137-20 5-7	↓	5-7	↓		X				1	

Furnish Standard Time (TAT) Required

Please provide advance notice for rush projects

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

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

RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
Mf Kevin Mackenzie Costello	20/10/28	11:10	See page 1						Intact		

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

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

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

TOWN OF CALEDON
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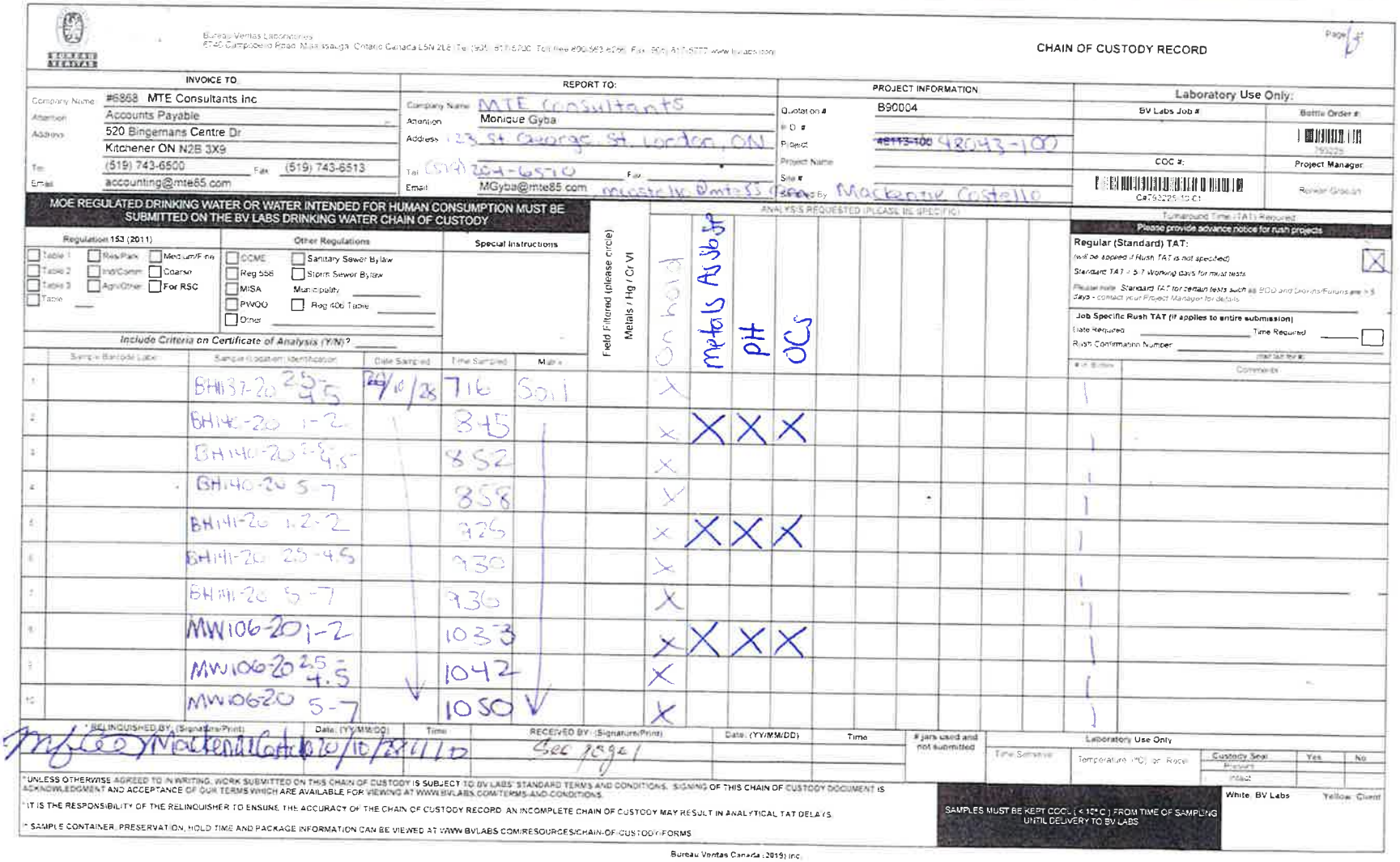

Bureau Veritas Laboratories
6740 Campobello Road, Mississauga, Ontario, Canada L5N 2L8 Tel: (905) 817-5700 Toll free #00(563)6266 Fax: (905) 817-5777 www.bvlabs.com

CHAIN OF CUSTODY RECORD

Page 1 of 1

INVOICE TO:
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO:
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St. George St. Lorctto, ON
Tel: (514) 204-6510 Fax:
Email: MGyba@mte85.com mcostello@mte85.com
Reports By: Mackenzie Costello

PROJECT INFORMATION:
Quotation #: B90004
P.O. #:
Project: ~~48113-100~~ 48043-100
Project Name:
Site #:
Sampled By: Mackenzie Costello

Laboratory Use Only:
BV Labs Job #:
Bottle Order #: 793225
COC #: C#793225-10-01
Project Manager:
Reviewer Initials:

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

Regulation 153 (2011): ☐ Table 1 ☐ Res/Park ☐ Med./Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___
Other Regulations: ☐ CCME ☐ Sanitary Sewer By-law ☐ Reg 558 ☐ Storm Sewer By-law ☐ MISA Municipality ___ ☐ PWQO ☐ Reg 406 Table ___ ☐ Other ___
Special Instructions:
Include Criteria on Certificate of Analysis (Y/N)? ___

Turnaround Time (TAT) Required
Please provide advance notice for rush projects
Regular (Standard) TAT: ☒
(will be applied if Rush TAT is not specified)
Standard TAT = 5-7 Working days for most tests
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___ ☐
Rush Confirmation Number: ___

	Sample Barcode Label	Sample Location / Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	On hold	Metals As Sb Se	pH	OCs	# of Bottles	Comments
1		BH137-20 2.5-4.5	20/10/26	716	Soil		X				1	
2		BH137-20 1-2		845			X	X X X			1	
3		BH140-20 3-4.5		852			X				1	
4		BH140-20 5-7		858			X				1	
5		BH141-20 1.2-2		926			X	X X X			1	
6		BH141-20 2.5-4.5		930			X				1	
7		BH141-20 5-7		936			X				1	
8		MW106-20 1-2		1033			X	X X X			1	
9		MW106-20 2.5-4.5		1042			X				1	
10		MW106-20 5-7		1050			X				1	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
Mackenzie Costello	20/10/27	11:10	See 793221						Intact		

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

White: BV Labs Yellow: Client

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Your Project #: 48043-100
Your C.O.C. #: 797693-08-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/09
Report #: R6403820
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S8723
Received: 2020/10/30, 17:15

Sample Matrix: Soil
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Strong Acid Leachable Metals by ICPMS	2	2020/11/05	2020/11/05	CAM SOP-00447	EPA 6020B m
Moisture	1	N/A	2020/11/04	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	1	2020/11/06	2020/11/07	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	1	N/A	2020/11/05	CAM SOP-00307	EPA 8081/8082 m
pH CaCl2 EXTRACT	2	2020/11/06	2020/11/06	CAM SOP-00413	EPA 9045 D m

Remarks:

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

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

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

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

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TOWN OF CALEDON
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Your Project #: 48043-100
Your C.O.C. #: 797693-08-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/09
Report #: R6403820
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0S8723
Received: 2020/10/30, 17:15

Encryption Key

Ronklin Gracian
Project Manager
09 Nov 2020 14:07:12

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

==========

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

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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Feb 26, 2021

BV Labs Job #: C0S8723
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (SOIL)

