



PHASE II ENVIRONMENTAL SITE ASSESSMENT

**SITE: 10, 29, & 35 CANAL DRIVE
SAULT STE. MARIE, ONTARIO**

SIS Group

Attention: Mr. Tony Poro
1231 Peoples Road
Sault Ste. Marie, ON P6C 3W7

December 12, 2023

Project Reference Number: E23013

© 2023 Greenstone Engineering Ltd. | 67 Elgin Street | Sault Ste. Marie, Ontario | P6A 2Y4

The information in this document is the intellectual property of Greenstone Engineering Ltd. and is intended solely for the use by the individual owner of this document. Reproduction of this document for personal use, or for use intended by this document, is permitted provided that property attribution is made to Greenstone Engineering. Ltd. Reproduction of any portion of this document for any other purposes, including but not limited to, use by members of the same firm or for any other purposes, is strictly prohibited.



EXECUTIVE SUMMARY

Greenstone Engineering Ltd. (Greenstone) was commissioned by SIS Group (the "Client") to complete a Phase I Environmental Site Assessment (ESA), as per the Client's request and Greenstone's proposal dated September 26, 2023. This Phase II ESA was conducted for the property located at civic addresses 10, 29 and 35 Canal Drive in Sault Ste. Marie, Ontario (herein referred to as the "Phase II Property"). The Phase II ESA was completed for the Client's internal due diligence associated with the potential acquisition of the property and any associated environmental liabilities.

The Phase II Property was formerly occupied by The Mill Market, which is currently a vacant building previously used for commercial and industrial purposes (surrounded by an area with residential, commercial, and industrial land uses).

The purpose of completing this Phase II ESA was to evaluate the presence of potential contaminants of concern (PCOCs) and characterize areas of potential environmental concern (APECs) related which were identified in the document prepared by Greenstone for the Client, titled "*Phase I Environmental Site Assessment, 10, 29 & 35 Canal Drive, Sault Ste. Marie, Ontario*", dated December 12, 2023 (Phase I ESA). Based on the results of the Phase I ESA, the following APECs were identified:

Number	Potential Contaminating Activity (PCA)	Area of Potential Environmental Concern (APEC)
1	Stockpiled fill material was evident on the Phase I Property in the 1937, 1950 and 1980 aerial photographs. Previous environmental investigations completed at the Phase I Property identified impacted soil which was attributed to poor quality fill material used during site development.	Entire Phase I Property.
2	The adjacent property east of the Phase I Property was historically developed with industrial settling ponds from at least 1975 to 1998.	Eastern portion of the Phase I Property.
3	The adjacent properties north of the Phase I Property were historically developed with industrial operations which included a scrap metal yard, as well as a chromium processing facility from at least 1915 to 1975.	Northern portion of the Phase I Property.
4	The adjacent properties to the west of the Phase I Property were historically developed with industrial operations which included pulp and paper mill and a power generation facility since at least 1915.	Western portion of the Phase I Property.



This Phase II ESA was carried out in general accordance with the Canadian Standards Association (CSA) document entitled “*CSA Z769-00, Phase II Environmental Site Assessment*” dated March 2000 and in accordance with the document developed by the Ministry of Environment, Conservation and Parks (MECP) entitled “*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*”, dated December 1996 (Sampling Document).

Fieldwork associated with investigating the APECs was completed between October 27, 2023, and November 14, 2023, and included the advancement of seventeen test pits and three boreholes, of which ten were instrumented with groundwater monitoring wells. The monitoring wells were completed to accommodate for the collection of groundwater samples and to assist with groundwater characterization. Soil and groundwater samples were submitted for analysis of PCOCs including volatile organic compounds (VOCs), petroleum hydrocarbon (PHC) fractions (F1 to F4), polycyclic aromatic hydrocarbons (PAHs), metals and inorganics, as well as general chemistry parameters.

Greenstone completed a site-specific evaluation to determine the appropriate site condition standards (SCS) as prescribed in the Ministry of Environment, Conservation and Parks (MECP) document entitled “*Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*” dated April 15, 2011. Greenstone’s evaluation of information gathered for the subject property identified that the applicable standards for the site would be the following:

- Table 3 Generic Site Condition Standards for Non-Potable Groundwater Condition (Table 3 SCS) with the appropriate land use classification as “industrial/commercial” with “coarse” textured soil for areas greater than 30 metres (m) from the St. Mary’s River, situated south of the Phase II Property (Table 3 SCS).
- Table 9: Generic Site Condition Standards for Use within 30 m of a Water Body in a Non-Potable Ground Water Condition for all types of Property Use and soil conditions for areas in near 30 m of the St. Mary’s River (Table 9 SCS).

For investigative locations near the 30 metres boundary from the St. Mary’s River, Greenstone compared concentrations of PCOCs to both the Table 3 and 9 SCS. It should be noted that the application of the Table 9 SCS can be limited to areas within 30 m of the St. Mary’s River. Based on the Client’s requirements, Greenstone can further evaluate the application the Table 9 SCS to specific investigative locations based on the seasonal high-water mark of the St. Mary’s River.

Various concentrations of metals, PHC and PAH parameters, as well as EC in soil samples from select test pit and boreholes submitted for laboratory analysis exceed the Table 3 and 9 SCS. Concentration of PCOCs within the groundwater samples submitted for laboratory all met the Table 3 and 9 SCS except for concentrations of PAH parameters in the groundwater sample collected from monitoring well MW17



which exceeded the Table 3 and 9 SCS and the groundwater sample collected from monitoring well MW5 which exhibited a concentration of 1,1-Dichloroethylene which exceeded the Table 3 and 9 SCS.

Based on the information gathered during this assessment, and the review of laboratory analyses of the soil and groundwater samples collected, evidence of concentrations above the applicable Table 3 and Table 9 SCS have been identified at the site. Greenstone recommends the completion of a Due Diligence Risk Assessment to evaluate potential risks to human health and ecological receptors associated with elevated levels of PCOCs present in soil and groundwater at the Phase II Property.



TABLE OF CONTENTS

EXECUTIVE SUMMARY	ii
TABLE OF CONTENTS.....	v
LIST OF FIGURES	vi
LIST OF TABLES	vi
LIST OF APPENDICES	vi
1.0 INTRODUCTION.....	1
1.1 Terms of Reference.....	1
1.2 Background	1
1.3 Scope of Work.....	3
1.4 Deviations and Limitations.....	4
2.0 METHODOLOGY.....	4
2.1 Safety, HEALTH, and Environment.....	4
2.2 Subsurface Utility Locates.....	4
2.3 Subsurface Investigation and Sampling Plan	4
2.4 Sample Collection, Handling and Equipment Decontamination.....	6
2.5 Analytical Testing	7
2.6 Potential Contaminants of Concern.....	7
2.7 Property Specific Standards	7
3.0 SITE CONDITIONS	9
3.1 Site Geology and Topography.....	9
3.2 Monitoring Wells and Hydrogeology	11
3.3 Organic Vapours and Field Observations.....	11
3.4 Sampling Residual	12
4.0 RESULTS OF INVESTIGATION	12
4.1 Soil Analytical Results.....	12
4.2 Groundwater Analytical Results.....	13
4.3 QA/QC Results.....	14
5.0 CONCLUSIONS AND RECOMMENDATIONS.....	14
6.0 CLOSING AND STATEMENT OF QUALIFICATIONS	14
7.0 REFERENCES	15



LIST OF FIGURES

- Figure 1 – Location Map
- Figure 2 – Site Plan
- Figure 3 – Surrounding Land Use Plan
- Figure 4 – Areas of Potential Environmental Concern
- Figure 5 – Borehole, Test Pit and Monitoring Well Location Plan
- Figure 6 – Groundwater Elevation Contour Plan

LIST OF TABLES

- Table 1 – Groundwater Monitoring Data
- Table 2 – Soil Analytical Results
- Table 3 – Groundwater Analytical Results

LIST OF APPENDICES

- Appendix A – Photographs
- Appendix B – Borehole and Test Pit Logs
- Appendix C – Tables
- Appendix D – Laboratory Certificates of Analysis



1.0 INTRODUCTION

1.1 TERMS OF REFERENCE

Greenstone Engineering Ltd. (Greenstone) was commissioned by SIS Group (the “Client”) to complete a Phase I Environmental Site Assessment (ESA), as per the Client’s request and Greenstone’s proposal dated September 26, 2023. This Phase II ESA was conducted for the property located at civic addresses 10, 29 and 35 Canal Drive in Sault Ste. Marie, Ontario (herein referred to as the “Phase II Property”).

The Phase II ESA was completed for the Client’s internal due diligence associated with the potential acquisition of the property and any associated environmental liabilities.

This Phase II ESA was carried out in general accordance with the Canadian Standards Association (CSA) document entitled “*CSA Z769-00, Phase II Environmental Site Assessment*” dated March 2000 and in accordance with the document developed by the Ministry of Environment, Conservation and Parks (MECP) entitled “*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*”, dated December 1996 (Sampling Document).

1.2 BACKGROUND

The purpose of completing this Phase II ESA was to confirm the presence of potential contaminants of concern (PCOCs) related to the site which have been identified to potentially exist. More specifically, the purpose of this Phase II ESA was to assist with characterizing areas of potential environmental concern (APECs) related to the property, as reported in the following document prepared by Greenstone:

- Report dated December 12, 2023, prepared by Greenstone for the Client, entitled “*Phase I Environmental Site Assessment, 10, 29 and 35 Canal Drive, Sault Ste. Marie, Ontario*” (Phase I ESA).

The Phase II Property was formerly occupied by The Mill Market, which is currently a vacant building previously used for commercial and industrial purposes (surrounded by an area with residential, commercial, and industrial land uses).



Based on the results of the Phase I ESA, the following APECs were identified:

Number	Potential Contaminating Activity (PCA)	Area of Potential Environmental Concern (APEC)
1	Stockpiled fill material was evident on the Phase I Property in the 1937, 1950 and 1980 aerial photographs. Previous environmental investigations completed at the Phase I Property identified impacted soil which was attributed to poor quality fill material used during site development.	Entire Phase I Property.
2	The adjacent property east of the Phase I Property was historically developed with industrial settling ponds from at least 1975 to 1998.	Eastern portion of the Phase I Property.
3	The adjacent properties north of the Phase I Property were historically developed with industrial operations which included a scrap metal yard, as well as a chromium processing facility from at least 1915 to 1975.	Northern portion of the Phase I Property.
4	The adjacent properties to the west of the Phase I Property were historically developed with industrial operations which included pulp and paper mill and a power generation facility since at least 1915.	Western portion of the Phase I Property.

Fieldwork associated with investigating the APECs was completed between October 27, 2023, and November 14, 2023, and included the advancement of seventeen test pits and three boreholes, of which ten were instrumented with groundwater monitoring wells. The monitoring wells were completed to accommodate for the collection of groundwater samples and to assist with groundwater characterization. Soil and groundwater samples were submitted for analysis of PCOCs including volatile organic compounds (VOCs), petroleum hydrocarbon (PHC) fractions (F1 to F4), polycyclic aromatic hydrocarbons (PAHs), metals and inorganics, as well as general chemistry parameters.

A map illustrating the location of the subject property is presented in Figure 1. A plan and layout of the site showing the surrounding properties and land uses are provided in Figures 2 and 3. The APECs and positioning of the boreholes, test pit and monitoring well locations are shown in Figures 4 and 5, respectively. Select photographs of the site and the field work conducted are presented in Appendix A.



1.3 SCOPE OF WORK

The scope of work associated with this Phase II ESA is as follows:

- Review the previous information for the site and determine the PCOCs and APECs.
- Develop an Emergency, Health, and Safety Plan (EHSP) prior to commencing field activities.
- Develop a site-specific sampling plan to accurately document the environmental conditions on site (i.e., soil sampling depths and intervals, use of soil vapour headspace screening equipment, equipment decontamination procedures for drilling and sampling equipment, etc.).
- Arrange and obtain underground service locates prior to advancing test pits and boreholes.
- Arrange with an excavation and drilling subcontractor for the use and operation of excavating and drilling equipment.
- Provide on-site direction and supervision for the advancement of test pits, boreholes as well as the installation of monitoring wells.
- Complete site sensitivity characterization of the property including potable supply, land use, pH, soil texture, natural environment sensitivity, etc., to confirm the applicable standards identified in the MECP document entitled *"Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act"*, dated April 15, 2011 (MECP Standards).
- Field screening of all recovered soil samples for the existence of environmental impact (i.e., free product, hydrocarbon odours, combustible organic vapour (COV) readings, etc.) as well as the visual presence of fill materials.
- Carry out all aspects of field sampling in accordance with the MECP Sampling Document.
- Develop and sample the groundwater monitoring wells using dedicated inertial footvalves and sample tubing, and complete field measurements of static water elevations for depth of groundwater and the presence of any non-aqueous phase liquids (NAPL). All sampling activities will be completed by general low flow methods using a peristaltic pump and dedicated Waterra tubing.
- Submit select soil samples from each test pit and borehole, and groundwater samples from each monitoring well, for analysis to an accredited laboratory for the PCOCs relating to the APECs.
- Complete an elevation survey of all monitoring well casings to correlate groundwater depths for the purpose of establishing groundwater elevations.
- Develop and implement a quality assurance and quality control (QA/QC) plan throughout the duration of the project.
- Provide a report which summarizes all field work completed and the approach taken to complete the field work, findings, conclusions, and an evaluation of the data gathered, inclusive of test pit logs, borehole logs, laboratory analytical reports, data interpretation tables, site photographs, detailed site sketches and recommendations for additional studies, environmental management, or remedial activities (if required).



1.4 DEVIATIONS AND LIMITATIONS

The scope of this assessment was limited to the PCOCs, and APECs identified above in Section 1.2 and does not constitute an exhaustive investigation of the site for potentially unknown contaminants and/or other unknown sources of environmental impact. There were no deviations from the Phase II ESA scope of work; however, Greenstone notes that due to the variability of fill material encountered during the investigation, Greenstone advanced seven test pits in place of the proposed boreholes to gain a better understanding of subsurface condition and increase the volume of soil retrieved from investigative locations.

2.0 METHODOLOGY

2.1 SAFETY, HEALTH, AND ENVIRONMENT

Prior to commencing the field component of this Phase II ESA, Greenstone developed an EHSP and reviewed with the drilling subcontractor all safety, health, and environmental concerns relevant to the site, as well as the tasks involved with completing the field work that would identify any hazards to the workers, the public and / or the environment. At the time the field activities took place, no health, safety, or environmental concerns were identified that would pose unsafe or hazardous working conditions. Safe work practices were implemented throughout the entirety of the project, and no injuries or impairment to the environment were reported.

2.2 SUBSURFACE UTILITY LOCATES

Prior to completing the borehole subsurface investigation, Greenstone contacted all relevant service providers and requested locates to be completed to identify all public overhead and underground utilities. All locates were completed prior to the field work commencing. Greenstone also inspected the site and reviewed with the drilling subcontractor the locations of potential underground private utility lines that may have been on site.

2.3 SUBSURFACE INVESTIGATION AND SAMPLING PLAN

The subsurface investigation was completed to assess the environmental condition of the soil and groundwater at the site in the identified APECs. Representative soil samples were obtained through the completion of a subsurface investigation and sampling program that included the excavation of test pits and sampling directly from the excavator bucket, as well as the drilling of boreholes, and sampling directly from dedicated sample liners. The site's geological conditions were established based on visual observations of the soil samples collected as part of the field program. Soil quality information was obtained from visual and olfactory observations, field screening methods and laboratory analytical data.



A total of seventeen test pits (TP1 to TP17) and three boreholes (BH18 to BH20) were advanced across at the Phase II Property within the APECs. Nine of the test pits and three of the boreholes were instrumented with monitoring wells (TP1, TP3, TP5, TP7, TP8, TP11, TP13, TP15, TP17, BH18 and BH19) for the purpose of obtaining information about the shallow unconfined groundwater aquifer. The test pit, borehole and monitoring well locations were chosen to provide coverage of the APECs relating to the site and were intended to intersect potential soil and groundwater contamination and to determine the site's geological and hydrogeological characteristics.

The fieldwork for the Phase II ESA was completed on October 27, October 31, and November 1, 2023, by Lajoie Brothers Contracting Ltd. (Lajoie). Lajoie utilized a tracked excavator to advance the test pits, and a track mounted Geoprobe 6610 DT direct push drill rig equipped with a dual tube DT325 and macro-core (MC5) continuous soil sampling system for the boreholes. Discrete soil samples were collected from the soil horizons encountered throughout the test pits and boreholes for field screening and characterization purposes. All borehole samples were collected from single use dedicated PVC liners.

The sampling plan developed was based on generally accepted professional practices and is in accordance with the MECP Sampling Document. A combination of systematic sampling and judgmental sampling methods were employed. Soil samples were collected systematically at the full depth of each test pit and borehole continuously at a regular specified interval until the maximum target depth of investigation was met or refusal occurred. Each sample was field screened for evidence of contaminants. Based on field screening results, judgmental analysis was completed to identify worst case areas or areas where the highest potential for contamination was evident (i.e., capillary fringe, visual fill deposits, staining, highest COV measurement, etc.). Up to two soil samples collected from the worst-case areas of each borehole or test pit were selected for laboratory analysis of the PCOCs.

Monitoring wells were installed in the investigation locations identified as TP1, TP3, TP5, TP7, TP8, TP11, TP13, TP15, TP17, BH18 and BH19. The monitoring wells were installed at depths ranging from 3.5 to 4.3 mbg. Each monitoring well was constructed using virgin grade schedule 40 PVC screen and riser and were cased using a protective flush mounted road box monument. All monitoring wells were installed in accordance with Ontario Regulation 903 "*Ontario Water Resources Act – Wells*" (O. Reg. 903). Upon completion of the monitoring well installations, Lajoie completed and filed with the MECP a water well record for the monitoring wells.