BV Labs ID			OAU356	OAU360		
Sampling Date			2020/10/28 15:57	2020/10/29 11:37		
COC Number			797693-08-01	797693-08-01		
	UNITS	**Criteria**	**MW105-20 1-2**	**MW101-20 2.5-4.5**	**RDL**	**QC Batch**
Metals						
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	<0.20	0.20	7040099
Acid Extractable Arsenic (As)	ug/g	18	5.1	4.8	1.0	7040099
Acid Extractable Barium (Ba)	ug/g	220	140	62	0.50	7040099
Acid Extractable Beryllium (Be)	ug/g	2.5	1.1	0.58	0.20	7040099
Acid Extractable Boron (B)	ug/g	36	9.3	7.3	5.0	7040099
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.12	<0.10	0.10	7040099
Acid Extractable Chromium (Cr)	ug/g	70	33	17	1.0	7040099
Acid Extractable Cobalt (Co)	ug/g	21	16	10	0.10	7040099
Acid Extractable Copper (Cu)	ug/g	92	31	30	0.50	7040099
Acid Extractable Lead (Pb)	ug/g	120	13	7.6	1.0	7040099
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	<0.50	0.50	7040099
Acid Extractable Nickel (Ni)	ug/g	82	36	21	0.50	7040099
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	<0.50	0.50	7040099
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	<0.20	0.20	7040099
Acid Extractable Thallium (Tl)	ug/g	1	0.21	0.12	0.050	7040099
Acid Extractable Uranium (U)	ug/g	2.5	0.58	0.42	0.050	7040099
Acid Extractable Vanadium (V)	ug/g	86	45	26	5.0	7040099
Acid Extractable Zinc (Zn)	ug/g	290	76	47	5.0	7040099

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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BV Labs Job #: C0S8723
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OAU356			OAU356		
Sampling Date			2020/10/28 15:57			2020/10/28 15:57		
COC Number			797693-08-01			797693-08-01		
	UNITS	**Criteria**	**MW105-20 1-2**	**RDL**	**QC Batch**	**MW105-20 1-2 Lab-Dup**	**RDL**	**QC Batch**
Inorganics								
Moisture	%	-	17	1.0	7037794			
Calculated Parameters								
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	7035177			
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	7035177			
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	7035177			
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	7035177			
Total Endosulfan	ug/g	-	<0.0020	0.0020	7035177			
Pesticides & Herbicides								
Aldrin	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
a-Chlordane	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
g-Chlordane	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
o,p-DDD	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
p,p-DDD	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
o,p-DDE	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
p,p-DDE	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
o,p-DDT	ug/g	1.4	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
p,p-DDT	ug/g	1.4	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Dieldrin	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Lindane	ug/g	0.01	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Endrin	ug/g	0.04	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Heptachlor	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Hexachlorobenzene	ug/g	0.01	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Hexachlorobutadiene	ug/g	0.01	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852
Hexachloroethane	ug/g	0.01	<0.0020	0.0020	7042852	<0.0020	0.0020	7042852

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

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BV Labs Job #: C0S8723
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

O.REG 153 OC PESTICIDES (SOIL)

BV Labs ID			OAU356			OAU356		
Sampling Date			2020/10/28 15:57			2020/10/28 15:57		
COC Number			797693-08-01			797693-08-01		
	UNITS	**Criteria**	**MW105-20 1-2**	**RDL**	**QC Batch**	**MW105-20 1-2 Lab-Dup**	**RDL**	**QC Batch**
Methoxychlor	ug/g	0.05	<0.0050	0.0050	7042852	<0.0050	0.0050	7042852
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	75		7042852	78		7042852
Decachlorobiphenyl	%	-	97		7042852	96		7042852

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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BV Labs Job #: C0S8723
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

RESULTS OF ANALYSES OF SOIL

BV Labs ID		OAU356	OAU360	
Sampling Date		2020/10/28 15:57	2020/10/29 11:37	
COC Number		797693-08-01	797693-08-01	
	UNITS	**MW105-20 1-2**	**MW101-20 2.5-4.5**	**QC Batch**
Inorganics				
Available (CaCl2) pH	pH	7.22	7.64	7042109
QC Batch = Quality Control Batch				

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BV Labs Job #: C0S8723
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

TEST SUMMARY

BV Labs ID: OAU356
Sample ID: MW105-20 1-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7040099	2020/11/05	2020/11/05	Azita Fazaeli
Moisture	BAL	7037794	N/A	2020/11/04	Gurpreet Kaur (ONT)
OC Pesticides (Selected) & PCB	GC/ECD	7042852	2020/11/06	2020/11/07	Joy Zhang
OC Pesticides Summed Parameters	CALC	7035177	N/A	2020/11/05	Automated Statchk
pH CaCl2 EXTRACT	AT	7042109	2020/11/06	2020/11/06	Neil Dassanayake

BV Labs ID: OAU356 Dup
Sample ID: MW105-20 1-2
Matrix: Soil

Collected: 2020/10/28
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7042852	2020/11/06	2020/11/07	Joy Zhang

BV Labs ID: OAU360
Sample ID: MW101-20 2.5-4.5
Matrix: Soil

Collected: 2020/10/29
Shipped:
Received: 2020/10/30

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Strong Acid Leachable Metals by ICPMS	ICP/MS	7040099	2020/11/05	2020/11/05	Azita Fazaeli
pH CaCl2 EXTRACT	AT	7042109	2020/11/06	2020/11/06	Neil Dassanayake

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Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

GENERAL COMMENTS

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

Package 1	2.3°C

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7042852	2,4,5,6-Tetrachloro-m-xylene	2020/11/07	100	50 - 130	90	50 - 130	86	%		
7042852	Decachlorobiphenyl	2020/11/07	114	50 - 130	102	50 - 130	100	%		
7037794	Moisture	2020/11/04							6.4	20
7040099	Acid Extractable Antimony (Sb)	2020/11/05	84	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
7040099	Acid Extractable Arsenic (As)	2020/11/05	103	75 - 125	103	80 - 120	<1.0	ug/g	14	30
7040099	Acid Extractable Barium (Ba)	2020/11/05	NC	75 - 125	100	80 - 120	<0.50	ug/g	7.6	30
7040099	Acid Extractable Beryllium (Be)	2020/11/05	107	75 - 125	101	80 - 120	<0.20	ug/g	5.8	30
7040099	Acid Extractable Boron (B)	2020/11/05	97	75 - 125	95	80 - 120	<5.0	ug/g	12	30
7040099	Acid Extractable Cadmium (Cd)	2020/11/05	104	75 - 125	100	80 - 120	<0.10	ug/g	9.5	30
7040099	Acid Extractable Chromium (Cr)	2020/11/05	NC	75 - 125	101	80 - 120	<1.0	ug/g	5.0	30
7040099	Acid Extractable Cobalt (Co)	2020/11/05	98	75 - 125	102	80 - 120	<0.10	ug/g	6.4	30
7040099	Acid Extractable Copper (Cu)	2020/11/05	NC	75 - 125	101	80 - 120	<0.50	ug/g	4.5	30
7040099	Acid Extractable Lead (Pb)	2020/11/05	98	75 - 125	100	80 - 120	<1.0	ug/g	4.8	30
7040099	Acid Extractable Molybdenum (Mo)	2020/11/05	104	75 - 125	102	80 - 120	<0.50	ug/g	1.7	30
7040099	Acid Extractable Nickel (Ni)	2020/11/05	NC	75 - 125	102	80 - 120	<0.50	ug/g	8.9	30
7040099	Acid Extractable Selenium (Se)	2020/11/05	108	75 - 125	103	80 - 120	<0.50	ug/g	NC	30
7040099	Acid Extractable Silver (Ag)	2020/11/05	103	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
7040099	Acid Extractable Thallium (Tl)	2020/11/05	100	75 - 125	99	80 - 120	<0.050	ug/g	1.2	30
7040099	Acid Extractable Uranium (U)	2020/11/05	102	75 - 125	100	80 - 120	<0.050	ug/g	0.90	30
7040099	Acid Extractable Vanadium (V)	2020/11/05	NC	75 - 125	102	80 - 120	<5.0	ug/g	3.2	30
7040099	Acid Extractable Zinc (Zn)	2020/11/05	NC	75 - 125	106	80 - 120	<5.0	ug/g	3.9	30
7042109	Available (CaCl2) pH	2020/11/06			100	97 - 103			0.0013	N/A
7042852	a-Chlordane	2020/11/07	85	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7042852	Aldrin	2020/11/07	77	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
7042852	Dieldrin	2020/11/07	101	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
7042852	Endosulfan I (alpha)	2020/11/07	79	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
7042852	Endosulfan II (beta)	2020/11/07	79	50 - 130	73	50 - 130	<0.0020	ug/g	NC	40
7042852	Endrin	2020/11/07	93	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7042852	g-Chlordane	2020/11/07	102	50 - 130	99	50 - 130	<0.0020	ug/g	NC	40
7042852	Heptachlor epoxide	2020/11/07	82	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
7042852	Heptachlor	2020/11/07	80	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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Feb 26, 2021

BV Labs Job #: C0S8723
Report Date: 2020/11/09

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7042852	Hexachlorobenzene	2020/11/07	76	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
7042852	Hexachlorobutadiene	2020/11/07	75	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40
7042852	Hexachloroethane	2020/11/07	56	50 - 130	58	50 - 130	<0.0020	ug/g	NC	40
7042852	Lindane	2020/11/07	73	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
7042852	Methoxychlor	2020/11/07	95	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
7042852	o,p-DDD	2020/11/07	96	50 - 130	91	50 - 130	<0.0020	ug/g	NC	40
7042852	o,p-DDE	2020/11/07	86	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
7042852	o,p-DDT	2020/11/07	111	50 - 130	105	50 - 130	<0.0020	ug/g	NC	40
7042852	p,p-DDD	2020/11/07	94	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
7042852	p,p-DDE	2020/11/07	102	50 - 130	88	50 - 130	<0.0020	ug/g	NC	40
7042852	p,p-DDT	2020/11/07	94	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40

N/A = Not Applicable

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

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

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

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

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

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

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

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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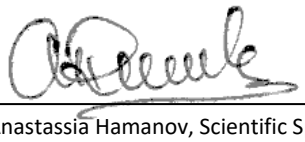
BV Labs Job #: C0S8723
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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

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TOWN OF CALEDON
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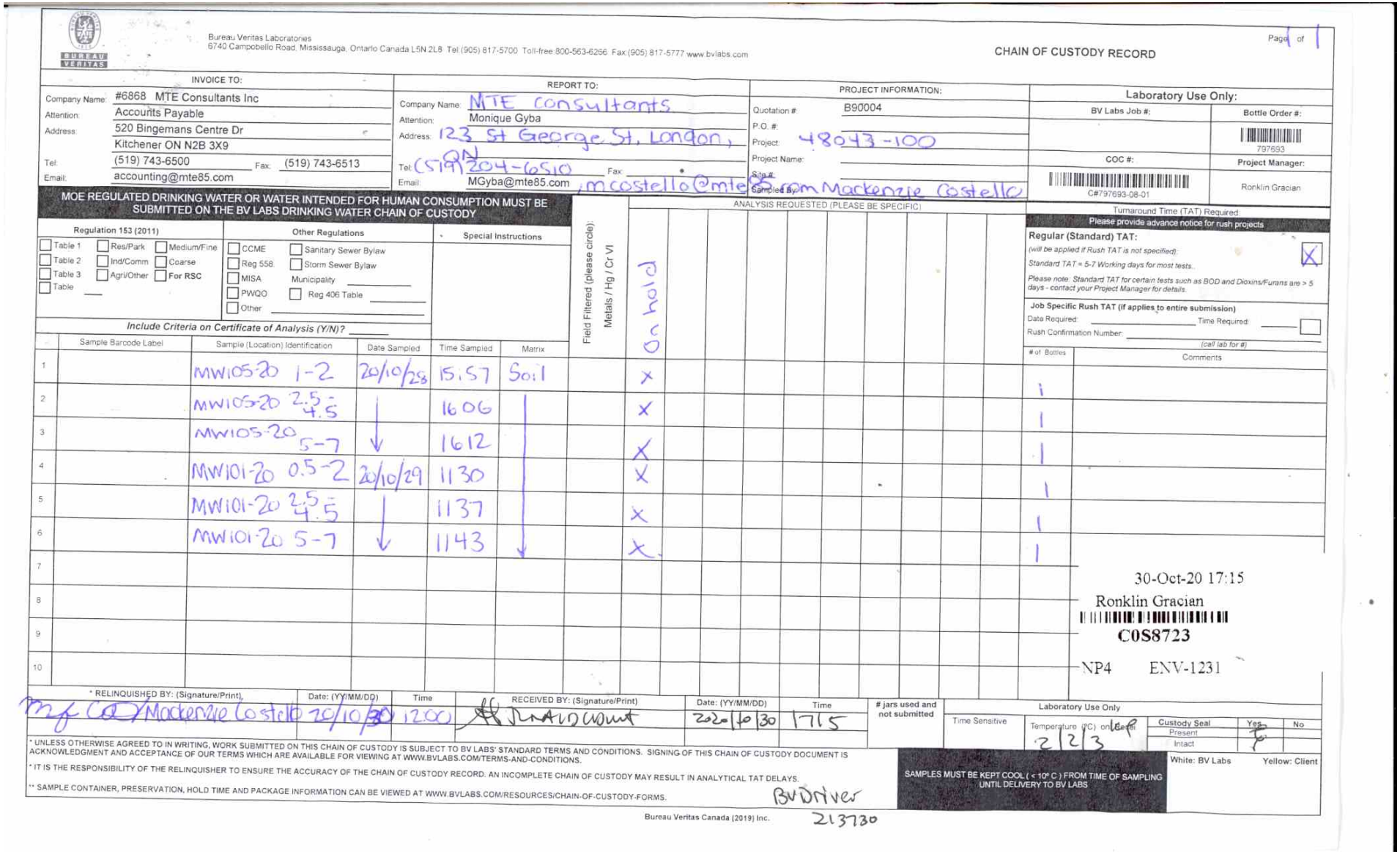

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Page 1 of 1

CHAIN OF CUSTODY RECORD

INVOICE TO:
Company Name: #6868 MTE Consultants Inc
Attention: Accounts Payable
Address: 520 Bingemans Centre Dr, Kitchener ON N2B 3X9
Tel: (519) 743-6500 Fax: (519) 743-6513
Email: accounting@mte85.com

REPORT TO:
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St George St, London, ON
Tel: (519) 204-6510 Fax:
Email: MGyba@mte85.com, mcostello@mte85.com, Mackenzie Costello

PROJECT INFORMATION:
Quotation #: B90004
P.O. #:
Project: 48043-100
Project Name:
Site #:
Sampled By: Mackenzie Costello

Laboratory Use Only:
BV Labs Job #:
Bottle Order #: 797693
COC #: C#797693-08-01
Project Manager: Ronklin Gracian

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

Regulation 153 (2011): ☐ Table 1 ☐ Res/Park ☐ Medium/Fine ☐ Table 2 ☐ Ind/Comm ☐ Coarse ☐ Table 3 ☐ Agri/Other ☐ For RSC ☐ Table ___
Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other
Special Instructions
Include Criteria on Certificate of Analysis (Y/N)?

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC): Hold

Turnaround Time (TAT) Required
Please provide advance notice for rush projects
Regular (Standard) TAT: (will be applied if Rush TAT is not specified) X
Standard TAT = 5-7 Working days for most tests.
Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
Job Specific Rush TAT (if applies to entire submission)
Date Required: Time Required:
Rush Confirmation Number: (call lab for #)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	# of Bottles	Comments
1		MW105-20 1-2	20/10/28	15:57	Soil	1	
2		MW105-20 2.5-4.5		16:06		1	
3		MW105-20 5-7		16:12		1	
4		MW101-20 0.5-2	20/10/29	11:30		1	
5		MW101-20 2.5-4.5		11:37		1	
6		MW101-20 5-7		11:43		1	
7							
8							
9							
10							

30-Oct-20 17:15
Ronklin Gracian
C0S8723
NP4 ENV-1231

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mackenzie Costello	20/10/30	1200	[illegible]	2020/10/30	1715	

Laboratory Use Only
Time Sensitive
Temperature (°C) on Receipt: 2 2 3
Custody Seal Present: Yes
Custody Seal Intact: Yes

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

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

White: BV Labs Yellow: Client

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Bureau Veritas Canada (2019) Inc.