The screened intervals of the monitoring wells were installed with the intention of intersecting the unconfined groundwater table to assess for the presence of any light free-phase liquids (i.e., NAPL). Specific groundwater well installation and development, monitoring and sampling standard operating procedures were implemented during this phase of the investigation to minimize the introduction of sediment or surface waters into the well structure, and to ensure representative groundwater data was collected (i.e., purge volume removal, dedicated tubing, sample intake depth, etc.).



All components of the field investigation were completed under the supervision of one of Greenstone's experienced environmental field technicians. Details of test pits and boreholes, including well details, sample locations, stratigraphy and environmental characteristics observed are provided on borehole and test pit logs in Appendix B and are discussed further in Section 3.0.

2.4 SAMPLE COLLECTION, HANDLING AND EQUIPMENT DECONTAMINATION

Greenstone's sample collection, handling and equipment decontamination procedures are consistent with generally accepted professional practices and are in accordance with the MECP Sampling Document. The procedures carried out during the Phase II ESA were consistent throughout the entirety of the project.

Continuous soil sampling was conducted using either the excavator bucket during test pitting, or by direct push methods which included pushing a 1.2 m (4 foot) soil probe rod with an inner diameter of 5.7 centimeter (2.25 inches) into the subsurface soil. The soil probe rod was instrumented with a dedicated single-use clear PVC liner to retrieve soil samples. Samples collected from the excavator bucket were collected from areas not in contact with the bucket or teeth to minimize potential for cross-contamination. During the drilling activities and upon retrieval of each core sleeve, routine decontamination procedures were applied to prevent cross-contamination from each sampling location. In addition, precautions were taken to not disturb the open excavations or boreholes to prevent soil mixing/cave while advancing for the next continuous spoon or soil horizon. Soil samples collected from the test pits and boreholes were immediately jarred in laboratory prepared containers. The remaining sample was collected within Ziploc bags for field screening measurements.

Soil sample collection for VOC-related parameters were completed using core samplers with pre-weighted methanol preservative in vials provided by the laboratory, as well as Teflon lined lidded jars within minimal soil headspace packing field procedures. The samples that were jarred for laboratory testing were immediately labeled and placed into a cooler with ice prior to transport to the laboratory to minimize the volatilization of VOC-related parameters. All samples were shipped to the laboratory immediately after sampling under chain of custody and seal.

Monitoring well locations identified to have worst case impacts were chosen for the location of a monitoring well; as well, monitoring wells were installed at locations across the site to provide information with respect to groundwater flow direction.

All dedicated sampling equipment which contacts soil or groundwater directly (i.e., spoons, knives, interface probe, etc.) were thoroughly cleaned between sampling sites and monitoring wells. Cleaning procedures included the use of distilled water, Alconox and the use of protective nitrile gloves during all sampling, handling, and decontamination activities.



2.5 ANALYTICAL TESTING

Since the results of contaminant analyses are to be compared to the MECP Standards, it is essential that well documented, validated and consistently applied analytical methods are utilized and that appropriate QA/QC procedures be carried out. The samples collected from the site were submitted to Eurofins Environment Testing Canada Inc. (Eurofins) in Ottawa, Ontario, which is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) in accordance with the "*International Standards ISO/IEC 17025 – General Requirement for the Competence of Testing and Calibration Laboratories*", dated December 15, 1999. All contaminants were tested for using the analytical methods prescribed in the "*Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*", dated July 1, 2011. Eurofins analyzed all samples using method detection limits at or below the applicable criteria used for comparison in this Phase II ESA.

2.6 POTENTIAL CONTAMINANTS OF CONCERN

Based on Greenstone's review of available information for the site, the following PCOC groups have been identified to be related to the APECs. All samples collected from the APECs were analyzed for these COPC groups.

Number	APEC	COPCs
1	Throughout the Phase I Property.	VOCs, PAHs, PHCs, Metals, Inorganics and General Chemistry Parameters.
2, 3 and 4	North, east and west property boundaries.	VOCs, PAHs, PHCs, Metals, Inorganics and General Chemistry Parameters.

PHCs: Petroleum Hydrocarbon Fractionations F1 through F4

PAHs: Polycyclic Aromatic Hydrocarbons

VOCs: Volatile Organic Compounds

2.7 PROPERTY SPECIFIC STANDARDS

To establish the applicable generic site condition standards (SCS) for the subject site, sections 34 through 43 of Ontario Regulation 153/04 "*Records of Site Condition - Part XV.1 of the Act*" (O. Reg. 153/04) were utilized to classify the site's generic effects-based standards. The SCS are listed in the supporting MECP Standards.

Under the regulation, a sensitive site evaluation, classification of land use, classification of groundwater potability (potable vs. non-potable) and determination of full depth vs. stratified options, were required to be reviewed to derive the applicable SCS. The following site-specific details were considered in the selection of the applicable SCS:



- Bedrock outcrops were not observed on-site or on adjacent properties and bedrock refusal was not encountered within any of the boreholes advanced on-site. Based on this information, it is Greenstone's opinion that approximately two-thirds or more of the soil across the subject property is equal to or greater than 2 m in depth beneath the soil surface and therefore would not be considered a "shallow soil property", as defined by O. Reg. 153/04.
- The subject property is located within 30 to 45 meters (m) of the St. Mary's River, additional details regarding Areas of Natural Significance and Species evaluated for this project are detailed in Section 3.2.
- The site is not adjacent to a water body; however, portion of the site are within 30 m of the St. Mary's River located south of the site.
- The present and future use of the site is "commercial".
- The stratified approach is not applicable for this assessment.
- The site and surrounding properties are municipally serviced with potable water. Potable water is municipally supplied by the City of Sault Ste. Marie via an underground water main Bay Street and Canal Dive. No potable drinking water wells exist on the Phase II Property and the site is not located within a groundwater protection area.
- All soil samples were collected and submitted for laboratory analysis of pH to aid in classifying the site with respect to O. Reg. 153/04. The pH values ranged from 5.08 to 8.9, respectively. In accordance with O. Reg. 153/04, these soil samples are within the acceptable pH range of 5.0 to 9.0 for surface soil and 5.0 to 11.0 for subsurface soil.
- Seven soil samples of what appeared to be "native" soil material (or the predominant fill) were collected and submitted for grain size analysis (75 µm sieve) to aid in classifying the site with respect to O. Reg. 153/04. The samples were collected from test pits TP2-7, TP4-5, TP8-2, TP9-7, TP14-2, TP16-6, and TP17-3 at depths ranging from 0.6 to 3.7 mbg. Four of the seven samples were classified as "medium/fine". In accordance with O. Reg. 153/04, greater than two-thirds of the site needs to consist of a medium and fined grained matrix to be classified as "medium/fine". Greenstone classified the site as "coarse" textured based on field observations made during the investigation.

Greenstone's evaluation of information gathered for the subject property identified that the applicable standards for the site would be the following:

- Table 3 Generic Site Condition Standards for Non-Potable Groundwater Condition (Table 3 SCS) with the appropriate land use classification as "industrial/commercial" with "coarse" textured soil for areas greater than 30 m from the St. Mary's River, situated south of the Phase II Property (Table 3 SCS).
- Table 9: Generic Site Condition Standards for Use within 30 m of a Water Body in a Non-Potable Ground Water Condition for all types of Property Use and soil conditions for areas within 30 m of the St. Mary's River (Table 9 SCS).



For investigative locations near the 30 m boundary from the St. Mary's River, Greenstone compared concentrations of PCOCs to both the Table 3 and 9 SCS. It should be noted that the application of the Table 9 SCS can be limited to areas within 30 m of the St. Mary's River. Based on the Client's requirements, Greenstone can further evaluate the application the Table 9 SCS to specific investigative locations based on the seasonal high-water mark of the St. Mary's River.

3.0 SITE CONDITIONS

3.1 SITE GEOLOGY AND TOPOGRAPHY

The topography of the Phase II Property is generally flat; however, the surrounding area gradually slopes southerly towards the St. Mary's River.

Imported fill material was encountered within each of the test pits and boreholes ranging in depth from surface to a maximum depth of 4.9 mbg found at test pit TP10. The imported fill material generally consisted of brown and grey coarse sand and gravel. The fill material appeared to consist of black silt material, as well as debris (i.e., concrete, debris, and cinders). Native surficial soil material underlying the fill generally consisted of silt with some minor quantities of clay to the maximum depth of the investigation of 4.9 mbg (final termination of select test pits). Moist to wet soil conditions were generally observed at a depth of approximately 1.8 to 4.9 mbg. Details of the soil descriptions and observations from the sample locations are provided in the test pit and borehole logs in Appendix C.

3.2 AREAS OF NATURAL SIGNIFICANCE AND SPECIES AT RISK

Areas of Natural Significance are defined in Ontario Regulation 153/04 as any of the following:

1. An area reserved or set apart as a provincial park or conservation reserve under the Provincial Parks and Conservation Reserves Act, 2006.
2. An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources and Forestry (MNRF) as having provincial significance.
3. A wetland identified by the MNRF as having provincial significance.
4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act.



6. An area identified by the MNRF as significant habitat of a threatened or endangered species.
7. An area which is habitat of a species that is classified under section 7 of the Endangered Species Act, 2007 as a threatened or endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies.
9. An area set apart as a wilderness area under the Wilderness Areas Act.

Greenstone retained ERIS to identify Areas of Natural & Scientific Interest (ANSIs) within the Phase I ESA Study Area (Order No. 23101200516, hereafter referred to as the 2023 ERIS ANSI Plan). No ANSIs were identified in the search completed by ERIS which has been included with the ERIS Report in Greenstone's Phase I ESA.

Greenstone completed a supplemental database review which identified the following:

- The portion of St. Mary's River located south of the Phase I Property was identified by the MNRF as habitat for the threatened Lake Sturgeon. The St. Mary's River was also identified as a Natural Area by the Ontario Natural Heritage Information Centre (ONHIC). The St. Mary's River is located approximately 20 m south of the Phase II Property. No information reporting Lake Sturgeon species occurrences within the St. Mary's River was available for Greenstone's review at the MECP Species at Risk website.
- The Phase II Property and Study Area was identified by the MNRF as potential habitat for the threatened Eastern Meadowlark, a ground nesting grasslands bird species. It is Greenstone's understanding that vegetation on the Phase II Property is regularly maintained and does not provide suitable habitat for the Eastern Meadowlark. Furthermore, vegetation on properties within 30 m of the Phase II Property are also maintained and would not represent suitable habitat for the Eastern Meadowlark except for the adjacent property east of the Phase II Property. During Greenstone's inspection, vegetation on the property within 30 m east of the Phase II Property was not maintained; however, grass growth was sporadic. Greenstone did not evaluate the potential for this property to represent suitable habitat for the Eastern Meadowlark. Greenstone reviewed the plan titled "*Eastern Meadowlark in Ontario, as recorded by the Ontario Natural Heritage Information as of May 24, 2013*", prepared by the ONHIC and dated 2013 (2013 OHNIC Plan), which did not identify a documented species occurrence within the City of Sault Ste. Marie.

Based on the information above, as well as the fact that this Phase II ESA has been completed for due diligence purposes, Greenstone did not identify the presence of Lake Sturgeon and Eastern Meadowlarks habitat and classification of the St. Mary's River as a Natural Area as Areas of Natural



Significance. Future development at the Phase II Property to a more sensitive land use (i.e., commercial to residential) would require the completion of a Record of Site Condition and may consider the areas noted above to be an ANSI and/or require an assessment for the species at risk. Should the potential habitats be considered ANSIs, the MECP Site Condition Standards Greenstone has applied to the Phase II Property may have to be revised, potentially altering the findings and recommendations of this report.

3.3 MONITORING WELLS AND HYDROGEOLOGY

Monitoring wells were installed at eleven investigatory locations advanced at the site (TP1, TP3, TP5, TP7, TP8, TP11, TP13, TP15, TP17, BH18 and BH19). The monitoring wells were installed at depths ranging between 3.5 and 4.3 mbg. The construction details of the monitoring wells are described in the test pit and borehole logs (Appendix B).

The monitoring wells were developed and sampled between November 3 and 7, 2023. During investigative activities the depth to groundwater was measured by Greenstone. The static depth to groundwater across the site ranged from 1.57 mbg (MW19) to 3.26 mbg (MW7). There was no free-phase liquid PHC (i.e., NAPL) measured within any of the monitoring wells. The groundwater monitoring data is presented in Table 1 in Appendix C.

Greenstone utilized a rod and level to survey the top of the riser and the ground surface of each monitoring well. Groundwater depths measured on November 3, 2023, were then utilized to calculate the direction of groundwater flow at the Phase II Property. As such, Greenstone calculated groundwater flow at the Phase II Property to be towards the southeast.

The groundwater monitoring wells were developed and purged during each inspection, by removing between three (3) and five (5) well volumes, or until the monitoring well was purged dry two (2) times using dedicated high-density polyethylene (HDPE) tubing and an inertial pump system. The monitoring wells were re-purged, and the groundwater samples were collected on November 13 and 14, 2023, for laboratory analysis using the dedicated tubing and a low flow peristaltic pump system.

3.4 ORGANIC VAPOURS AND FIELD OBSERVATIONS

The following field observations regarding the environmental condition of the samples collected are noted below:

- Except for soil samples collected from test pit TP5, which exhibited PHC odours in soil samples collected at depths of 2.5 to 3.6 mbg, no PHC odours or staining were observed within any of the boreholes advanced at the Phase II Property.
- COV headspace readings with the hydrocarbon vapour monitor ranged from 0 parts per million (ppm) to 230 ppm (highest reading was observed at borehole sample location BH20-4).



- COV headspace readings with the VOC vapour monitor ranged from 0 parts per million (ppm) to 27 ppm (highest reading was observed at test pit sample location TP15-3).
- No LNAPL or evidence of sheen was observed.
- No measurable free-phase liquid PHC (i.e., NAPL) was observed in the monitoring wells and no PHC odours or sheen was observed from the groundwater extracted from any of the monitoring wells.
- Yellow, brown, and white colours within groundwater samples collected from monitoring wells MW5, MW18 and MW19 were observed during the monitoring event, as well as a sulfurous odour from monitoring well MW11 and suspended sediment in monitoring well MW19.
- Black silt and cinder fill material was noted in boreholes and test pits advanced throughout the Phase II Property at various depths.

3.5 SAMPLING RESIDUAL

During test pit and borehole drilling activities, residual soil cuttings and samples extracted during the test pit excavation and borehole drilling program were bagged and returned to Greenstone for storage and disposal. All purge water was deposited at surface in areas downgradient of monitoring locations and any residual wash water was disposed of in accordance with the municipal sewer use by-law.

4.0 RESULTS OF INVESTIGATION

4.1 SOIL ANALYTICAL RESULTS

A total of twenty-eight soil samples were collected from the investigation locations and submitted for laboratory analysis to assess the soil conditions of the site with respect to the APECs. Of the twenty-eight total samples, all were submitted for pH and seven were submitted grain size analysis, as discussed in Section 2.7 above.

All soil samples collected and submitted for laboratory analysis met the applicable Table 3 and 9 SCS for all PCOCs, with the exception of the following:

- The soil sample collected from test pit TP1 (TP1-4) at a depth of 1.8 to 2.4 mbg, exceeded the Table 3 SCS for metal and PAH parameters.
- The soil sample collected from test pit TP2 (TP1-4) at a depth of 1.8 to 2.4 mbg, exceeded the Table 3 SCS for metal parameters.
- The soil sample collected from test pit TP3 (TP3-5) at a depth of 2.4 to 3.1 mbg, exceeded the Table 3 SCS for hot water-soluble boron.



- The soil samples collected from test pit TP7 (TP7-2 and TP7-6) at a depth of 0.6 to 1.2 mbg, exceeded the Table 3 SCS for metal parameters.
- The soil sample collected from test pit TP9 (TP9-1) at a depth of 0.0 to 0.6 mbg, exceeded the Table 3 SCS for hot water-soluble boron.
- The soil sample collected from test pit TP10 (TP10-2) at a depth of 0.6 to 1.2 mbg, exceeded the Table 3 SCS for arsenic and hot water-soluble boron.
- The soil sample collected from test pit TP11 (TP11-5) at a depth of 2.4 to 3.1 mbg, exceeded the Table 3 SCS for arsenic and copper.
- The soil sample collected from test pit TP12 (TP12-1 at a depth of 0.0 to 0.6 mbg, exceeded the Table 9 SCS for total chromium.
- The soil sample collected from test pit TP14 (TP14-7) at a depth of 3.1 to 3.7 mbg, exceeded the Table 3 and/or 9 SCS for metal parameters, naphthalene, PHC (F3) and EC.
- The soil sample collected from test pit TP15 (TP15-3) at a depth of 1.2 to 1.8 mbg, exceeded the Table 3 and/or 9 SCS for metal parameters and PHC (F3).
- The soil sample collected from test pit TP16 (TP16-3) at a depth of 1.2 to 1.8 mbg, exceeded the Table 3 and/or 9 SCS for metal parameters, PHCs (F3 and F4) and EC.
- The soil sample collected from borehole BH20 (BH20-4) at a depth of 1.8 to 2.4 mbg, exceeded the Table 3 SCS for arsenic.

Analytical results of soil sample compared to the Table 3 and 9 SCS are summarized in Table 2 in Appendix C. Certificates of Analysis for the soil samples provided by Eurofins are provided in Appendix D.

4.2 GROUNDWATER ANALYTICAL RESULTS

A total of eleven groundwater samples were collected from the monitoring wells on November 13 and 14, 2023, and submitted for laboratory analysis to assess the groundwater conditions of the site with respect to the APECs.