TOWN OF CALEDON
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BV Labs Job #: C0S8723
Report Date: 2020/11/09

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: MC

Exceedance Summary Table – Reg153/04 T1-Soil/Res

Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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Page 1 of 1

CHAIN OF CUSTODY RECORD

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Email: accounting@mte85.com

REPORT TO
Company Name: MTE Consultants
Attention: Monique Gyba
Address: 123 St George St. London
Tel: (519) 204-6510 Fax:
Email: MGyba@mte85.com mcostello@mte85.com Brian.Mackenzie@costello

PROJECT INFORMATION:
Quotation #: B90004
P.O. #:
Project: 42243-100
Project Name:

Laboratory Use Only:
BV Labs Job #:
Bottle Order #: 737503
COC #: C0S8723
Project Manager: Ronklin Gracian

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

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

Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558 ☐ Storm Sewer Bylaw ☐ MISA Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other

Special Instructions

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):

Turnaround Time (TAT) Required

Please provide advance notice for rush projects

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

Job Specific Rush TAT (if applies to entire submission)
Date Required: ___ Time Required: ___
Rush Confirmation Number: ___

	Sample Barcode Label	Sample Location / Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O. Reg 153 (511) VOCs + F1-F4 + Hydrides	Metals	As, Sb, Se	pH	OCs	# of Bottles	Comments
1		MW105-20 1-2	20/10/29	15:57	Soil		X	X	X	X	X	1	
2		MW105-20 2.5-4.5		16:06			X					1	
3		MW105-20 5-7		16:12			X					1	
4		MW101-20 0.5-2	20/10/29	11:30			X					1	
5		MW101-20 3.5-5		11:37			X	X	X	X		1	
6		MW101-20 5-7		11:43			X					1	
7													
8													
9													
10													

30-Oct-20 17:15
Ronklin Gracian
C0S8723
VP4 ENV-1231

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Time Sensitive
[illegible] Mackenzie Costello	20/10/30	12:00	[illegible]	20/10/30	17:15		

Laboratory Use Only
Temperature (°C) on Receipt: 2 2 3
Custody Seal Present: Yes ☒ No ☐
Intact: Yes ☒ No ☐

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BV LABS' STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVLABS.COM/TERMS-AND-CONDITIONS.
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** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVLABS.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS

BV Driver
213730

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc

TOWN OF CALEDON
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RECEIVED
Feb 26, 2021

Your Project #: 48043-100
Your C.O.C. #: 801107-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/19
Report #: R6416786
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: C0U0259
Received: 2020/11/11, 17:46

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Petroleum Hydro. CCME F1 & BTEX in Water	2	N/A	2020/11/16	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydro. CCME F1 & BTEX in Water	1	N/A	2020/11/17	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Water (1)	3	2020/11/16	2020/11/17	CAM SOP-00316	CCME PHC-CWS m
Dissolved Metals by ICPMS	4	N/A	2020/11/16	CAM SOP-00447	EPA 6020B m
OC Pesticides (Selected) & PCB (2)	4	2020/11/16	2020/11/17	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	4	N/A	2020/11/16	CAM SOP-00307	EPA 8081A/8082B m
pH	4	2020/11/13	2020/11/16	CAM SOP-00413	SM 4500H+ B m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

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

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

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Your Project #: 48043-100
Your C.O.C. #: 801107-01-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/19
Report #: R6416786
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BV LABS JOB #: C0U0259
Received: 2020/11/11, 17:46
(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Deepthi Shaji
Project Manager
19 Nov 2020 14:38:47

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

==========

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TOWN OF CALEDON
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Feb 26, 2021

BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

RESULTS OF ANALYSES OF WATER

BV Labs ID		ODI871	ODI872	ODI873	ODI874	
Sampling Date		2020/11/11 16:15	2020/11/11 13:10	2020/11/11 15:30	2020/11/11 13:15	
COC Number		801107-01-01	801107-01-01	801107-01-01	801107-01-01	
	UNITS	**MW102-20**	**MW106-20**	**MW107-20**	**MW1106-20**	**QC Batch**
Inorganics						
pH	pH	7.60	7.82	8.11	7.98	7055919
QC Batch = Quality Control Batch						

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

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
PLANNING
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Feb 26, 2021

BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

O.REG 153 METALS GROUPS 1.2.2 & 1.2.3 (WATER)

BV Labs ID			ODI871	ODI872	ODI873	ODI874		
Sampling Date			2020/11/11 16:15	2020/11/11 13:10	2020/11/11 15:30	2020/11/11 13:15		
COC Number			801107-01-01	801107-01-01	801107-01-01	801107-01-01		
	UNITS	**Criteria**	**MW102-20**	**MW106-20**	**MW107-20**	**MW1106-20**	**RDL**	**QC Batch**
Metals								
Dissolved Antimony (Sb)	ug/L	1.5	<0.50	<0.50	<0.50	<0.50	0.50	7055517
Dissolved Arsenic (As)	ug/L	13	<1.0	3.5	6.5	3.6	1.0	7055517
Dissolved Barium (Ba)	ug/L	610	100	190	140	190	2.0	7055517
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	<0.40	<0.40	<0.40	0.40	7055517
Dissolved Boron (B)	ug/L	1700	39	47	62	48	10	7055517
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	<0.090	<0.090	<0.090	0.090	7055517
Dissolved Chromium (Cr)	ug/L	11	<5.0	<5.0	<5.0	<5.0	5.0	7055517
Dissolved Cobalt (Co)	ug/L	3.8	0.65	<0.50	<0.50	<0.50	0.50	7055517
Dissolved Copper (Cu)	ug/L	5	2.2	0.93	<0.90	<0.90	0.90	7055517
Dissolved Lead (Pb)	ug/L	1.9	<0.50	<0.50	<0.50	<0.50	0.50	7055517
Dissolved Molybdenum (Mo)	ug/L	23	2.9	1.5	3.0	1.4	0.50	7055517
Dissolved Nickel (Ni)	ug/L	14	1.7	<1.0	<1.0	<1.0	1.0	7055517
Dissolved Selenium (Se)	ug/L	5	<2.0	<2.0	<2.0	<2.0	2.0	7055517
Dissolved Silver (Ag)	ug/L	0.3	<0.090	<0.090	<0.090	<0.090	0.090	7055517
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	<0.050	<0.050	<0.050	0.050	7055517
Dissolved Uranium (U)	ug/L	8.9	2.9	0.26	0.44	0.24	0.10	7055517
Dissolved Vanadium (V)	ug/L	3.9	0.70	<0.50	0.51	<0.50	0.50	7055517
Dissolved Zinc (Zn)	ug/L	160	<5.0	<5.0	<5.0	<5.0	5.0	7055517

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Combined Table 1: Full Depth Background Site Condition Standards
Soil - Agricultural or Other Property Use
and Ground Water - All Types of Property Uses

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TOWN OF CALEDON
PLANNING
RECEIVED
Feb 26, 2021

BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

O.REG 153 OC PESTICIDES (WATER)

BV Labs ID			ODI871			ODI871			ODI872		
Sampling Date			2020/11/11 16:15			2020/11/11 16:15			2020/11/11 13:10		
COC Number			801107-01-01			801107-01-01			801107-01-01		
	UNITS	**Criteria**	**MW102-20**	**RDL**	**QC Batch**	**MW102-20 Lab-Dup**	**RDL**	**QC Batch**	**MW106-20**	**RDL**	**QC Batch**
Calculated Parameters											
Chlordane (Total)	ug/L	-	<0.005	0.005	7052841				<0.005	0.005	7052841
o,p-DDD + p,p-DDD	ug/L	-	<0.005	0.005	7052841				<0.005	0.005	7052841
o,p-DDE + p,p-DDE	ug/L	-	<0.005	0.005	7052841				<0.005	0.005	7052841
o,p-DDT + p,p-DDT	ug/L	-	<0.005	0.005	7052841				<0.005	0.005	7052841
Total Endosulfan	ug/L	-	<0.005	0.005	7052841				<0.005	0.005	7052841
Pesticides & Herbicides											
Aldrin	ug/L	0.01	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Dieldrin	ug/L	0.05	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
a-Chlordane	ug/L	0.06	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
g-Chlordane	ug/L	0.06	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
o,p-DDD	ug/L	1.8	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
p,p-DDD	ug/L	1.8	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
o,p-DDE	ug/L	10	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
p,p-DDE	ug/L	10	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
o,p-DDT	ug/L	0.05	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
p,p-DDT	ug/L	0.05	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Lindane	ug/L	0.01	<0.003	0.003	7057658	<0.003	0.003	7057658	<0.003	0.003	7057658
Endosulfan I (alpha)	ug/L	0.05	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Endosulfan II (beta)	ug/L	0.05	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Endrin	ug/L	0.05	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Heptachlor	ug/L	0.01	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Heptachlor epoxide	ug/L	0.01	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Hexachlorobenzene	ug/L	0.01	<0.005	0.005	7057658	<0.005	0.005	7057658	<0.005	0.005	7057658
Hexachlorobutadiene	ug/L	0.01	<0.009	0.009	7057658	<0.009	0.009	7057658	<0.009	0.009	7057658
Hexachloroethane	ug/L	0.01	<0.01	0.01	7057658	<0.01	0.01	7057658	<0.01	0.01	7057658
Methoxychlor	ug/L	0.05	<0.01	0.01	7057658	<0.01	0.01	7057658	<0.01	0.01	7057658