Concentration of PCOCs in groundwater samples submitted for laboratory all met the Table 3 and 9 SCS except for concentrations of PAH parameters in the groundwater sample collected from monitoring well MW17 which exceeded the Table 3 and 9 SCS and the groundwater sample collected form monitoring well MW5 which exhibited a concentration of 1,1-Dichloroethylene which exceeded the Table 3 and 9



E23013
December 12, 2023

SCS. Analytical results of groundwater samples compared to the Table 3 and 3 SCS are summarized in Table 3 in Appendix C. Certificates of Analysis for the groundwater samples provided by Eurofins are provided in Appendix D.

4.3 QA/QC RESULTS

Based on a review of the laboratory analytical and field data, no QA/QC issues were identified with the respective sampling and lab analysis that would have a substantial effect on the conclusions presented in this report. All standard operating procedures for field sampling, sample collection, handling, preservation, and transportation were adhered to during the field investigation. In addition, all field equipment performed as per the manufacturers specifications with calibrations completed for verification purposes.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information gathered during this assessment, and the review of laboratory analyses of the soil and groundwater samples collected, evidence of concentrations above the applicable Table 3 and Table 9 SCS have been identified at the site. Greenstone recommends the completion of a Due Diligence Risk Assessment (DDRA) to evaluate potential risks to human health and ecological receptors associated with elevated levels of PCOCs present in soil and groundwater at the Phase II Property.

6.0 CLOSING AND STATEMENT OF QUALIFICATIONS

This Phase II ESA was completed in substantial accordance with the CSA document entitled “*CSA Z769-00, Phase II Environmental Site Assessment*” dated March 2000. The Phase II ESA was completed by and under the supervision of a Qualified Person (Mr. Donald Cavan) of Greenstone Engineering Ltd.

To discuss any aspect of this work, please contact the undersigned at the coordinates below.

Sincerely yours,

A handwritten signature in black ink, appearing to read "CT".

Christian Tenaglia, M.Env.Sc., P.Eng., QP_{ESA}
President
chris@greenstoneengineering.ca
705-971-1563

A handwritten signature in black ink, appearing to read "DC".

Donald Cavan, M.Env.Sc., P.Geo. QP_{ESA}
General Manager
dongreenstoneengineering.ca
705-989-2662



7.0 REFERENCES

- Association of Professional Geoscientists of Ontario document entitled "*Guidance for Environmental Site Assessments under Ontario Regulation 153/04 (as amended)*" dated April 2011.
- CSA document entitled "*Z769-00, Phase II Environmental Site Assessment*" dated March 2000.
- Freeze and Cherry "*Groundwater*", dated 1979.
- Google Earth, Microsoft.
- Greenstone document entitled "*Phase I Environmental Site Assessment, 10, 29 & 35 Canal Drive, Sault Ste. Marie, Ontario*" dated December 12, 2023.
- MECP Source Water Protection Atlas:
(<https://www.lrcapplications.lrc.gov.on.ca/SourceWaterProtection/index.html?viewer=SourceWaterProtection.SWPViewer&locale=en-CA>).
- MECP Well Records Map: (<https://www.ontario.ca/page/map-well-records>).
- MECP Access Environment: (Ontario Map Viewer (gov.on.ca)).
- MECP "*Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Act (made under the Environmental Protection Act)*", (as amended).
- MECP document entitled "*Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario*" dated December 1996.
- MECP document entitled "*Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04*" dated June 2011.
- MECP document entitled "*Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act*" dated July 1, 2011.
- MECP document entitled "*Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act*" dated July 1, 2011.
- MECP Species at Risk in Ontario Website (<https://www.ontario.ca/page/species-risk-ontario>)
- MECP Species at Risk in Ontario Lake Sturgeon (Species at Risk) Website
(<https://www.ontario.ca/page/lake-sturgeon-species-risk>)
- Ontario Natural Heritage Information Centre plan entitled "*Eastern Meadowlark in Ontario, as recorded by the Ontario Natural Heritage Information as of May 24, 2013*" dated 2013.
- Professional Engineers of Ontario document entitled "*Environmental Site Assessment, Remediation and Management Guideline*" dated July 2020.



E23013
December 12, 2023

FIGURES



FIGURE 1: LOCATION MAP



Address: 10, 29 and 35 Canal Road, Sault Ste. Marie, Ontario

Approximate Scale: 1 : 200,000

Project Number: E23013

Date: December 2023

Report Name: Phase II ESA

Client: SIS Group



FIGURE 2: SITE PLAN



Address: 10, 29 and 35 Canal Road, Sault Ste. Marie, Ontario

Approximate Scale: 1 : 1,700

Project Number: E23013

Date: December 2023

Report Name: Phase II ESA

Client: SIS Group



FIGURE 3: SURROUNDING LAND USE PLAN



FIGURE 4: AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

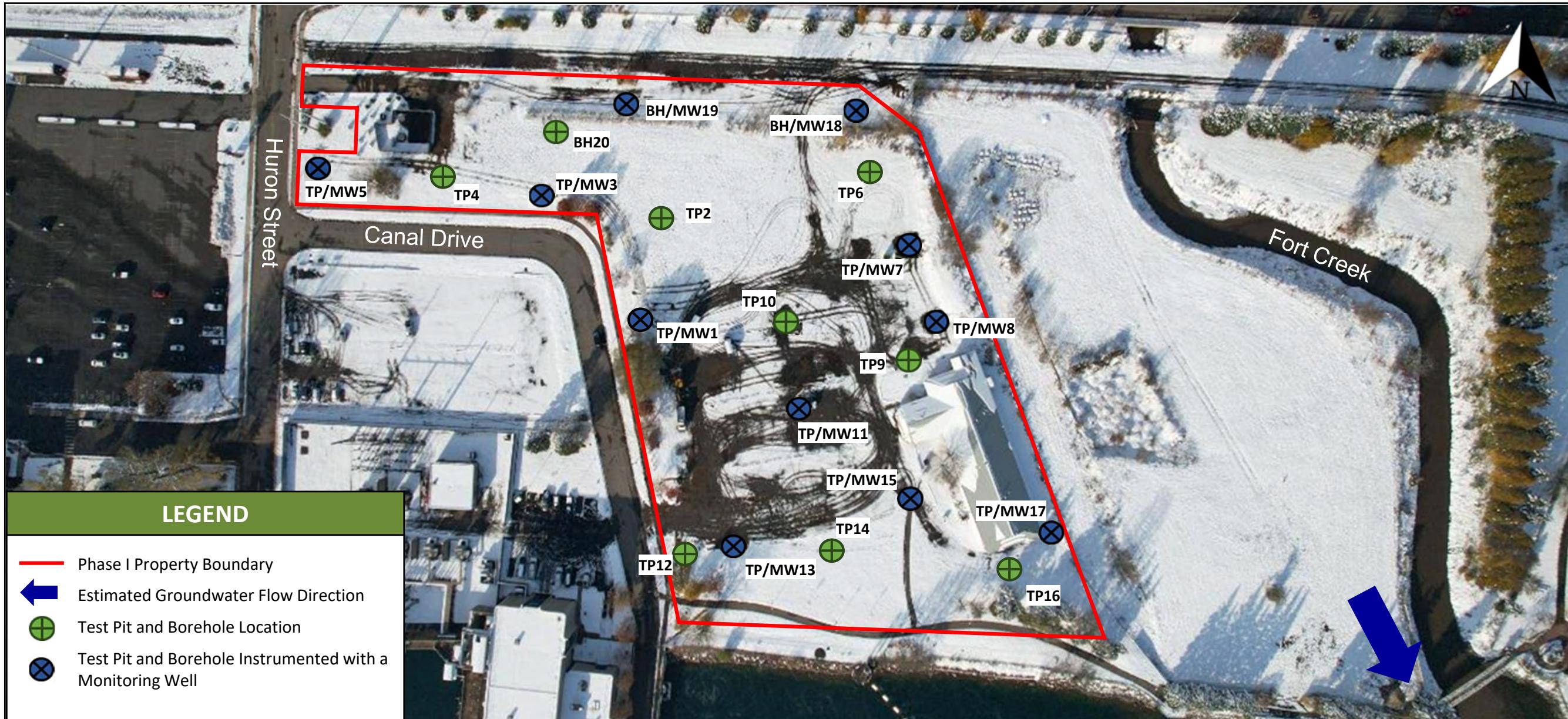


FIGURE 5: BOREHOLE, TEST PIT AND MONITORING WELL LOCATION PLAN



FIGURE 6: GROUNDWATER ELEVATION CONTOUR PLAN



E23013
December 12, 2023

APPENDIX A - SITE PHOTOGRAPHS



E23013
December 12, 2023



Photograph 1: View of test pit TP1



Photograph 2: View of cinder fill material collected during the investigation.



E23013
December 12, 2023



Photograph 3: View of test pit TP8.



Photograph 4: View of test pit TP15.



E23013
December 12, 2023

APPENDIX B – BOREHOLE AND TEST PIT LOGS



TEST PIT LOG - TP/MW1

(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/27/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : A. Duchesne

Zone : 16T
Easting : 703517 m
Northing : 5154807 m

○ HVM (ppm)
△ PID (ppm)

0 25 50

Sample Collection

- ☒ Field Screened
■ Sample Submitted for Lab Analysis

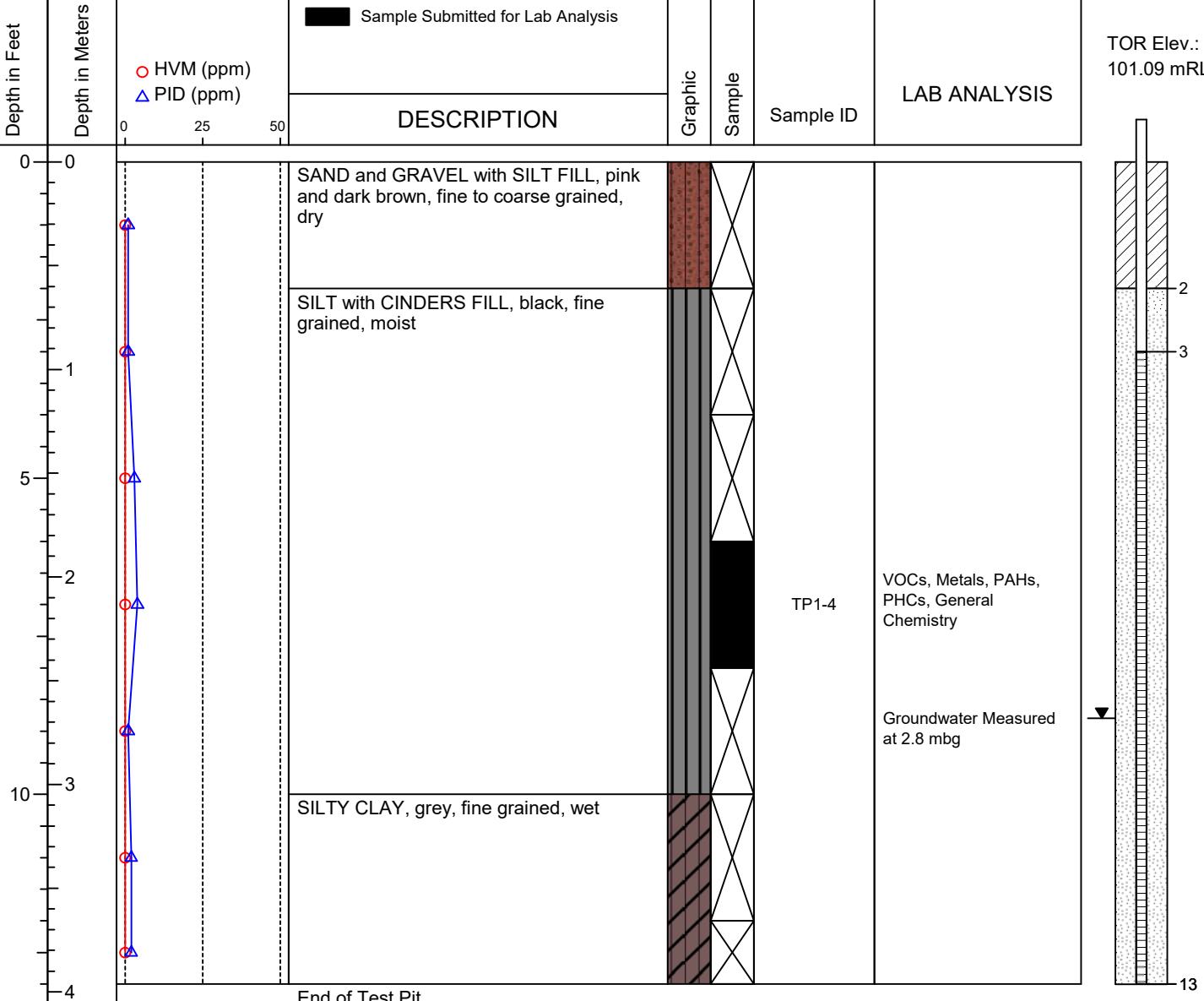
DESCRIPTION

Graphic

Sample

Sample ID

LAB ANALYSIS

TOR Elev.:
101.09 mRL

13



TEST PIT LOG - TP2

(Page 1 of 1)

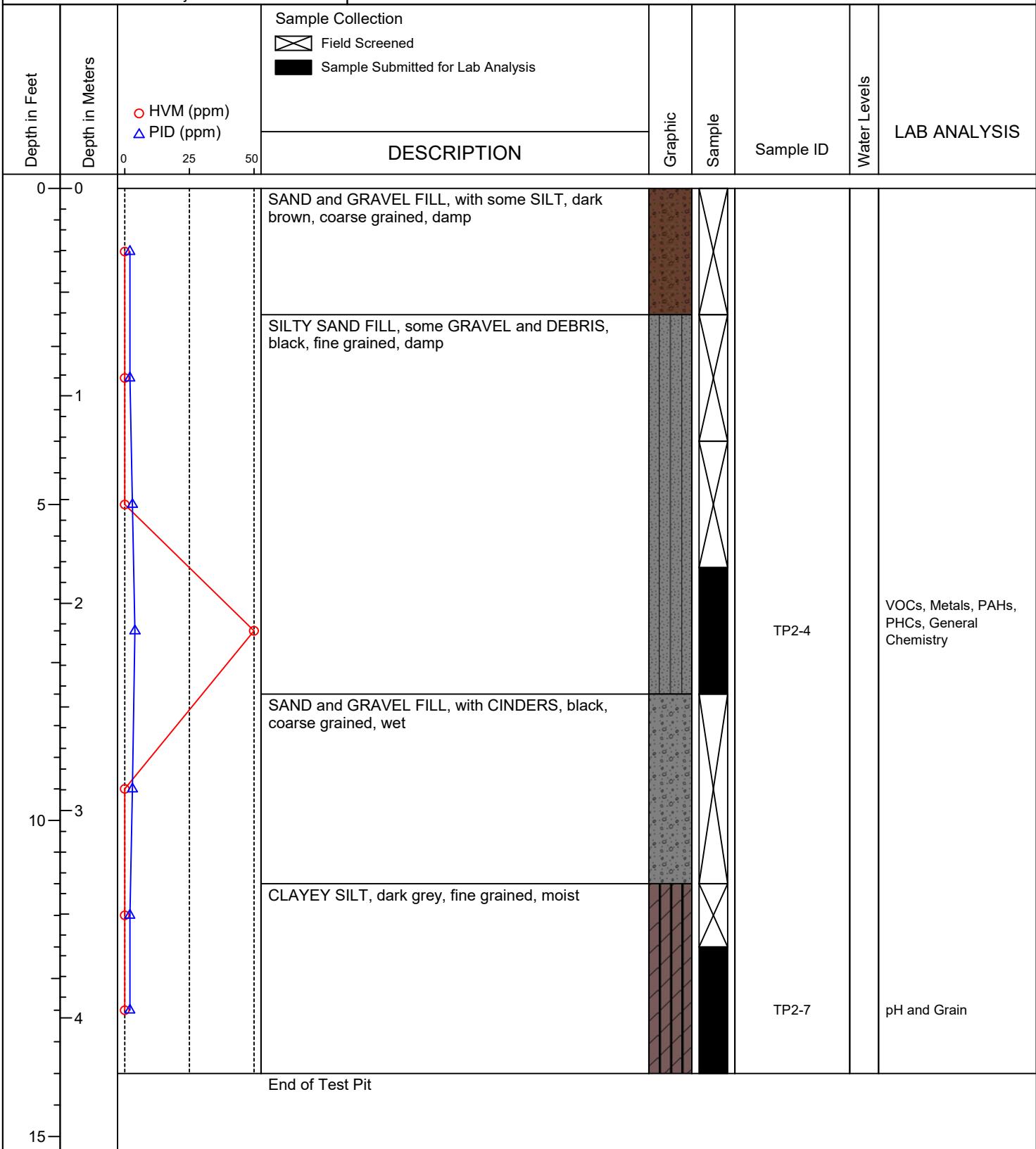
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/27/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Construction Ltd.
Sampling Method : Continuous Grab Samples
Field Technician : A. Duchesne

Zone : 16T
Easting : 703523 m
Northing : 5154839 m





TEST PIT LOG - TP/MW3

(Page 1 of 1)