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Combined Table 1: Full Depth Background Site Condition Standards
Soil - Agricultural or Other Property Use
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BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

O.REG 153 OC PESTICIDES (WATER)

BV Labs ID			ODI871			ODI871			ODI872		
Sampling Date			2020/11/11 16:15			2020/11/11 16:15			2020/11/11 13:10		
COC Number			801107-01-01			801107-01-01			801107-01-01		
	UNITS	**Criteria**	**MW102-20**	**RDL**	**QC Batch**	**MW102-20 Lab-Dup**	**RDL**	**QC Batch**	**MW106-20**	**RDL**	**QC Batch**
Surrogate Recovery (%)											
2,4,5,6-Tetrachloro-m-xylene	%	-	82		7057658	70		7057658	69		7057658
Decachlorobiphenyl	%	-	84		7057658	89		7057658	83		7057658

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Soil - Agricultural or Other Property Use
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Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

O.REG 153 OC PESTICIDES (WATER)

BV Labs ID			ODI873	ODI874		
Sampling Date			2020/11/11 15:30	2020/11/11 13:15		
COC Number			801107-01-01	801107-01-01		
	UNITS	**Criteria**	**MW107-20**	**MW1106-20**	**RDL**	**QC Batch**
Calculated Parameters						
Chlordane (Total)	ug/L	-	<0.005	<0.005	0.005	7052841
o,p-DDD + p,p-DDD	ug/L	-	<0.005	<0.005	0.005	7052841
o,p-DDE + p,p-DDE	ug/L	-	<0.005	<0.005	0.005	7052841
o,p-DDT + p,p-DDT	ug/L	-	<0.005	<0.005	0.005	7052841
Total Endosulfan	ug/L	-	<0.005	<0.005	0.005	7052841
Pesticides & Herbicides						
Aldrin	ug/L	0.01	<0.005	<0.005	0.005	7057658
Dieldrin	ug/L	0.05	<0.005	<0.005	0.005	7057658
a-Chlordane	ug/L	0.06	<0.005	<0.005	0.005	7057658
g-Chlordane	ug/L	0.06	<0.005	<0.005	0.005	7057658
o,p-DDD	ug/L	1.8	<0.005	<0.005	0.005	7057658
p,p-DDD	ug/L	1.8	<0.005	<0.005	0.005	7057658
o,p-DDE	ug/L	10	<0.005	<0.005	0.005	7057658
p,p-DDE	ug/L	10	<0.005	<0.005	0.005	7057658
o,p-DDT	ug/L	0.05	<0.005	<0.005	0.005	7057658
p,p-DDT	ug/L	0.05	<0.005	<0.005	0.005	7057658
Lindane	ug/L	0.01	<0.003	<0.003	0.003	7057658
Endosulfan I (alpha)	ug/L	0.05	<0.005	<0.005	0.005	7057658
Endosulfan II (beta)	ug/L	0.05	<0.005	<0.005	0.005	7057658
Endrin	ug/L	0.05	<0.005	<0.005	0.005	7057658
Heptachlor	ug/L	0.01	<0.005	<0.005	0.005	7057658
Heptachlor epoxide	ug/L	0.01	<0.005	<0.005	0.005	7057658
Hexachlorobenzene	ug/L	0.01	<0.005	<0.005	0.005	7057658
Hexachlorobutadiene	ug/L	0.01	<0.009	<0.009	0.009	7057658
Hexachloroethane	ug/L	0.01	<0.01	<0.01	0.01	7057658
Methoxychlor	ug/L	0.05	<0.01	<0.01	0.01	7057658
Surrogate Recovery (%)						
2,4,5,6-Tetrachloro-m-xylene	%	-	75	73		7057658

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Combined Table 1: Full Depth Background Site Condition Standards
Soil - Agricultural or Other Property Use
and Ground Water - All Types of Property Uses

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TOWN OF CALEDON
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BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

O.REG 153 OC PESTICIDES (WATER)

BV Labs ID			ODI873	ODI874		
Sampling Date			2020/11/11 15:30	2020/11/11 13:15		
COC Number			801107-01-01	801107-01-01		
	UNITS	**Criteria**	**MW107-20**	**MW1106-20**	**RDL**	**QC Batch**
Decachlorobiphenyl	%	-	85	87		7057658

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Combined Table 1: Full Depth Background Site Condition Standards
Soil - Agricultural or Other Property Use
and Ground Water - All Types of Property Uses

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BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

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

BV Labs ID			ODI871	ODI872	ODI873		
Sampling Date			2020/11/11 16:15	2020/11/11 13:10	2020/11/11 15:30		
COC Number			801107-01-01	801107-01-01	801107-01-01		
	UNITS	**Criteria**	**MW102-20**	**MW106-20**	**MW107-20**	**RDL**	**QC Batch**
BTEX & F1 Hydrocarbons							
Benzene	ug/L	0.5	<0.20	<0.20	<0.20	0.20	7059134
Toluene	ug/L	0.8	<0.20	<0.20	<0.20	0.20	7059134
Ethylbenzene	ug/L	0.5	<0.20	<0.20	<0.20	0.20	7059134
o-Xylene	ug/L	-	<0.20	<0.20	<0.20	0.20	7059134
p+m-Xylene	ug/L	-	<0.40	<0.40	<0.40	0.40	7059134
Total Xylenes	ug/L	72	<0.40	<0.40	<0.40	0.40	7059134
F1 (C6-C10)	ug/L	-	<25	<25	<25	25	7059134
F1 (C6-C10) - BTEX	ug/L	420	<25	<25	<25	25	7059134
F2-F4 Hydrocarbons							
F2 (C10-C16 Hydrocarbons)	ug/L	150	<100	<100	<100	100	7059444
F3 (C16-C34 Hydrocarbons)	ug/L	500	<200	<200	<200	200	7059444
F4 (C34-C50 Hydrocarbons)	ug/L	500	<200	<200	<200	200	7059444
Reached Baseline at C50	ug/L	-	Yes	Yes	Yes		7059444
Surrogate Recovery (%)							
1,4-Difluorobenzene	%	-	99	97	100		7059134
4-Bromofluorobenzene	%	-	95	94	94		7059134
D10-o-Xylene	%	-	92	94	92		7059134
D4-1,2-Dichloroethane	%	-	103	102	105		7059134
o-Terphenyl	%	-	106	105	103		7059444

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Combined Table 1: Full Depth Background Site Condition Standards
Soil - Agricultural or Other Property Use
and Ground Water - All Types of Property Uses

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BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

TEST SUMMARY

BV Labs ID: ODI871
Sample ID: MW102-20
Matrix: Water

Collected: 2020/11/11
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	7059134	N/A	2020/11/16	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7059444	2020/11/16	2020/11/17	Prabhjot Gulati
Dissolved Metals by ICPMS	ICP/MS	7055517	N/A	2020/11/16	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	7057658	2020/11/16	2020/11/17	Li Peng
OC Pesticides Summed Parameters	CALC	7052841	N/A	2020/11/16	Automated Statchk
pH	AT	7055919	2020/11/13	2020/11/16	Surinder Rai