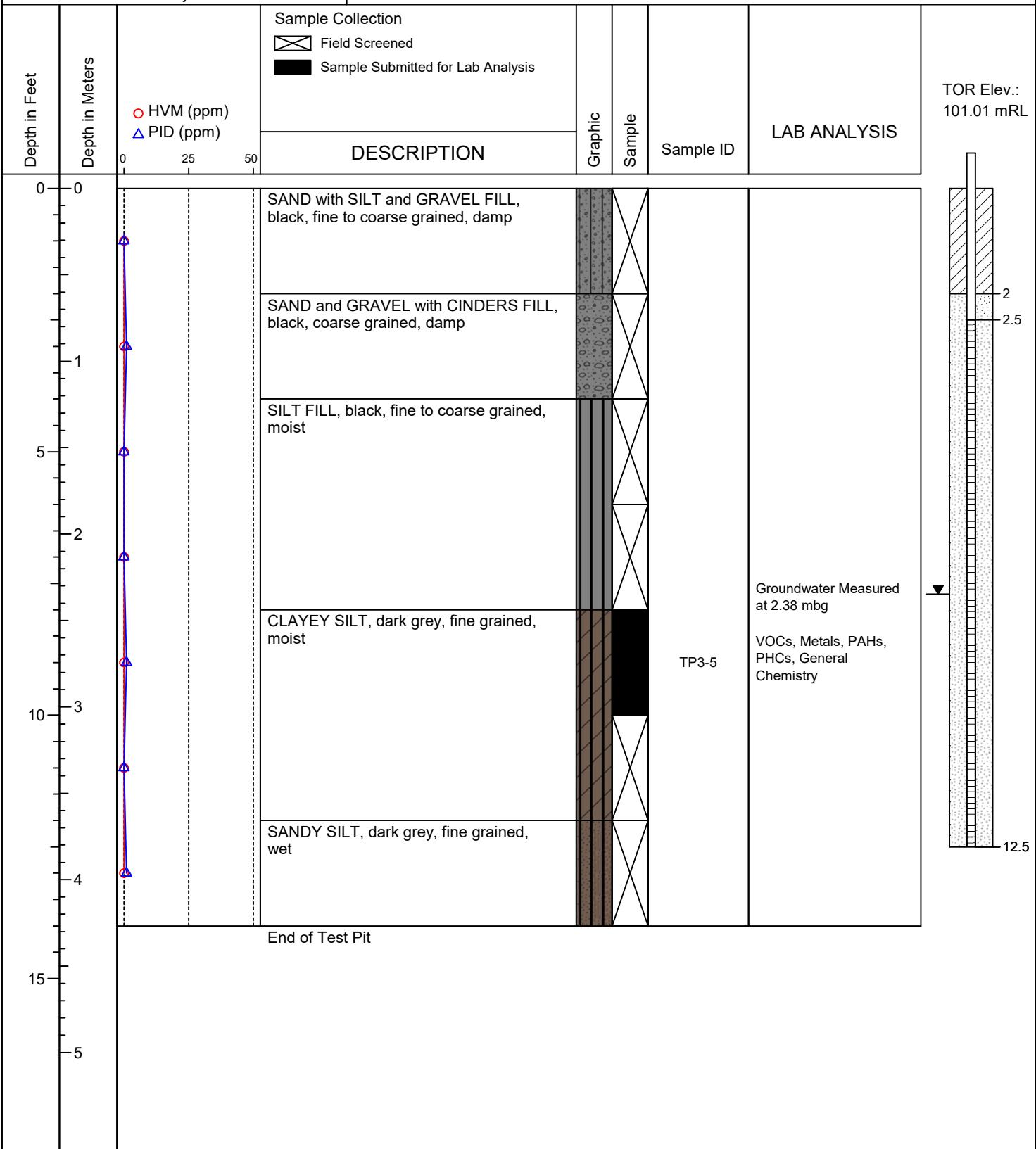
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/27/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : A. Duchesne

Zone : 16T
Easting : 703494 m
Northing : 5154845 m





TEST PIT LOG - TP4

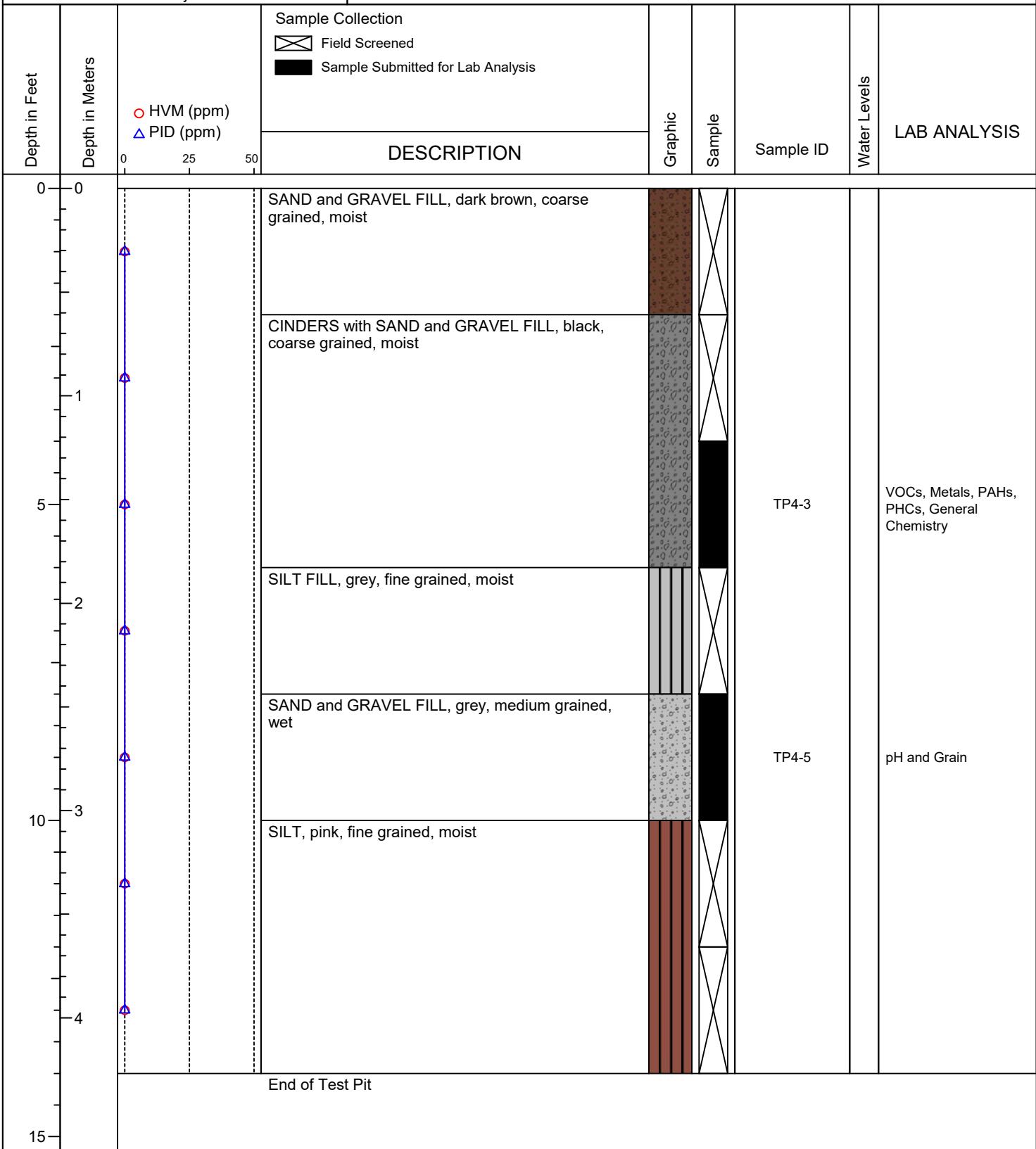
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/27/2023 Zone : 16T
Equipment Type : Track-Mounted Excavator Easting : 703464 m
Excavating Company : Lajoie Bros Construction Ltd. Northing : 5154856 m
Sampling Method : Continuous Grab Samples
Field Technician : A. Duchesne





TEST PIT LOG - TP/MW5

(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/27/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : A. Duchesne

Zone : 16T
Easting : 703423 m
Northing : 5154862 m

Sample Collection

Field Screened

Sample Submitted for Lab Analysis

○ HVM (ppm)
△ PID (ppm)

0 25 50

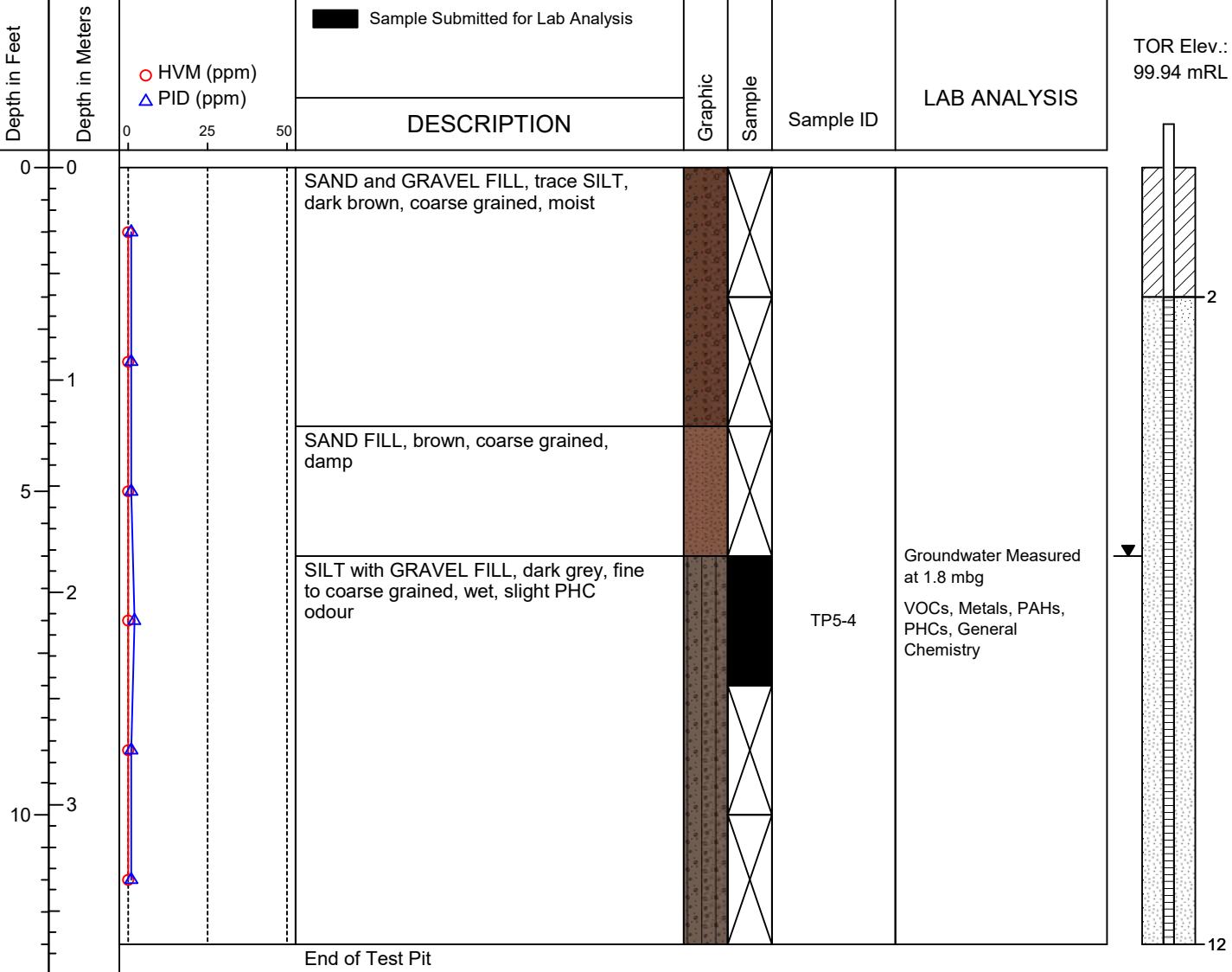
DESCRIPTION

Graphic

Sample

Sample ID

LAB ANALYSIS

TOR Elev.:
99.94 mRL



TEST PIT LOG - TP6

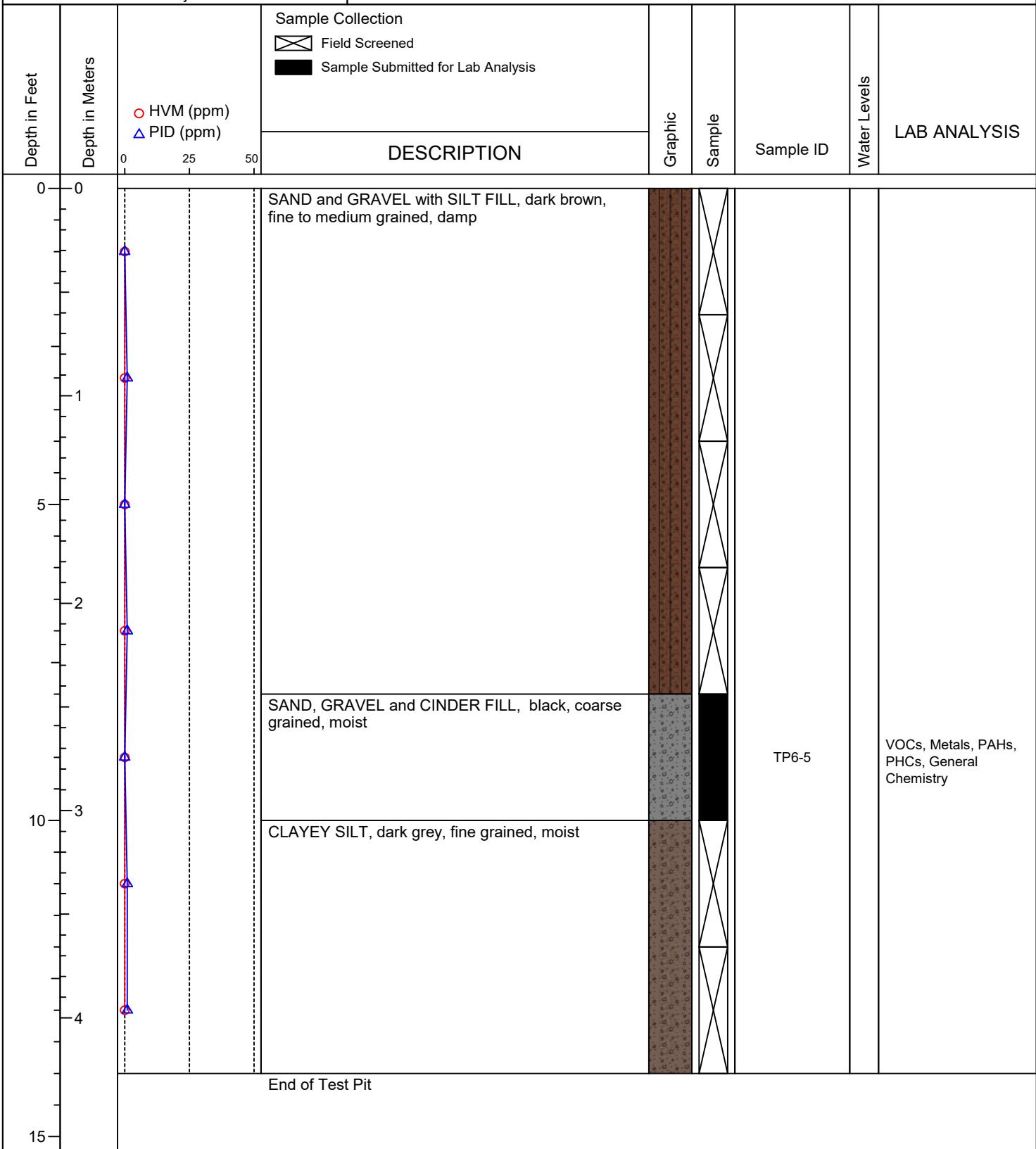
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/27/2023 Zone : 16T
Equipment Type : Track-Mounted Excavator Easting : 703595 m
Excavating Company : Lajoie Bros Construction Ltd. Northing : 5154845 m
Sampling Method : Continuous Grab Samples
Field Technician : A. Duchesne





TEST PIT LOG - TP/MW7

(Page 1 of 1)

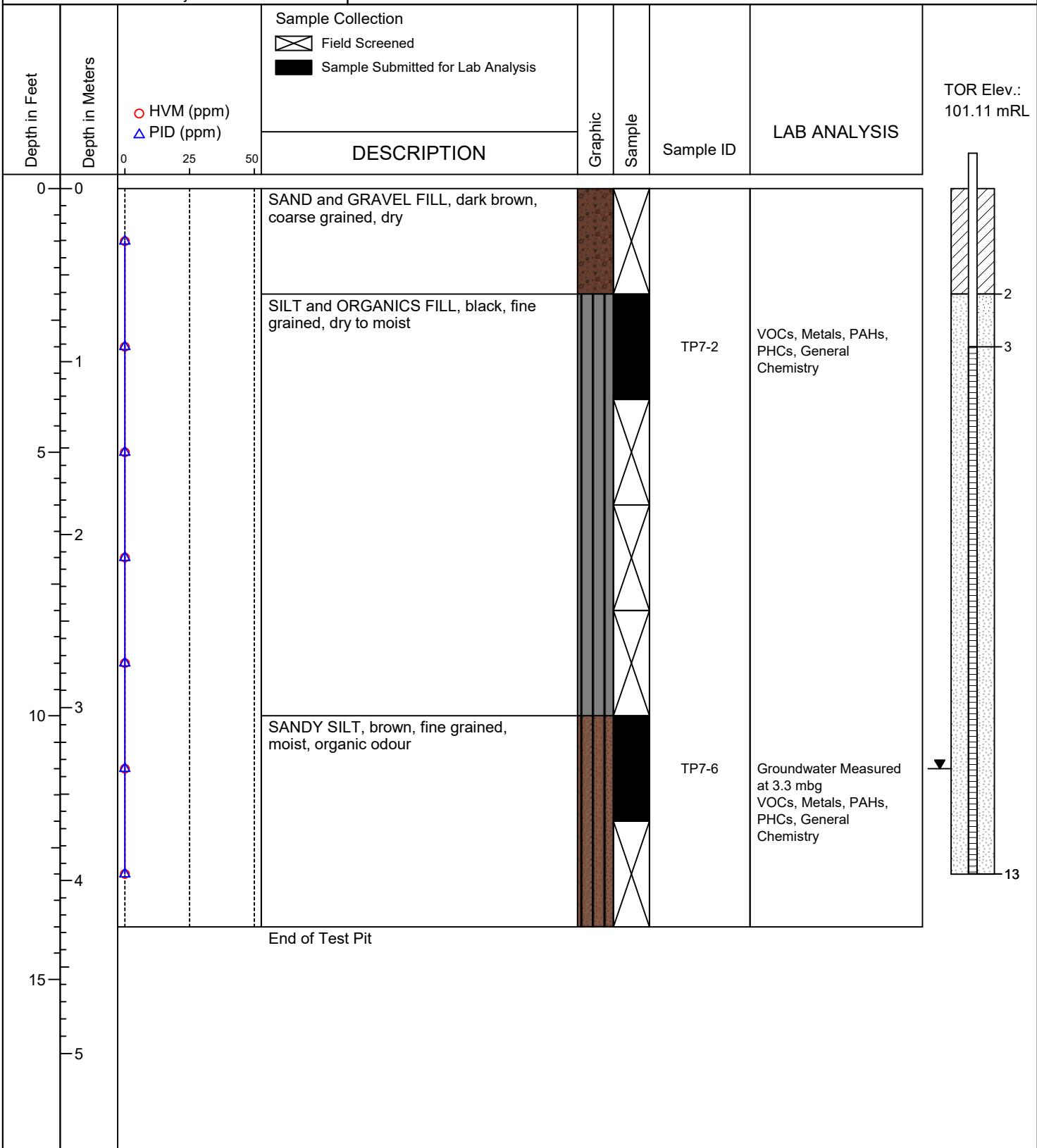
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/31/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : R. MacLeod

Zone : 16T
Easting : 703606 m
Northing : 5154821 m





TEST PIT LOG - TP/MW8

(Page 1 of 1)

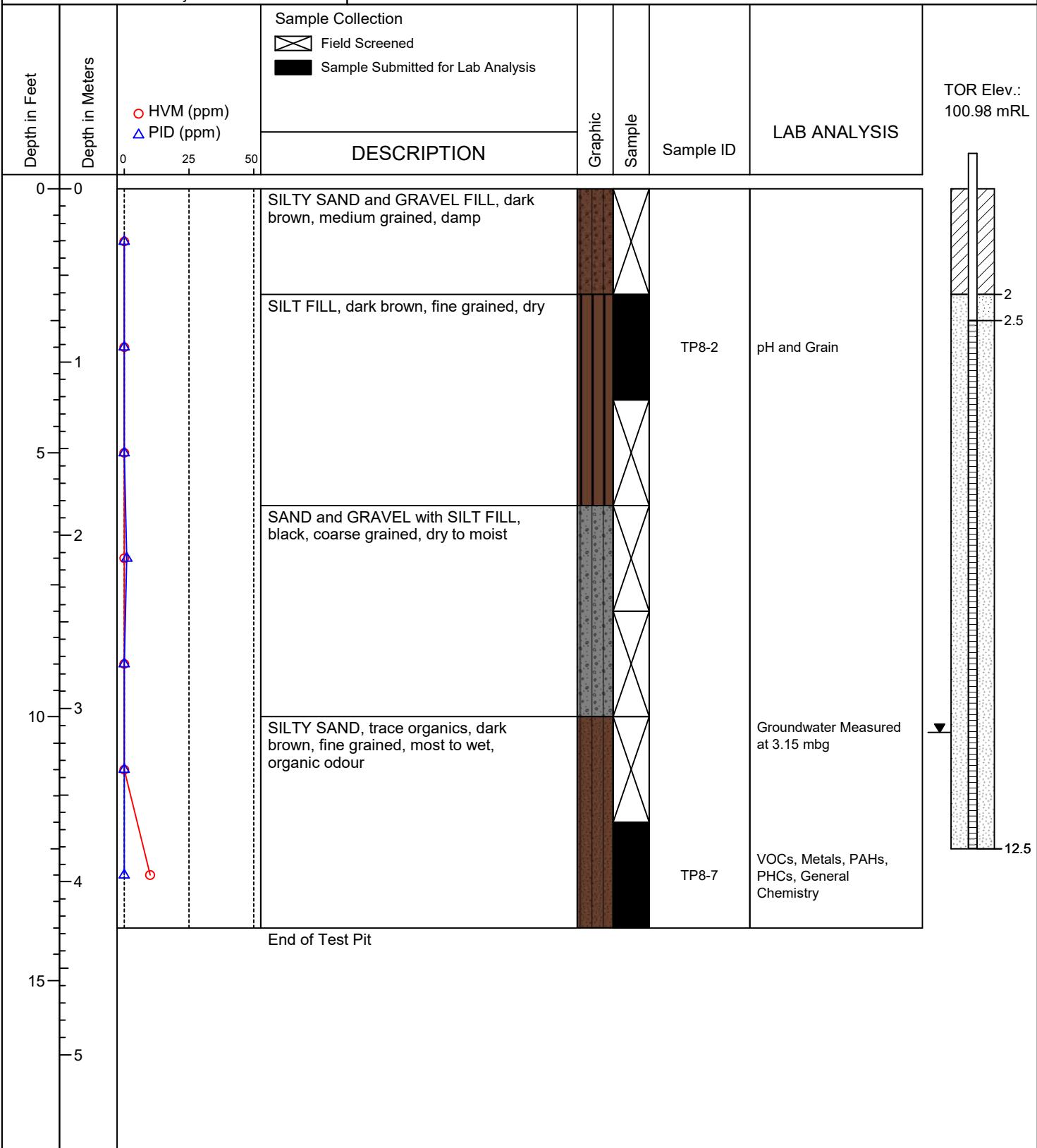
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/31/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : R. MacLeod

Zone : 16T
Easting : 703614 m
Northing : 5154794 m





TEST PIT LOG - TP9

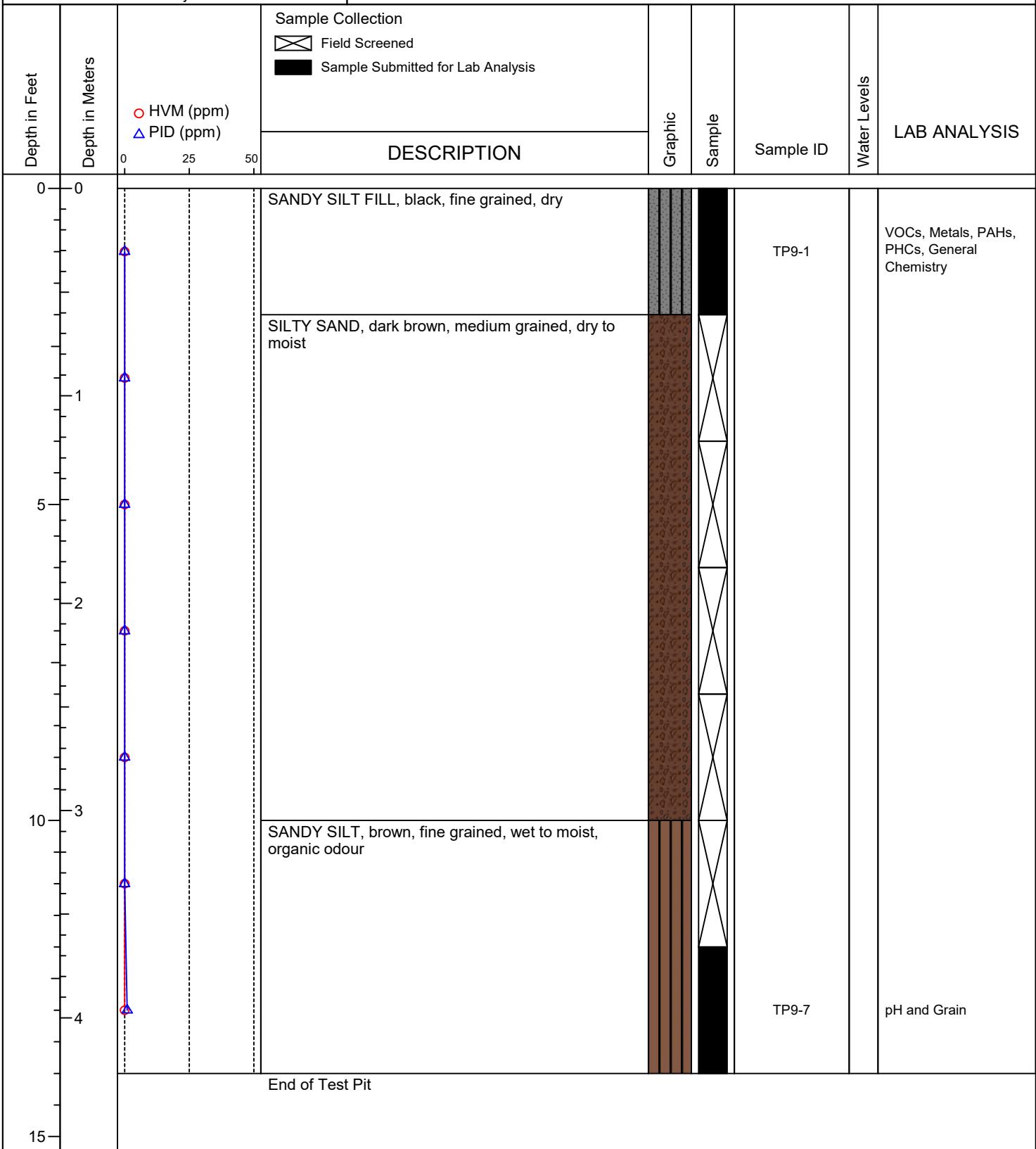
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/31/2023 Zone : 16T
Equipment Type : Track-Mounted Excavator Easting : 703601 m
Excavating Company : Lajoie Bros Construction Ltd. Northing : 5154785 m
Sampling Method : Continuous Grab Samples
Field Technician : R. MacLeod





TEST PIT LOG - TP10

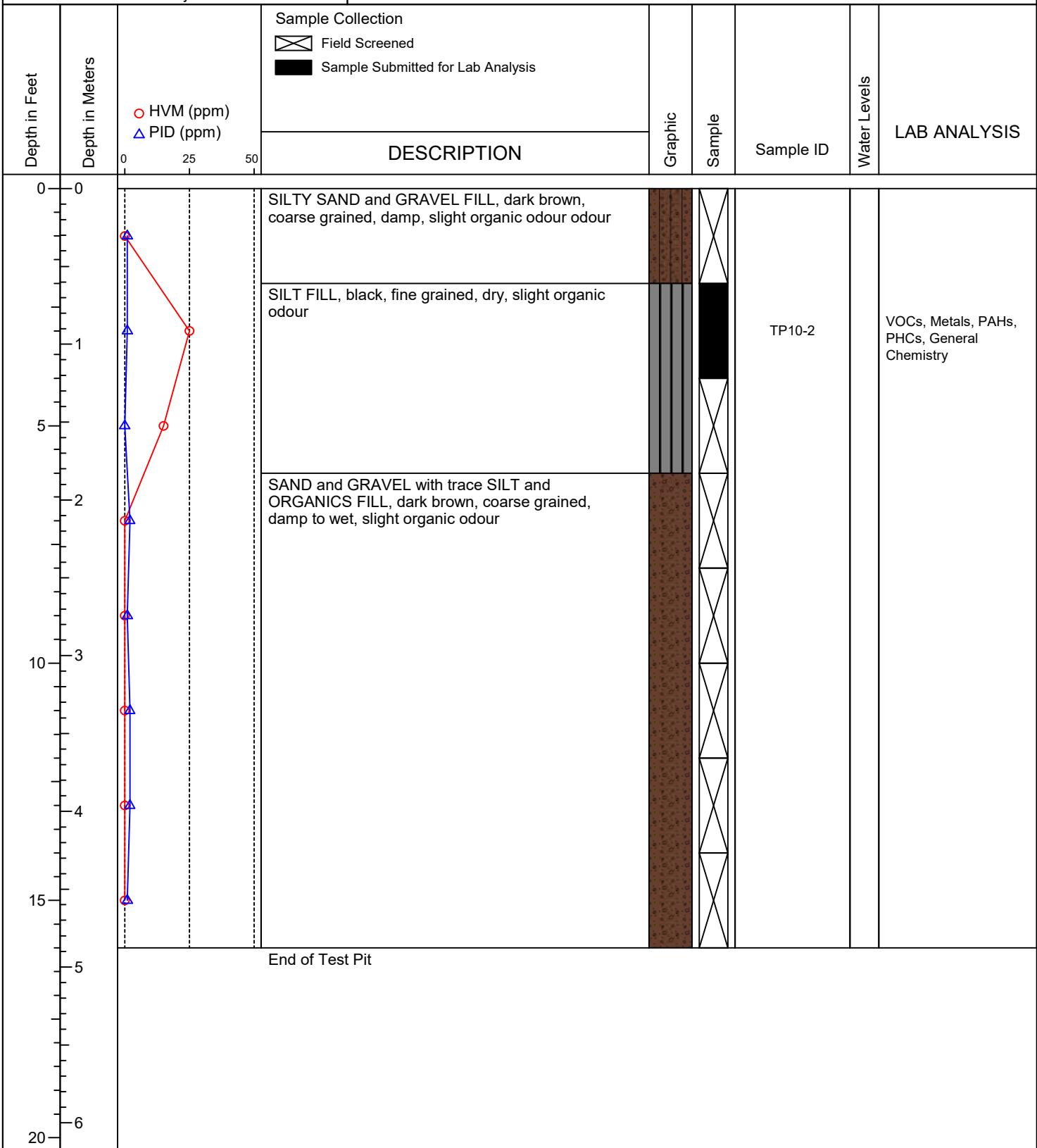
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/31/2023 Zone : 16T
Equipment Type : Track-Mounted Excavator Easting : 703557 m
Excavating Company : Lajoie Bros Construction Ltd. Northing : 5154801 m
Sampling Method : Continuous Grab Samples
Field Technician : R. MacLeod





TEST PIT LOG - TP/MW11

(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/31/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : R. MacLeod

Zone : 16T
Easting : 703558 m
Northing : 5154782 m

Sample Collection

Field Screened

Sample Submitted for Lab Analysis

○ HVM (ppm)
△ PID (ppm)