BV Labs ID: ODI871 Dup
Sample ID: MW102-20
Matrix: Water

Collected: 2020/11/11
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	7057658	2020/11/16	2020/11/17	Li Peng

BV Labs ID: ODI872
Sample ID: MW106-20
Matrix: Water

Collected: 2020/11/11
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	7059134	N/A	2020/11/16	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7059444	2020/11/16	2020/11/17	Prabhjot Gulati
Dissolved Metals by ICPMS	ICP/MS	7055517	N/A	2020/11/16	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	7057658	2020/11/16	2020/11/17	Li Peng
OC Pesticides Summed Parameters	CALC	7052841	N/A	2020/11/16	Automated Statchk
pH	AT	7055919	2020/11/13	2020/11/16	Surinder Rai

BV Labs ID: ODI873
Sample ID: MW107-20
Matrix: Water

Collected: 2020/11/11
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Water	HSGC/MSFD	7059134	N/A	2020/11/17	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	7059444	2020/11/16	2020/11/17	Prabhjot Gulati
Dissolved Metals by ICPMS	ICP/MS	7055517	N/A	2020/11/16	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	7057658	2020/11/16	2020/11/17	Li Peng
OC Pesticides Summed Parameters	CALC	7052841	N/A	2020/11/16	Automated Statchk
pH	AT	7055919	2020/11/13	2020/11/16	Surinder Rai

BV Labs ID: ODI874
Sample ID: MW1106-20
Matrix: Water

Collected: 2020/11/11
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	7055517	N/A	2020/11/16	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	7057658	2020/11/16	2020/11/17	Li Peng
OC Pesticides Summed Parameters	CALC	7052841	N/A	2020/11/16	Automated Statchk

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BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

TEST SUMMARY

BV Labs ID: ODI874
Sample ID: MW1106-20
Matrix: Water

Collected: 2020/11/11
Shipped:
Received: 2020/11/11

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
pH	AT	7055919	2020/11/13	2020/11/16	Surinder Rai

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Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

GENERAL COMMENTS

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

Package 1	10.7°C

Revised Report [2020/11/19] - Criteria included in the report as per client request.

Results relate only to the items tested.

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Report Date: 2020/11/19

QUALITY ASSURANCE REPORT

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7057658	2,4,5,6-Tetrachloro-m-xylene	2020/11/17	64	50 - 130	66	50 - 130	67	%		
7057658	Decachlorobiphenyl	2020/11/17	77	50 - 130	87	50 - 130	86	%		
7059134	1,4-Difluorobenzene	2020/11/16	101	70 - 130	100	70 - 130	100	%		
7059134	4-Bromofluorobenzene	2020/11/16	93	70 - 130	95	70 - 130	97	%		
7059134	D10-o-Xylene	2020/11/16	91	70 - 130	93	70 - 130	96	%		
7059134	D4-1,2-Dichloroethane	2020/11/16	96	70 - 130	98	70 - 130	102	%		
7059444	o-Terphenyl	2020/11/17	101	60 - 130	107	60 - 130	104	%		
7055517	Dissolved Antimony (Sb)	2020/11/16	100	80 - 120	97	80 - 120	<0.50	ug/L	NC	20
7055517	Dissolved Arsenic (As)	2020/11/16	96	80 - 120	99	80 - 120	<1.0	ug/L	NC	20
7055517	Dissolved Barium (Ba)	2020/11/16	98	80 - 120	95	80 - 120	<2.0	ug/L	0.89	20
7055517	Dissolved Beryllium (Be)	2020/11/16	99	80 - 120	95	80 - 120	<0.40	ug/L	NC	20
7055517	Dissolved Boron (B)	2020/11/16	102	80 - 120	99	80 - 120	<10	ug/L	0.48	20
7055517	Dissolved Cadmium (Cd)	2020/11/16	98	80 - 120	98	80 - 120	<0.090	ug/L	NC	20
7055517	Dissolved Chromium (Cr)	2020/11/16	98	80 - 120	100	80 - 120	<5.0	ug/L	NC	20
7055517	Dissolved Cobalt (Co)	2020/11/16	96	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
7055517	Dissolved Copper (Cu)	2020/11/16	97	80 - 120	99	80 - 120	<0.90	ug/L	NC	20
7055517	Dissolved Lead (Pb)	2020/11/16	100	80 - 120	99	80 - 120	<0.50	ug/L	NC	20
7055517	Dissolved Molybdenum (Mo)	2020/11/16	103	80 - 120	98	80 - 120	<0.50	ug/L	NC	20
7055517	Dissolved Nickel (Ni)	2020/11/16	94	80 - 120	96	80 - 120	<1.0	ug/L	NC	20
7055517	Dissolved Selenium (Se)	2020/11/16	100	80 - 120	102	80 - 120	<2.0	ug/L	NC	20
7055517	Dissolved Silver (Ag)	2020/11/16	97	80 - 120	97	80 - 120	<0.090	ug/L	NC	20
7055517	Dissolved Thallium (Tl)	2020/11/16	101	80 - 120	101	80 - 120	<0.050	ug/L	NC	20
7055517	Dissolved Uranium (U)	2020/11/16	102	80 - 120	101	80 - 120	<0.10	ug/L	0.66	20
7055517	Dissolved Vanadium (V)	2020/11/16	95	80 - 120	97	80 - 120	<0.50	ug/L	NC	20
7055517	Dissolved Zinc (Zn)	2020/11/16	97	80 - 120	99	80 - 120	<5.0	ug/L	NC	20
7055919	pH	2020/11/16			102	98 - 103			0.99	N/A
7057658	a-Chlordane	2020/11/17	103	50 - 130	86	50 - 130	<0.005	ug/L	NC	30
7057658	Aldrin	2020/11/17	91	50 - 130	72	50 - 130	<0.005	ug/L	NC	30
7057658	Dieldrin	2020/11/17	126	50 - 130	101	50 - 130	<0.005	ug/L	NC	30
7057658	Endosulfan I (alpha)	2020/11/17	93	50 - 130	69	50 - 130	<0.005	ug/L	NC	30
7057658	Endosulfan II (beta)	2020/11/17	97	50 - 130	78	50 - 130	<0.005	ug/L	NC	30

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
PLANNING
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Feb 26, 2021

BV Labs Job #: C0U0259
Report Date: 2020/11/19

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7057658	Endrin	2020/11/17	117	50 - 130	91	50 - 130	<0.005	ug/L	NC	30
7057658	g-Chlordane	2020/11/17	116	50 - 130	88	50 - 130	<0.005	ug/L	NC	30
7057658	Heptachlor epoxide	2020/11/17	111	50 - 130	93	50 - 130	<0.005	ug/L	NC	30
7057658	Heptachlor	2020/11/17	102	50 - 130	76	50 - 130	<0.005	ug/L	NC	30
7057658	Hexachlorobenzene	2020/11/17	108	50 - 130	85	50 - 130	<0.005	ug/L	NC	30
7057658	Hexachlorobutadiene	2020/11/17	110	50 - 130	79	50 - 130	<0.009	ug/L	NC	30
7057658	Hexachloroethane	2020/11/17	110	50 - 130	72	50 - 130	<0.01	ug/L	NC	30
7057658	Lindane	2020/11/17	122	50 - 130	96	50 - 130	<0.003	ug/L	NC	30
7057658	Methoxychlor	2020/11/17	121	50 - 130	91	50 - 130	<0.01	ug/L	NC	30
7057658	o,p-DDD	2020/11/17	124	50 - 130	95	50 - 130	<0.005	ug/L	NC	30
7057658	o,p-DDE	2020/11/17	120	50 - 130	112	50 - 130	<0.005	ug/L	NC	30
7057658	o,p-DDT	2020/11/17	114	50 - 130	86	50 - 130	<0.005	ug/L	NC	30
7057658	p,p-DDD	2020/11/17	129	50 - 130	96	50 - 130	<0.005	ug/L	NC	30
7057658	p,p-DDE	2020/11/17	112	50 - 130	78	50 - 130	<0.005	ug/L	NC	30
7057658	p,p-DDT	2020/11/17	111	50 - 130	88	50 - 130	<0.005	ug/L	NC	30
7059134	Benzene	2020/11/16	108	50 - 140	109	50 - 140	<0.20	ug/L	NC	30
7059134	Ethylbenzene	2020/11/16	111	50 - 140	108	50 - 140	<0.20	ug/L	NC	30
7059134	F1 (C6-C10) - BTEX	2020/11/16					<25	ug/L		
7059134	F1 (C6-C10)	2020/11/16	90	60 - 140	91	60 - 140	<25	ug/L		
7059134	o-Xylene	2020/11/16	106	50 - 140	105	50 - 140	<0.20	ug/L	NC	30
7059134	p+m-Xylene	2020/11/16	106	50 - 140	104	50 - 140	<0.40	ug/L	NC	30
7059134	Toluene	2020/11/16	103	50 - 140	102	50 - 140	<0.20	ug/L	NC	30
7059134	Total Xylenes	2020/11/16					<0.40	ug/L	NC	30
7059444	F2 (C10-C16 Hydrocarbons)	2020/11/17	93	50 - 130	103	60 - 130	<100	ug/L	NC	30
7059444	F3 (C16-C34 Hydrocarbons)	2020/11/17	100	50 - 130	111	60 - 130	<200	ug/L	NC	30

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BV Labs Job #: C0U0259
Report Date: 2020/11/19

QUALITY ASSURANCE REPORT(CONT'D)

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7059444	F4 (C34-C50 Hydrocarbons)	2020/11/17	98	50 - 130	107	60 - 130	<200	ug/L	NC	30

N/A = Not Applicable

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

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

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

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

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

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

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Client Project #: 48043-100
Sampler Initials: JAK

VALIDATION SIGNATURE PAGE

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

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

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

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CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:		Quotation #:	B90004	BV Labs Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Jeremy Kamutzki, Monique Gyba	P.O. #:			801107
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:		Project:	48043-100	COC #:	Project Manager:
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(905) 746-1481 Fax:	Project Name:		C#801107-01-01	Ronklin Gracian
Email:	accounting@mte85.com	Email:	jkamutzki@mte85.com, mgyba@mte85.com	Site #:			
				Sampled By:	JAK		

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

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

Other Regulations: ☐ CCME ☐ Sanitary Sewer Bylaw ☐ Reg 558. ☐ Storm Sewer Bylaw ☐ MISA Municipality ☐ PWQO ☐ Reg 406 Table ☐ Other

Special Instructions

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

Field Filtered (please circle): Metals / Hg / Cr VI

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

Turnaround Time (TAT) Required:

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	O Reg 153 Metals Scan 1,2,2 and 1,2,3 As, Sb, Se	pH	O Reg 153 OC Pesticides (excluding PCBs)	O Reg 153 PHCs+BTEX	# of Bottles	Comments
1		MW102-20	11-Nov	16:15	GW		X	X	X	X	8	
2		MW106-20	11-Nov	13:10	GW		X	X	X	X	8	
3		MW107-20	11-Nov	15:30	GW		X	X	X	X	8	
4		MW1106-20	11-Nov	13:15	GW		X	X	X		4	
5												
6												
7												
8												
9												
10												

11-Nov-20 17:46
Ronklin Gracian
C0U0259

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
Jeremy Kamutzki / JKamutzki	20/11/11	17:20	Debbie/Preetha Jayanthan	2020/11/11	17:46			15/8/9 ICE	Intact	✓	

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

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

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

TOWN OF CALEDON
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Feb 26, 2021

BV Labs Job #: C0U0259
Report Date: 2020/11/19

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

Exceedance Summary Table – Reg153 Comb. T1SAG & GW

Result Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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TOWN OF CALEDON
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Feb 26, 2021

Your Project #: 48043-100
Your C.O.C. #: 794340-28-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/24
Report #: R6423248
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0U5782
Received: 2020/11/17, 17:15

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	1	N/A	2020/11/24	CAM SOP-00301	EPA 8270D m
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	1	N/A	2020/11/21	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	1	2020/11/19	2020/11/20	CAM SOP-00316	CCME CWS m
Moisture	1	N/A	2020/11/19	CAM SOP-00445	Carter 2nd ed 51.2 m
PAH Compounds in Soil by GC/MS (SIM)	1	2020/11/19	2020/11/21	CAM SOP-00318	EPA 8270D m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by BV Labs, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas Laboratories conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

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TOWN OF CALEDON
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Feb 26, 2021

Your Project #: 48043-100
Your C.O.C. #: 794340-28-01

Attention: Monique Gyba

MTE Consultants Inc
520 Bingemans Centre Dr
Kitchener, ON
CANADA N2B 3X9

Report Date: 2020/11/24
Report #: R6423248
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C0U5782
Received: 2020/11/17, 17:15

Encryption Key

Ronklin Gracian
Project Manager
24 Nov 2020 16:03:23

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ronklin Gracian, Project Manager
Email: Ronklin.Gracian@bvlabs.com
Phone# (905)817-5752

==========

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

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TOWN OF CALEDON
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BV Labs Job #: C0U5782
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

O.REG 153 PAHS (SOIL)

BV Labs ID			OEP056		
Sampling Date			2020/11/17 09:30		
COC Number			794340-28-01		
	UNITS	**Criteria**	**SS3**	**RDL**	**QC Batch**
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/g	0.59	<0.0071	0.0071	7062235
Polyaromatic Hydrocarbons					
Acenaphthene	ug/g	0.072	<0.0050	0.0050	7064729
Acenaphthylene	ug/g	0.093	<0.0050	0.0050	7064729
Anthracene	ug/g	0.16	<0.0050	0.0050	7064729
Benzo(a)anthracene	ug/g	0.36	<0.0050	0.0050	7064729
Benzo(a)pyrene	ug/g	0.3	0.0057	0.0050	7064729
Benzo(b/j)fluoranthene	ug/g	0.47	0.015	0.0050	7064729
Benzo(g,h,i)perylene	ug/g	0.68	0.0067	0.0050	7064729
Benzo(k)fluoranthene	ug/g	0.48	<0.0050	0.0050	7064729
Chrysene	ug/g	2.8	0.0062	0.0050	7064729
Dibenzo(a,h)anthracene	ug/g	0.1	<0.0050	0.0050	7064729
Fluoranthene	ug/g	0.56	0.013	0.0050	7064729
Fluorene	ug/g	0.12	<0.0050	0.0050	7064729
Indeno(1,2,3-cd)pyrene	ug/g	0.23	0.0056	0.0050	7064729
1-Methylnaphthalene	ug/g	0.59	<0.0050	0.0050	7064729
2-Methylnaphthalene	ug/g	0.59	<0.0050	0.0050	7064729
Naphthalene	ug/g	0.09	<0.0050	0.0050	7064729
Phenanthrene	ug/g	0.69	0.0058	0.0050	7064729
Pyrene	ug/g	1	0.010	0.0050	7064729
Surrogate Recovery (%)					
D10-Anthracene	%	-	103		7064729
D14-Terphenyl (FS)	%	-	113		7064729
D8-Acenaphthylene	%	-	98		7064729

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use

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BV Labs Job #: C0U5782
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

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

BV Labs ID			OEP056		
Sampling Date			2020/11/17 09:30		
COC Number			794340-28-01		
	UNITS	**Criteria**	**SS3**	**RDL**	**QC Batch**
Inorganics					
Moisture	%	-	25	1.0	7064739
BTEX & F1 Hydrocarbons					
Benzene	ug/g	0.02	**<0.040 (1)**	0.040	7069591
Toluene	ug/g	0.2	<0.040	0.040	7069591
Ethylbenzene	ug/g	0.05	<0.040	0.040	7069591
o-Xylene	ug/g	-	<0.040	0.040	7069591
p+m-Xylene	ug/g	-	<0.080	0.080	7069591
Total Xylenes	ug/g	0.05	**<0.080 (1)**	0.080	7069591
F1 (C6-C10)	ug/g	25	<20	20	7069591
F1 (C6-C10) - BTEX	ug/g	25	<20	20	7069591
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	10	7066153
F3 (C16-C34 Hydrocarbons)	ug/g	240	<50	50	7066153
F4 (C34-C50 Hydrocarbons)	ug/g	120	<50	50	7066153
Reached Baseline at C50	ug/g	-	Yes		7066153
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	-	97		7069591
4-Bromofluorobenzene	%	-	102		7069591
D10-o-Xylene	%	-	97		7069591
D4-1,2-Dichloroethane	%	-	104		7069591
o-Terphenyl	%	-	76		7066153