0

25

50

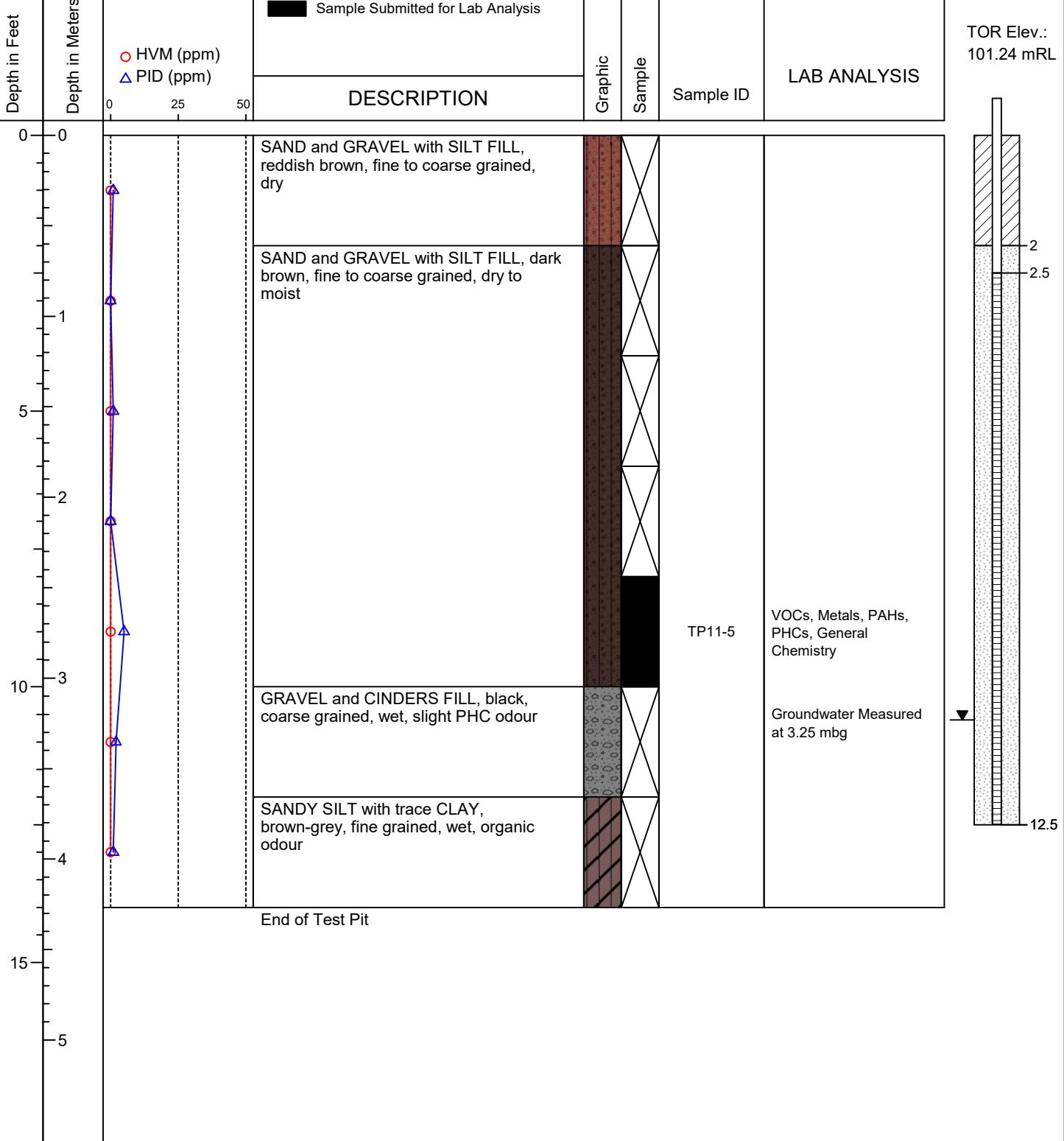
DESCRIPTION

Graphic

Sample

Sample ID

LAB ANALYSIS

TOR Elev.:
101.24 mRL



TEST PIT LOG - TP12

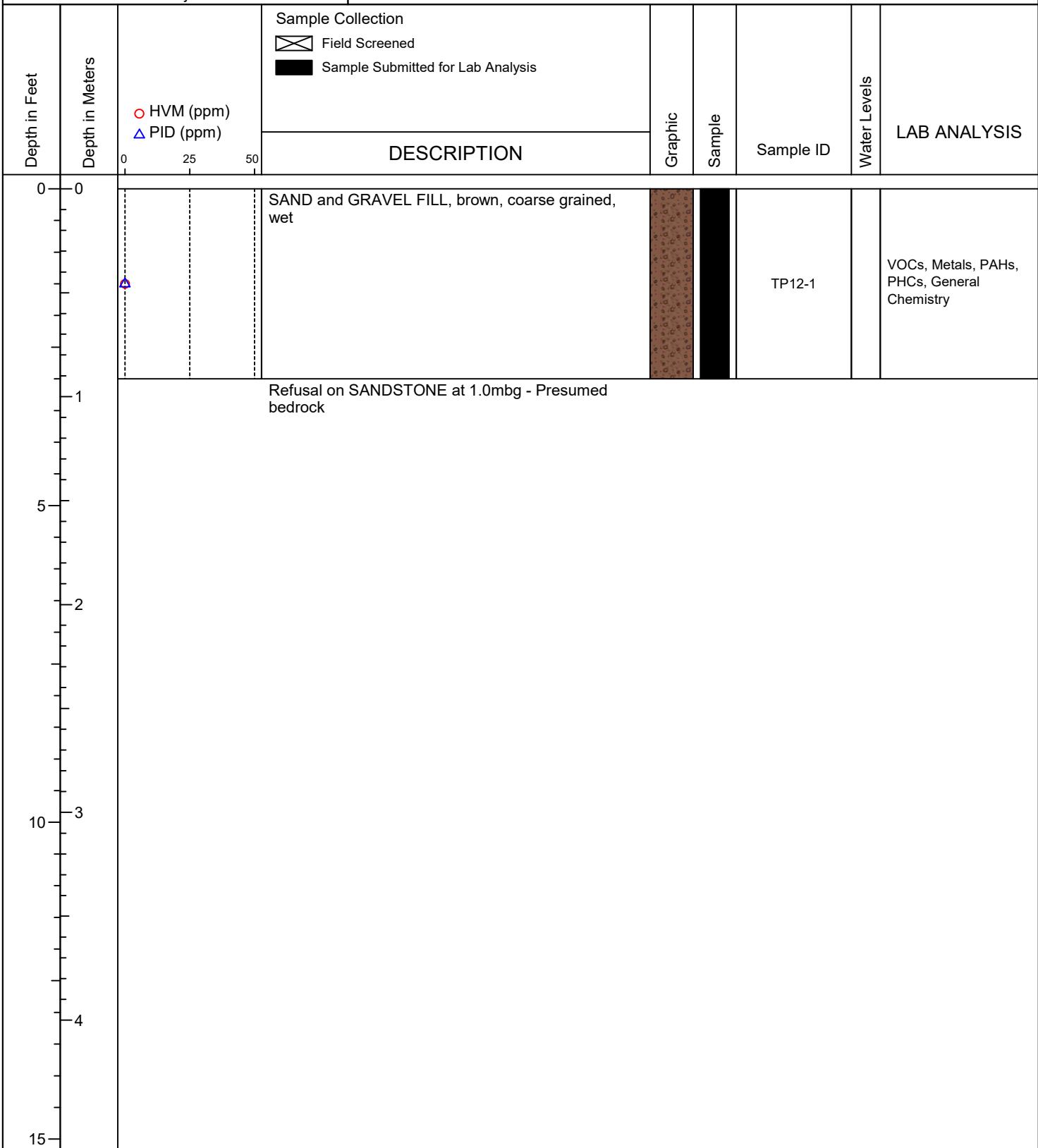
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/31/2023 Zone : 16T
Equipment Type : Track-Mounted Excavator Easting : 703528 m
Excavating Company : Lajoie Bros Construction Ltd. Northing : 5154734 m
Sampling Method : Continuous Grab Samples
Field Technician : R. MacLeod





TEST PIT LOG - TP/MW13

(Page 1 of 1)

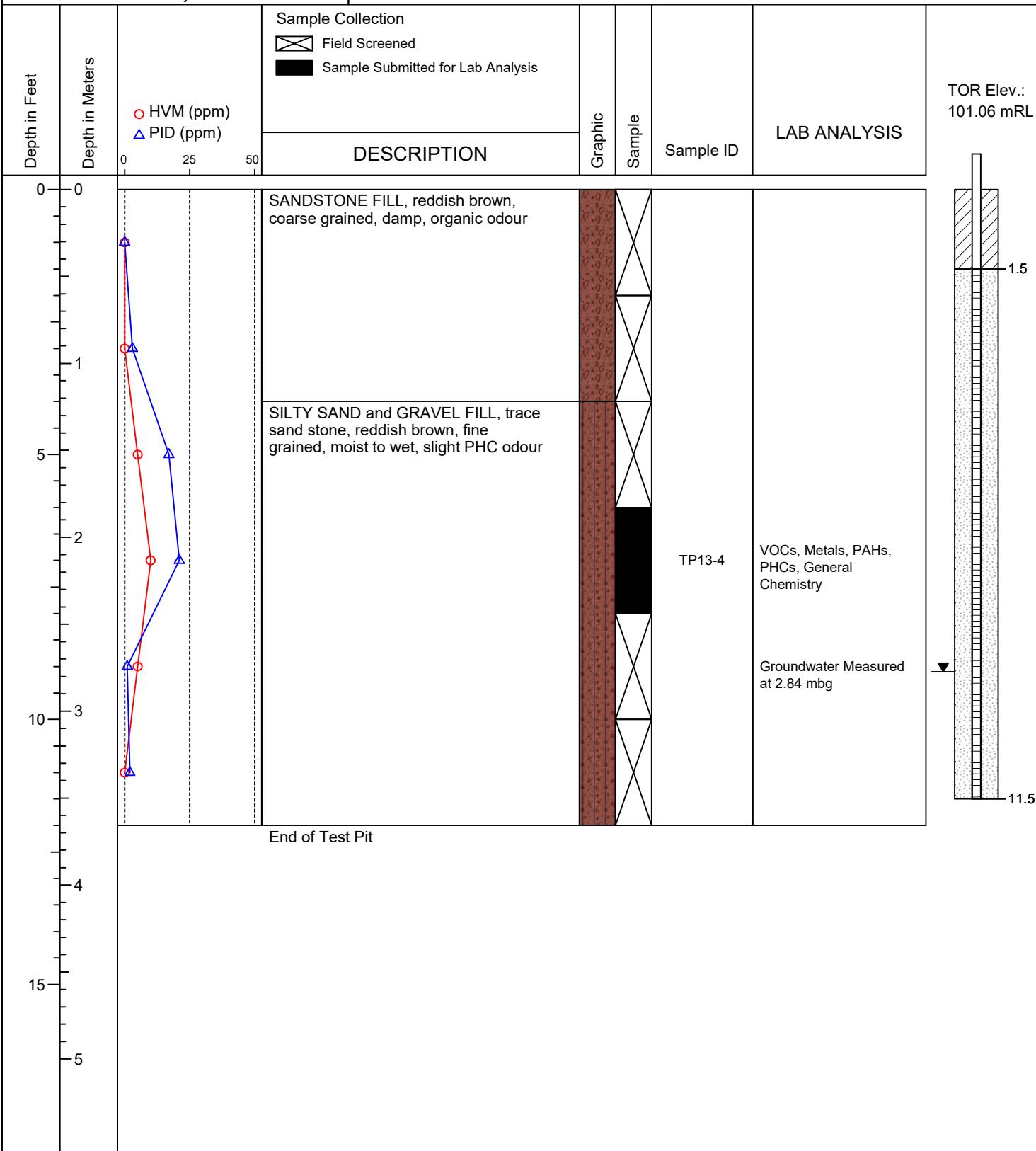
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 10/31/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : R. MacLeod

Zone : 16T
Easting : 703538 m
Northing : 5154734 m





TEST PIT LOG - TP14

(Page 1 of 1)

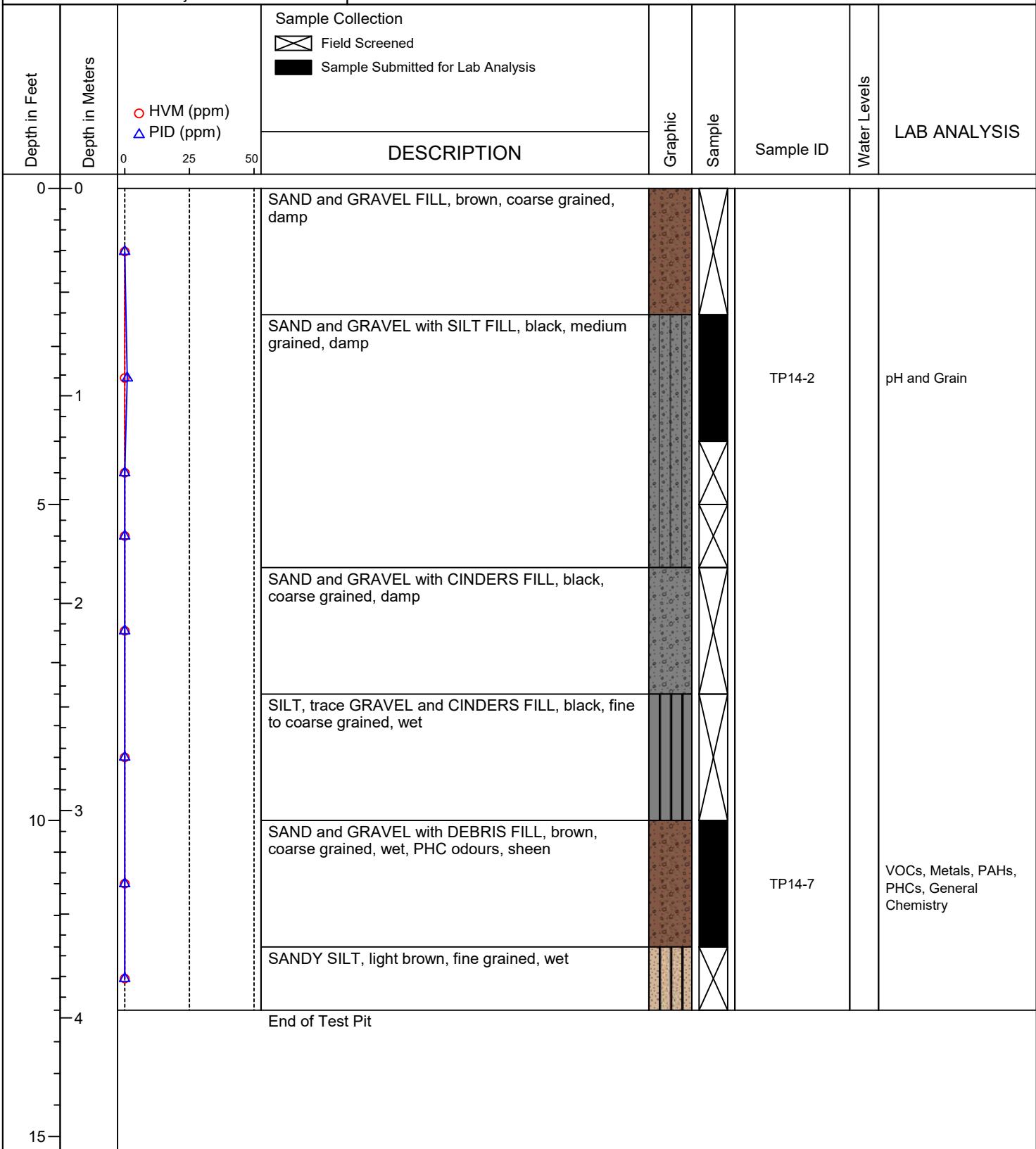
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 11/01/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Construction Ltd.
Sampling Method : Continuous Grab Samples
Field Technician : D. Cavan

Zone : 16T
Easting : 703569 m
Northing : 5154734 m





TEST PIT LOG - TP/MW15

(Page 1 of 1)

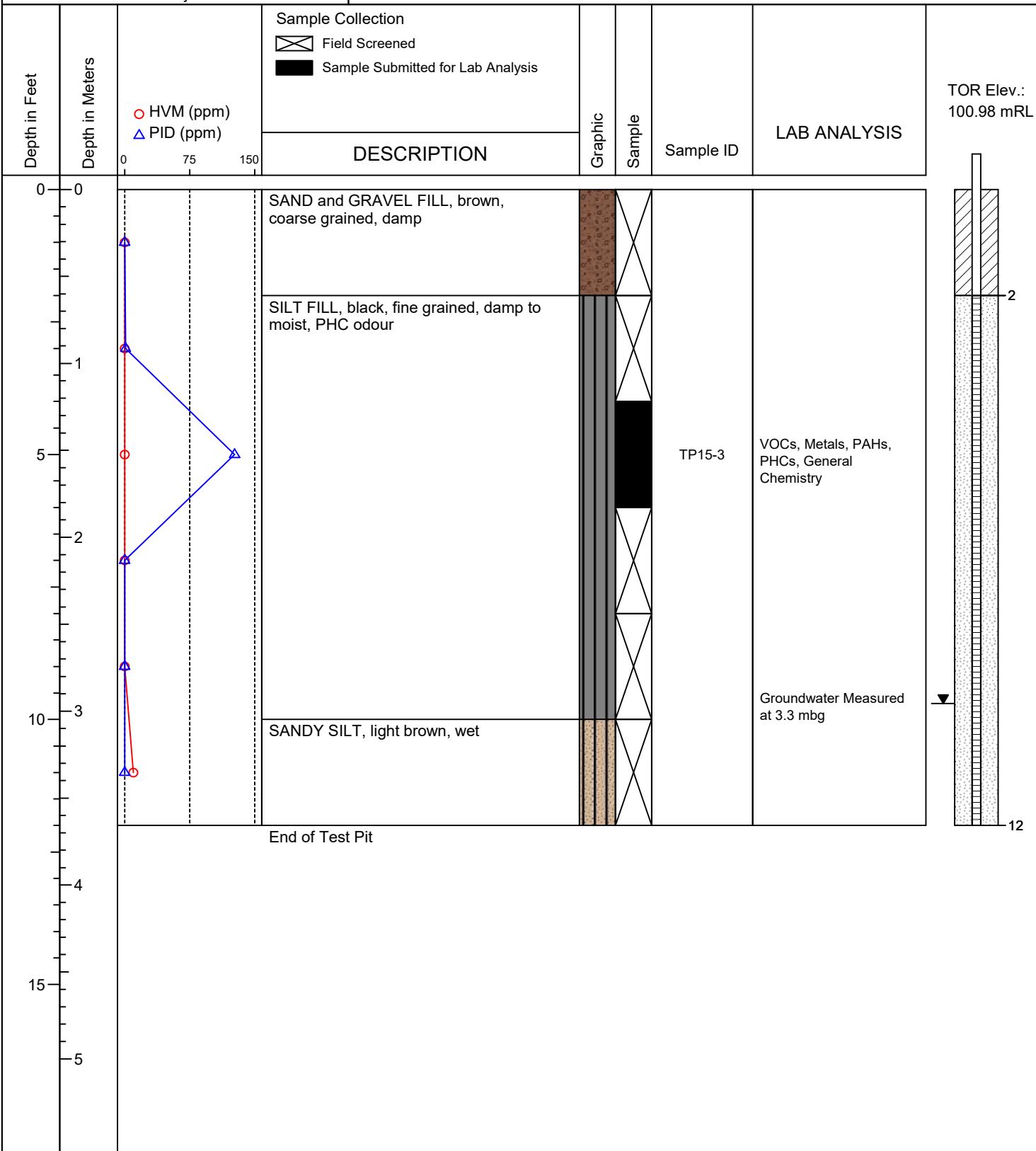
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 11/01/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : D. Cavan