No Fill	No Exceedance
Grey	Exceeds 1 criteria policy/level
Black	Exceeds both criteria/levels

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
(1) RDL exceeds criteria

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BV Labs Job #: C0U5782
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

TEST SUMMARY

BV Labs ID: OEP056
Sample ID: SS3
Matrix: Soil

Collected: 2020/11/17
Shipped:
Received: 2020/11/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	7062235	N/A	2020/11/24	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	7069591	N/A	2020/11/21	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	7066153	2020/11/19	2020/11/20	Prabhjot Gulati
Moisture	BAL	7064739	N/A	2020/11/19	Prgya Panchal
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	7064729	2020/11/19	2020/11/21	Mitesh Raj

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

TOWN OF CALEDON
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BV Labs Job #: C0U5782
Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

GENERAL COMMENTS

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

Package 1	5.0°C

Sample OEP056 [SS3] : F1/BTEX Analysis: Detection limits were adjusted for high moisture content and sample weight.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

MTE Consultants Inc
Client Project #: 48043-100
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			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7064729	D10-Anthracene	2020/11/20	100	50 - 130	99	50 - 130	106	%		
7064729	D14-Terphenyl (FS)	2020/11/20	109	50 - 130	109	50 - 130	113	%		
7064729	D8-Acenaphthylene	2020/11/20	89	50 - 130	86	50 - 130	89	%		
7066153	o-Terphenyl	2020/11/20	74	60 - 130	74	60 - 130	81	%		
7069591	1,4-Difluorobenzene	2020/11/21	96	60 - 140	97	60 - 140	97	%		
7069591	4-Bromofluorobenzene	2020/11/21	102	60 - 140	103	60 - 140	102	%		
7069591	D10-o-Xylene	2020/11/21	117	60 - 140	94	60 - 140	90	%		
7069591	D4-1,2-Dichloroethane	2020/11/21	99	60 - 140	97	60 - 140	105	%		
7064729	1-Methylnaphthalene	2020/11/20	87	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
7064729	2-Methylnaphthalene	2020/11/20	86	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
7064729	Acenaphthene	2020/11/20	95	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
7064729	Acenaphthylene	2020/11/20	103	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
7064729	Anthracene	2020/11/20	95	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
7064729	Benzo(a)anthracene	2020/11/20	102	50 - 130	101	50 - 130	<0.0050	ug/g	NC	40
7064729	Benzo(a)pyrene	2020/11/20	99	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
7064729	Benzo(b/j)fluoranthene	2020/11/20	92	50 - 130	104	50 - 130	<0.0050	ug/g	NC	40
7064729	Benzo(g,h,i)perylene	2020/11/20	93	50 - 130	98	50 - 130	<0.0050	ug/g	32	40
7064729	Benzo(k)fluoranthene	2020/11/20	90	50 - 130	100	50 - 130	<0.0050	ug/g	4.8	40
7064729	Chrysene	2020/11/20	94	50 - 130	100	50 - 130	<0.0050	ug/g	35	40
7064729	Dibenzo(a,h)anthracene	2020/11/20	99	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
7064729	Fluoranthene	2020/11/20	99	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
7064729	Fluorene	2020/11/20	99	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
7064729	Indeno(1,2,3-cd)pyrene	2020/11/20	99	50 - 130	101	50 - 130	<0.0050	ug/g	31	40
7064729	Naphthalene	2020/11/20	77	50 - 130	89	50 - 130	<0.0050	ug/g	NC	40
7064729	Phenanthrene	2020/11/20	97	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
7064729	Pyrene	2020/11/20	99	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
7064739	Moisture	2020/11/19							0	20
7066153	F2 (C10-C16 Hydrocarbons)	2020/11/20	83	50 - 130	82	80 - 120	<10	ug/g	NC	30
7066153	F3 (C16-C34 Hydrocarbons)	2020/11/20	95	50 - 130	93	80 - 120	<50	ug/g	NC	30
7066153	F4 (C34-C50 Hydrocarbons)	2020/11/20	94	50 - 130	90	80 - 120	<50	ug/g	NC	30
7069591	Benzene	2020/11/21	115	50 - 140	94	50 - 140	<0.020	ug/g	NC	50

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7069591	Ethylbenzene	2020/11/21	122	50 - 140	100	50 - 140	<0.020	ug/g	NC	50
7069591	F1 (C6-C10) - BTEX	2020/11/21					<10	ug/g	NC	30
7069591	F1 (C6-C10)	2020/11/21	111	60 - 140	90	80 - 120	<10	ug/g	NC	30
7069591	o-Xylene	2020/11/21	119	50 - 140	98	50 - 140	<0.020	ug/g	NC	50
7069591	p+m-Xylene	2020/11/21	119	50 - 140	98	50 - 140	<0.040	ug/g	NC	50
7069591	Toluene	2020/11/21	112	50 - 140	92	50 - 140	<0.020	ug/g	NC	50
7069591	Total Xylenes	2020/11/21					<0.040	ug/g	NC	50

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

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

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

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

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

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

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Report Date: 2020/11/24

MTE Consultants Inc
Client Project #: 48043-100
Sampler Initials: JAK

VALIDATION SIGNATURE PAGE

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

Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

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

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Page of

CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#6868 MTE Consultants Inc	Company Name:		Quotation #:	B90004	BV Labs Job #:	Bottle Order #: 794340
Attention:	Accounts Payable	Attention:	~~Oshin Gharabegian~~ Monique Geyba	P.O. #:			
Address:	520 Bingemans Centre Dr Kitchener ON N2B 3X9	Address:		Project:	48043-100	COC #: C#794340-28-01	Project Manager: Ronklin Gracian
Tel:	(519) 743-6500 Fax: (519) 743-6513	Tel:	(905) 639-2552 Ext: 2430 Fax:	Project Name:			
Email:	accounting@mte85.com	Email:	~~OGharabegian@mte85.com~~ mgeyba@mte85.com	Site #:			
				Sampled By:	JAK		

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

Regulation 153 (2011)	Other Regulations	Special Instructions
[X] Table 1 [X] Res/Park [ ] Medium/Fine	[ ] CCME [ ] Sanitary Sewer Bylaw	
[ ] Table 2 [ ] Ind/Comm [X] Coarse	[ ] Reg 558 [ ] Storm Sewer Bylaw	
[ ] Table 3 [ ] Agri/Other [ ] For RSC	[ ] MISA Municipality	
[ ] Table	[ ] PWQO [ ] Reg 406 Table	
	[ ] Other	

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle) Metals / Hg / Cr VI	~~O.Reg 406 Excess Soil Bulk BTEX/F1-F4~~	~~O.Reg 406 Excess Soil Bulk VOCs~~	~~O.Reg 406 Excess Soil Bulk ICPMS METALS~~	~~Ignitability~~	~~SAR - ICP Metals~~	~~pH, CrVI, EXTRACT~~	~~O.Reg 406 Excess Soil Bulk OCs~~	PAH	PHC/BTEX	# of Bottles	Comments
1		SS3	17-Nov	9:30	Soil									X	X	3	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

17-Nov-20 17:15
Ronklin Gracian
C0U5782
GID ENV-693

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Jeremy Karmiteki / Jkarmiteki	20/11/17	17:10	Joseph Joseph Rosewell	20/11/17	17:15	

Laboratory Use Only: Time Sensitive | Temperature (°C) on Receipt: 5/5/5 | Custody Seal Present / Intact: Yes ✓ No

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

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

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

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

White: BV Labs Yellow: Client

Bureau Veritas Canada (2019) Inc.

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Exceedance Summary Table – Reg153/04 T1-Soil/Res

Detection Limit Exceedances

Sample ID	BV Labs ID	Parameter	Criteria	Result	DL	UNITS
SS3	OEP056-02	Benzene	0.02	<0.040	0.040	ug/g
SS3	OEP056-02	Total Xylenes	0.05	<0.080	0.080	ug/g

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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