Zone : 16T
Easting : 703605 m
Northing : 5154741 m





TEST PIT LOG - TP16

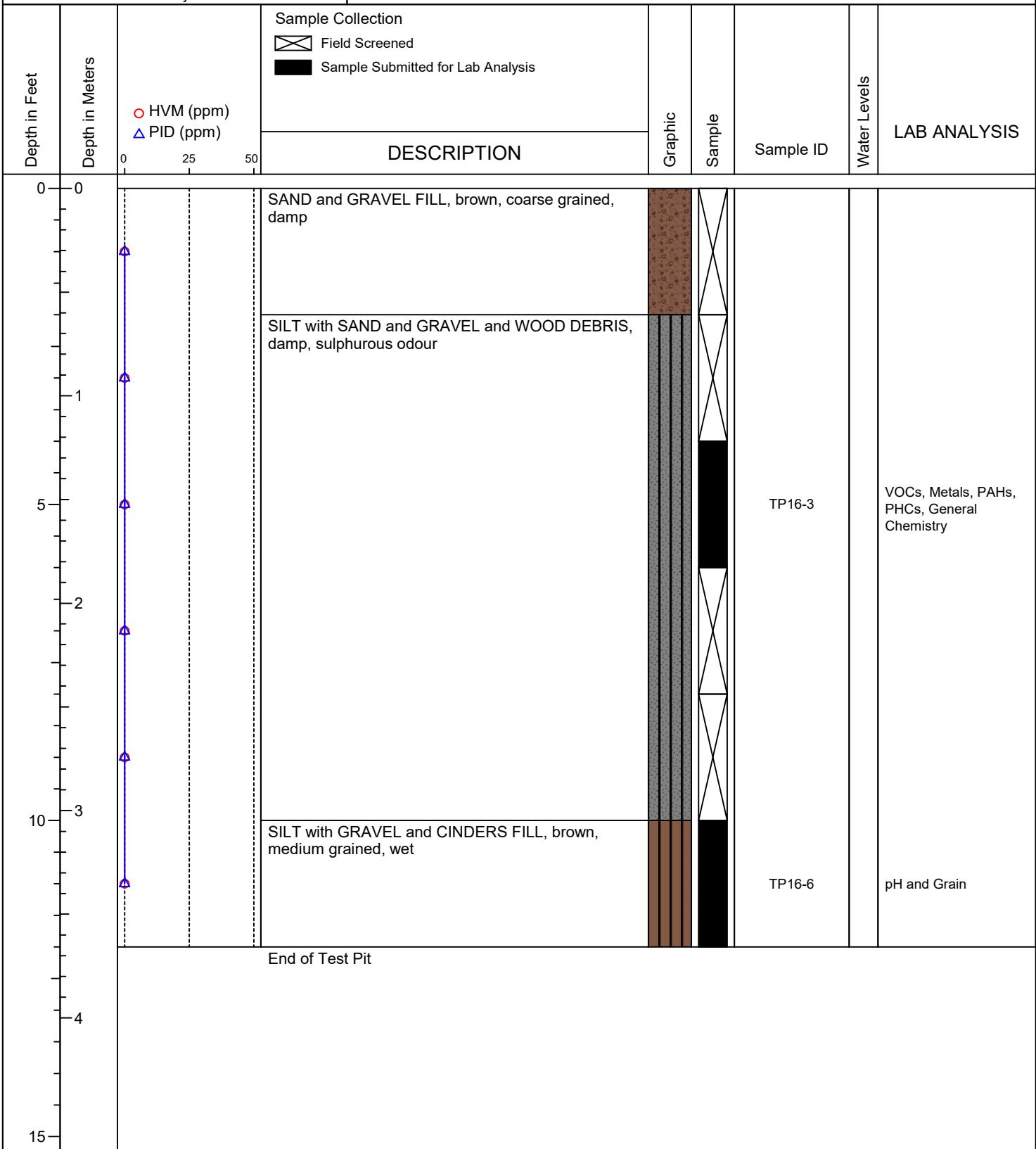
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 11/01/2023 Zone : 16T
Equipment Type : Track-Mounted Excavator Easting : 703633 m
Excavating Company : Lajoie Bros Construction Ltd. Northing : 5154714 m
Sampling Method : Continuous Grab Samples
Field Technician : D. Cavan





TEST PIT LOG - TP/MW17

(Page 1 of 1)

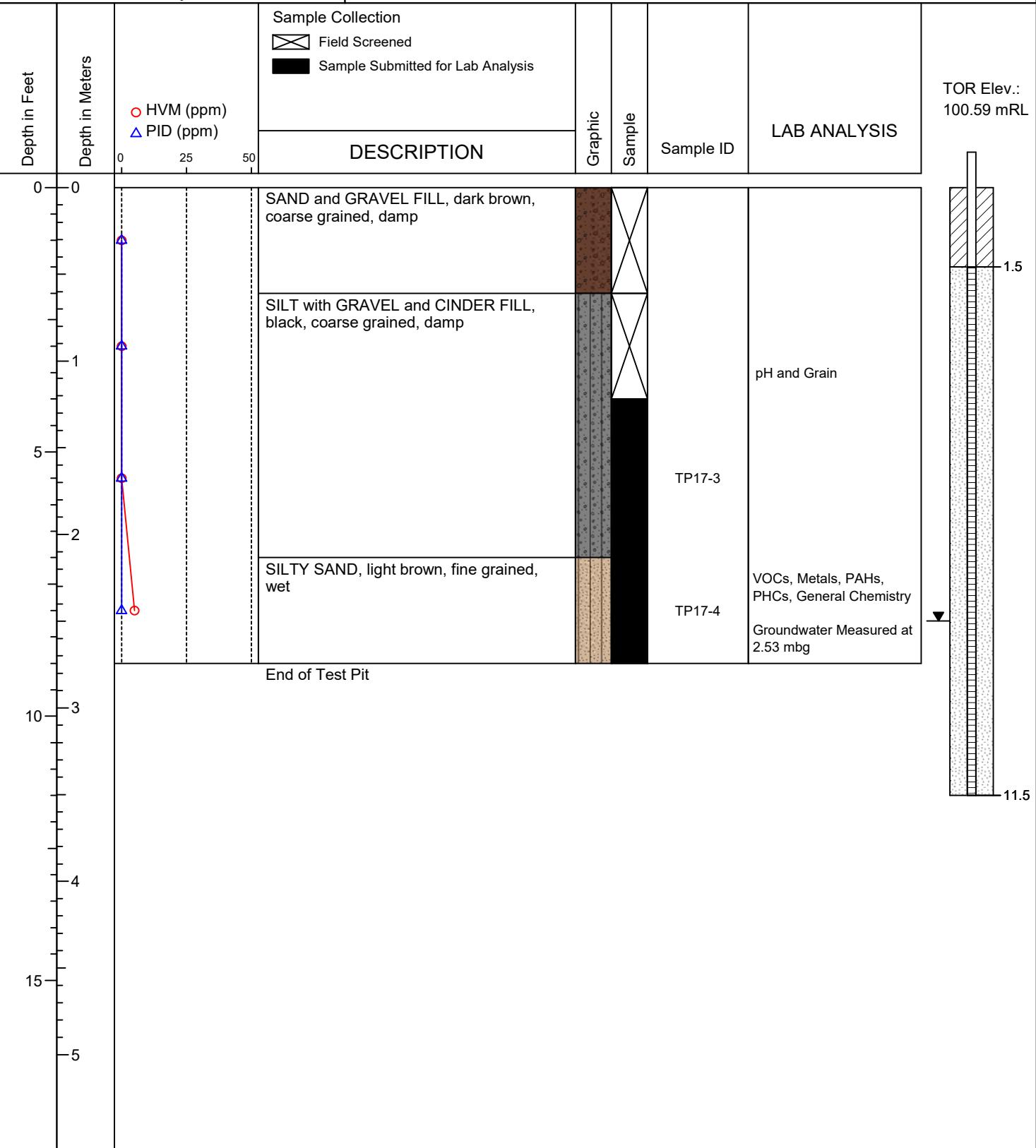
Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 11/01/2023
Equipment Type : Track-Mounted Excavator
Excavating Company : Lajoie Bros Contracting
Sampling Method : Continuous Grab Sample
Field Technician : D. Cavan

Zone : 16T
Easting : 703643 m
Northing : 5154730 m





BOREHOLE LOG - BH/MW18

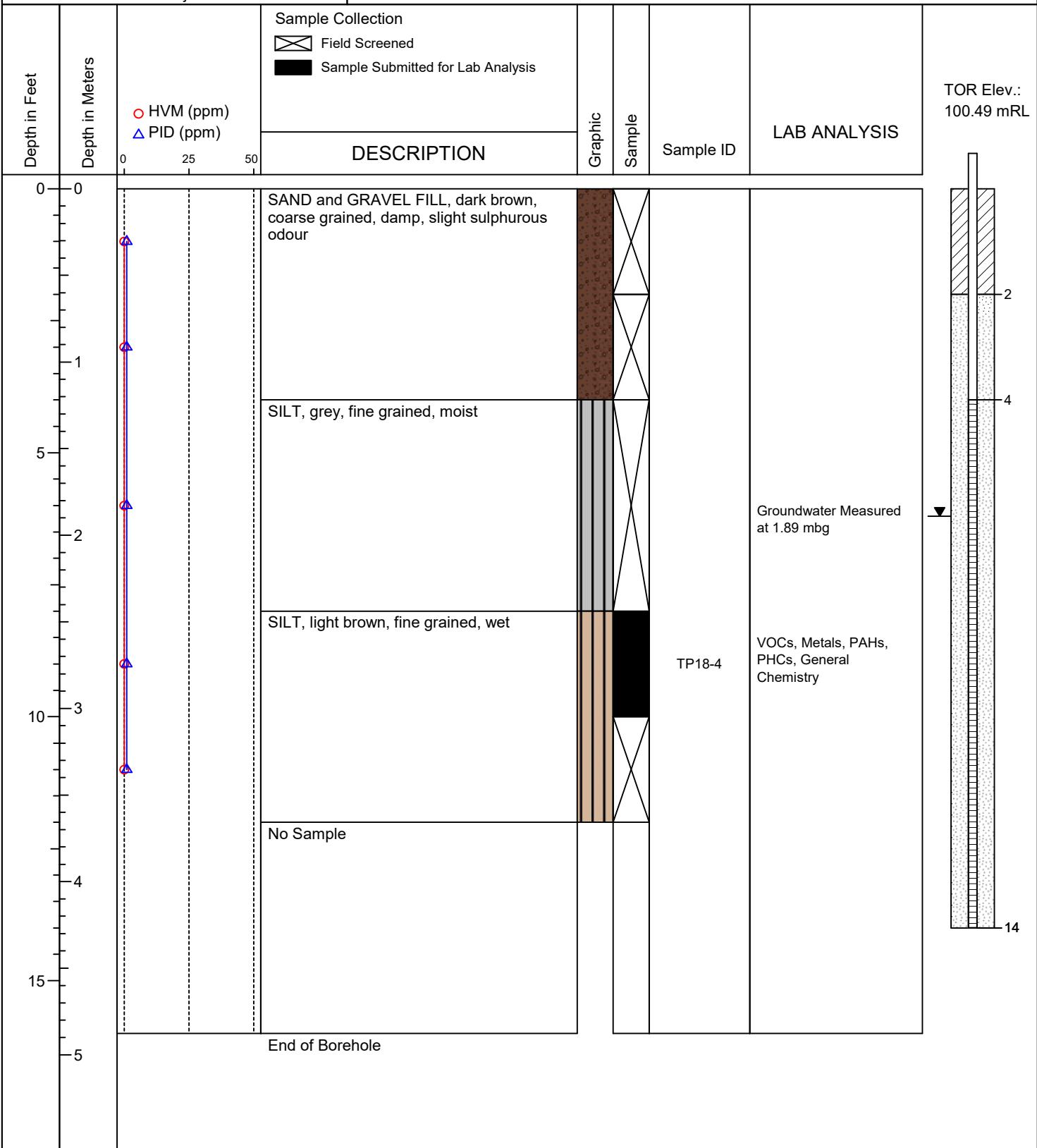
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

Date Completed : 11/02/2023 Hole Diameter : 4 inch
Equipment Type : Geoprobe 6610 Field Technician : D. Cavan
Drilling Company : Lajoie Bros Contracting Zone : 16T
Drilling Method : Direct Push Easting : 703589 m
Sampling Method : Continuous Macro Core Northing : 5154869 m





BOREHOLE LOG - BH/MW19

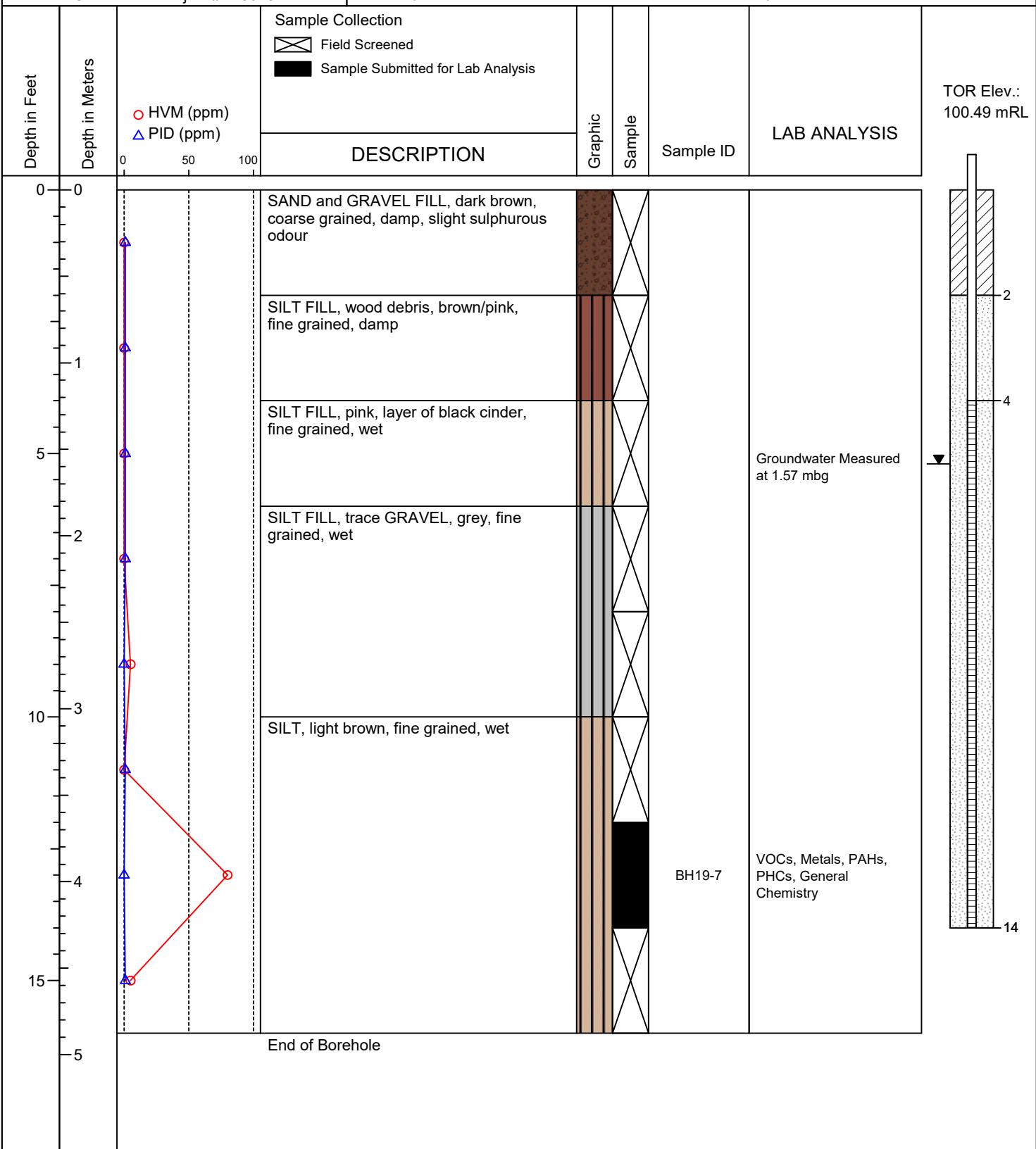
(Page 1 of 1)

Phase II ESA
10, 29, 35 Canal Drive
Sault Ste. Marie, ON

SIS Group

Greenstone Project #E23013

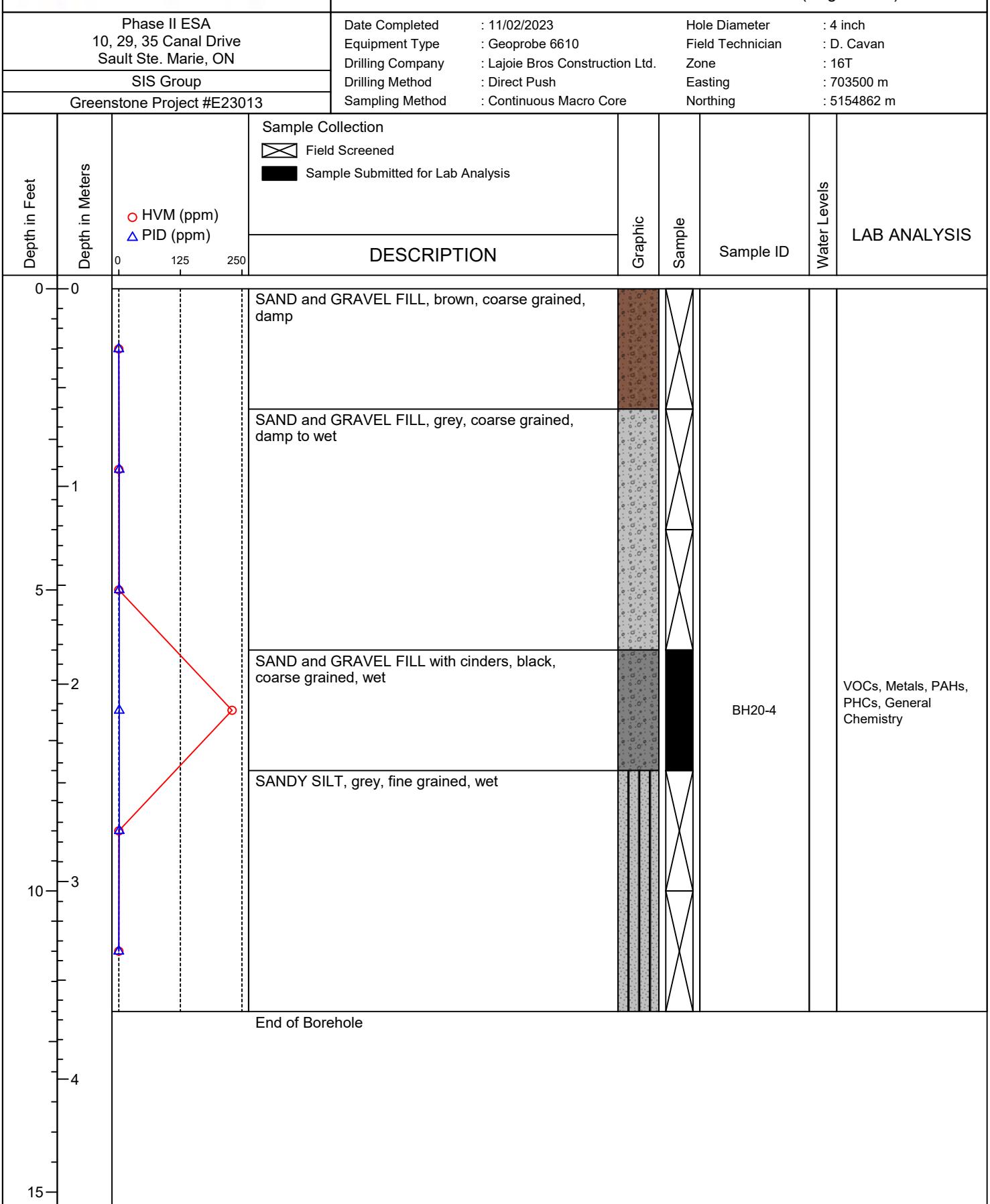
Date Completed : 11/02/2023 Hole Diameter : 4 inch
Equipment Type : Geoprobe 6010 Field Technician : D. Cavan
Drilling Company : Lajoie Bros Contracting Zone : 16T
Drilling Method : Direct Push Easting : 703517 m
Sampling Method : Continuous Macro Core Northing : 5154874 m





BOREHOLE LOG - BH20

(Page 1 of 1)





E23013
December 12, 2023

APPENDIX C – TABLES



TABLE 1 - GROUNDWATER MONITORING DATA
Phase II Environmental Site Assessment
10, 29 & 35 Canal Drive, Sault Ste. Marie, Ontario

Monitoring Well ID	UTM Coordinates			Ground Surface Elevation (mREL) ¹	Top of Riser Elevation (mREL)	Date of Initial Monitoring (mm/dd/yyyy)	Depth to NAPL ² (mbg) ³	NAPL Thickness (meters)	Height of Riser (meters)	Depth to Groundwater from Top of Riser (meters)	Depth to Groundwater (mbg)	Groundwater Elevation (mREL)	Visual/Olfactory Observation
	Zone	Easting	Northing										
MW1	16	703517	5154807	100.213	101.089	11/13/2023	ND ⁴	ND	0.876	3.68	2.80	97.41	Clear, no PHC odours or sheen.
MW3	16	703494	5154845	100.178	101.012	11/13/2023	ND	ND	0.834	3.21	2.38	97.80	Clear, no PHC odours or sheen.
MW5	16	703423	5154862	99.164	99.935	11/13/2023	ND	ND	0.771	2.58	1.80	97.36	Slight yellowish colour, PHC odour, no PHC sheen.
MW7	16	703606	5154821	100.528	101.110	11/13/2023	ND	ND	0.582	3.84	3.26	97.27	Clear, no PHC odours or sheen.
MW8	16	703614	5154794	100.398	100.976	11/13/2023	ND	ND	0.578	3.73	3.15	97.25	Clear, no PHC odours or sheen.
MW11	16	703558	5154782	100.478	101.243	11/13/2023	ND	ND	0.765	4.01	3.25	97.23	Sulphurous odour, no PHC sheen.
MW13	16	703538	5154734	100.111	101.057	11/13/2023	ND	ND	0.946	3.79	2.84	97.27	Clear, no PHC odours or sheen.
MW15	16	703605	5154741	100.111	100.978	11/13/2023	ND	ND	0.771	3.76	2.99	97.22	Clear, no PHC odours or sheen.
MW17	16	703643	5154730	99.868	100.592	11/13/2023	ND	ND	0.867	3.4	2.53	97.19	Clear, no PHC odours or sheen.
MW18	16	703589	5154869	99.599	100.485	11/13/2023	ND	ND	0.886	2.78	1.89	97.71	White opaque colour, no PHC odours or sheen.
MW19	16	703517	5154874	99.566	100.493	11/13/2023	ND	ND	0.927	2.50	1.57	97.99	Brown opaque colour, high sediment content, no PHC odours or sheen.

Notes:

¹All elevations are relative to a benchmark assigned an elevation 100.00 m (mREL).

²NAPL means "Non-Aqueous Phase Liquid".

³All subsurface measurements are in "metres below grade" (mbg).

⁴ND means "Not Detected".

TABLE 2 - SOIL ANALYTICAL RESULTS
 Phase II Environmental Site Assessment
 10, 29 & 35 Canal Drive, Sault Ste. Marie, Ontario

Sample ID	TP1-4	TP2-4	TP2-7	TP3-5	TP4-3	TP4-5	TP5-4	TP6-5	STANDARDS, CRITERIA & OBJECTIVES
Date Sampled (mm/dd/yyyy)	10/27/2023	10/27/2023	10/27/2023	10/27/2023	10/27/2023	10/27/2023	10/27/2023	10/27/2023	
Laboratory Sample #	1709822	1709823	1709845	1709824	1709825	1709826	1709827	1709828	
Sample Location	TP/MW1	TP2	TP/MW3	TP4	TP4	TP/MW5	TP6		
Sample Depth (mbsf)	1.8 - 2.4	1.8 - 2.4	3.7 - 4.3	2.4 - 3.1	1.2 - 1.8	2.4 - 3.1	1.8 - 2.4	2.4 - 3.1	
Combustible Organic Vapor Reading	0/4	50/4	0/2	0/1	0/0	0/0	0/2	0/0	
Sample Visual Observation									
PARAMETER	UNITS	Black, fine grained silt and cinders, moist, no PHC odours or staining	Black, fine grained silt sand with some gravel and debris fill, damp, no PHC odours or staining	Dark grey, fine grained clayey silt, moist, no PHC odours or staining	Black, coarse grained cinder with sand and gravel fill, moist, no PHC odours or staining	Grey, coarse grained sand and gravel fill, wet, no PHC odours or staining	Dark grey, coarse grained silt with gravel fill, wet, PHC odours, no staining	Black, coarse grained sand, gravel and cinder fill, moist, no PHC odours or staining	MECP Table 3 SCS ³
Volatile Organic Compounds									
Acetone	µg/g	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	16
Benzene	µg/g	0.199	<0.068	-	<0.068	<0.068	-	<0.068	0.109
Bromodichloromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.32
Bromoform	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.18
Bromomethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.61
Carbon Tetrachloride	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Chlorobenzene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.21
Chloroform	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.47
Dibromo-chloromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	13
Dichlorobenzene, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	6.8
Dichlorobenzene, 1,3-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	9.6
Dichlorobenzene, 1,4-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.2
Dichlorodifluoromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	16
Dichloroethane, 1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	17
Dichloroethane, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Dichloroethylene, 1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.064
Dichloroethylene, 1,2-cis	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	55
Dichloroethylene, 1,2-trans	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	1.3
Dichloropropene, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.16
Dichloropropene, 1,3-cis + trans-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.18
Ethylbenzene	µg/g	<0.018	<0.018	-	<0.018	<0.018	-	<0.018	9.5
Ethylene dibromide	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Hexane (n)	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	46
Methyl Ethyl Ketone	µg/g	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	70
Methyl Isobutyl Ketone	µg/g	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	31
Methyl tert-Butyl Ether (MTBE)	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	11
Methylene Chloride	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	1.6
Styrene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	34
Tetrachloroethane, 1,1,1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.087
Tetrachloroethane, 1,1,2,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Tetrachloroethylene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	4.5
Toluene	µg/g	1.38	<0.08	-	<0.08	0.43	-	<0.08	6.6
Trichloroethane, 1,1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	6.1
Trichloroethane, 1,1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Trichloroethylene	µg/g	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	0.91
Trichlorofluoromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	4
Vinyl Chloride	µg/g	<0.02	<0.02	-	<0.02	<0.02	-	<0.02	0.02
Xylenes ⁴	µg/g	3.82	<0.05	-	<0.05	0.55	-	<0.05	26
Metals									
Antimony	µg/g	5	1	-	<1	<1	-	<1	40
Arsenic	µg/g	38	27	-	2	18	-	3	18
Barium	µg/g	224	434	-	30	84	-	38	670
Beryllium	µg/g	1	<1	-	<1	<1	-	<1	8
Boron (Total)	µg/g	16	20	-	<5	11	-	<5	120
Boron (Hot Water Soluble)	µg/g	0.6	2.6	-	2.4	0.6	-	<0.5	2
Cadmium	µg/g	0.5	<0.4	-	<0.4	<0.4	-	<0.4	1.9
Chromium (Total)	µg/g	62	235	-	14	90	-	56	160
Chromium (VI)	µg/g	<0.20	7.39	-	0.61	<0.20	-	<0.20	8
Cobalt	µg/g	22	9	-	3	9	-	4	9
Copper	µg/g	151	64	-	11	32	-	12	230
Lead	µg/g	697	62	-	6	17	-	12	5
Mercury	µg/g	1.6	0.2	-	<0.1	0.3	-	<0.1	3.9
Molybdenum	µg/g	3	6	-	<1	3	-	<1	40
Nickel	µg/g	77	48	-	8	55	-	27	50
Selenium	µg/g	2.8	2.1	-	<0.5	1.2	-	0.6	1.9
Silver	µg/g	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	40
Thallium	µg/g	<1	<1	-	<1	<1	-	<1	3.3
Uranium	µg/g	0.8	0.6	-	0.7	1.4	-	1.0	0.7
Vanadium	µg/g	23	18	-	22	18	-	20	16
Zinc	µg/g	174	78	-	22	26	-	43	340
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	96
Acenaphthylene	µg/g	0.12	<0.05	-	<0.05	<0.05	-	0.10	<0.05
Anthracene	µg/g	0.11	<0.05	-	<0.05	<0.05	-	0.14	<0.05
Benz[a]anthracene	µg/g	0.59	0.05	-	<0.05	<0.05	-	0.24	<0.05
Benz[a]pyrene	µg/g	0.64	<0.05	-	<0.05	<0.05	-	0.22	<0.05
Benz[b]fluoranthene	µg/g	0.56	<0.05	-	<0.05	<0.05	-	0.22	<0.05
Benz[ghi]perylene	µg/g	0.28	<0.05	-	<0.05	<0.05	-	0.11	<0.05
Benz[k]fluoranthene	µg/g	0.33	<0.05	-	<0.05	<0.05	-	0.13	<0.05
Chrysene	µg/g	0.61	0.05	-	<0.05	<0.05	-	0.26	<0.05
Dibenzo[a,h]anthracene	µg/g	0.11	<0.05	-	<0.05	<0.05	-	<0.05	0.1
Fluoranthene	µg/g	0.82	0.18	-	<0.05	<0.05	-	0.57	<0.05
Fluorene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	0.06	<0.05
Indeno[1,2,3- <i>cd</i>]pyrene	µg/g	0.28	<0.05	-	<0.05	<0.05	-	0.11	<0.05
Methylnaphthalene, 1 + 2-	µg/g	0.61	0.06	-	<0.05	0.66	-	0.23	1.01
Methylnaphthalene, 1-	µg/g	0.28	<0.05	-	<0.05	0.29	-	0.16	0.47
Methylnaphthalene, 2-	µg/g	0.33	0.06	-	<0.05	0.37	-	0.07	0.54
Naphthalene	µg/g	0.200	0.057	-	<0.013	0.259	-	0.056	0.346
Phenanthrene	µg/g	0.25	0.09	-	<0.05	0.16	-	0.30	0.22
Pyrone	µg/g	0.80	<14.0	-	<0.05	<0.05	-	0.46	<0.05
PHC Fractions F1 to F4									
F1 (C6-C10 - Less BTEx ⁵)	µg/g	<10	<10	-	<10	<10	-	<10	55
F2 (C10-C14)	µg/g	3	4	-	<2	3	-	7	5
F3 (C16-C20)	µg/g	50	140	-	<20	<20	-	20	30
F4 (C24-C30)	µg/g	30	60	-	<20	<20	-	<20	3300
General Chemistry									
pH - CEC	pH Units	7.55	7.43	7.43	7.37	7.33	7.25	7.19	7.41
Cyanide (Free)	µg/g	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	<0.005
Electrical Conductivity (EC)	mS/cm	0.32	0.40	-	0.39	0.30	-	0.19	0.20
Sodium Adsorption Ratio (SAR)	-	0.26	4.76	-	4.86	0.29	-	0.51	1.94
Grain Size % > 75 µm	%	-	-	8.1	-	-	36.3	-	-
Grain Size Characterization	-	-	-	-	Medium/Fine	-	-	Medium/Fine	-

¹All sample depths are recorded as "metres below grade".

²Headspace readings are conducted using an RK-Eagle II COV meter. Results are reported in parts per million (ppm) or lower explosive limit (LEL).

³Ministry of the Environment Conservation and Parks, "Soil, Ground Water and Sediment Standards for Use Under Part X of the Environmental Protection Act", dated April 15, 2011 - Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for "commercial/industrial" land use and "coarse" textured soil.

⁴Total Xylene values are given as the sum of the m+p-Xylene and o-Xylene values.

⁵F1 values represent the results for the C6 - C10 hydrocarbon fraction, with the BTEx results subtracted.

Shaded Cells - Result exceeds MECP Table 3 SCS.

TABLE 2 - SOIL ANALYTICAL RESULTS
Phase II Environmental Site Assessment
10, 29 & 35 Canal Drive, Sault Ste. Marie, Ontario

Sample ID	TP7-2	TP7-6	TP8-2	TP8-7	TP9-1	TP9-7	TP10-2	TP11-5	STANDARDS, CRITERIA & OBJECTIVES
Date Sampled (mm/dd/yyyy)	10/31/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023	10/31/2023	
Laboratory Sample #	1709829	1709830	1709832	1709833	1709846	1709834			1709835
Sample Location	TP/MW7	TP/MW7	TP/MW8	TP/MW8	TP9	TP9	TP10	TP/MW11	
Sample Depth (mbs)	0.6 - 1.2	3.1 - 3.7	0.6 - 1.2	3.7 - 4.3	0.0 - 0.6	3.7 - 4.3	0.6 - 1.2	2.4 - 3.1	
Combustible Organic Vapor Reading*	0/0	0/0	0/0	10/0	0/0	0/1	25/1	0/5	
Sample Visual Observation									
PARAMETER	UNITS	Black, fine grained sandy silt, moist, organic odour, no staining	Dark brown, fine grained sandy silt, dry, no PHC odours or staining	Dark brown, fine grained sandy silt sand, dry no PHC odours or staining	Black, fine grained sandy silt, dry, no PHC odours or staining	Brown, fine grained sandy silt sand with trace organics, moist, organic odour, no staining	Black, fine grained sandy silt, dry, slight organic odour, no staining	Dark brown, fine to coarse grained sand fill, dry, slight organic odour, no staining	MECP Table 3 SCS ³
Volatile Organic Compounds									
Acetone	µg/g	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	16
Benzene	µg/g	<0.0068	<0.0068	-	<0.0068	<0.0068	-	<0.0068	0.32
Bromodichloromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	18
Bromoform	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.61
Bromomethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Carbon Tetrachloride	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.21
Chlorobenzene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	2.4
Chloroform	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.47
Dibromo-chloromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	13
Dichlorobenzene, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	6.8
Dichlorobenzene, 1,3-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	9.6
Dichlorobenzene, 1,4-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.2
Dichlorodifluoromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	16
Dichloroethane, 1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	17
Dichloroethane, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Dichloroethylene, 1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.064
Dichloroethylene, 1,2-cl-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	55
Dichloroethylene, 1,2-trans-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	1.3
Dichloropropane, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.16
Dichloropropene, 1,3-clis + trans-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.18
Ethylbenzene	µg/g	<0.018	<0.018	-	<0.018	<0.018	-	<0.018	9.5
Ethylene dibromide	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Hexane (n)	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	46
Methyl Ethyl Ketone	µg/g	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	70
Methyl Isobutyl Ketone	µg/g	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	31
Methyl t-Butyl Ether (MTBE)	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	11
Methylene Chloride	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	1.6
Styrene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	34
Tetrachloroethane, 1,1,1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.087
Tetrachloroethane, 1,1,2,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Tetrachloroethylene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	4.5
Toluene	µg/g	<0.08	<0.08	-	<0.08	<0.08	-	<0.13	<0.08
Trichloroethane, 1,1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	6.1
Trichloroethane, 1,1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.05
Trichloroethylene	µg/g	<0.01	<0.01	-	<0.01	<0.01	-	<0.01	0.91
Trichlorofluoromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	4
Vinyl Chloride	µg/g	<0.02	<0.02	-	<0.02	<0.02	-	<0.02	0.032
Xenon ⁴	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	26
Metals									
Antimony	µg/g	2	<1	-	<1	-	-	<1	2
Arsenic	µg/g	26	3	-	1	17	-	28	22
Balum	µg/g	596	50	-	24	390	-	460	476
Beryllium	µg/g	3	<1	-	<1	3	-	2	<2
Boron (Total)	µg/g	20	10	-	<5	17	-	22	28
Boron (Hot Water Soluble)	µg/g	0.6	7.5	-	0.8	2.3	-	2.3	0.7
Cadmium	µg/g	0.7	<0.4	-	<0.4	<0.4	-	0.5	<0.4
Chromium (Total)	µg/g	47	20	-	12	20	-	34	80
Chromium (VI)	µg/g	<0.20	0.36	-	<0.20	<0.20	-	<0.20	0.20
Cobalt	µg/g	22	4	-	3	12	-	9	8
Copper	µg/g	582	20	-	6	206	-	96	249
Lead	µg/g	138	26	-	3	17	-	45	51
Mercury	µg/g	0.3	<0.1	-	<0.1	0.2	-	0.2	<0.1
Molybdenum	µg/g	4	<1	-	<1	1	-	2	3
Nickel	µg/g	33	12	-	7	22	-	46	55
Selenium	µg/g	3	1.0	-	0.9	2	-	2	2.6
Silver	µg/g	<0.2	<0.2	-	<0.2	<0.2	-	<0.2	0.2
Thallium	µg/g	<1	<1	-	<1	<1	-	<1	<3
Uranium	µg/g	1.7	2.0	-	0.7	1.4	-	0.9	1.4
Vanadium	µg/g	43	31	-	16	39	-	33	22
Zinc	µg/g	145	30	-	15	65	-	134	59
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	96
Acenaphthylene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.15
Anthracene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.67
Benz[a]anthracene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.96
Benz[a]pyrene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.3
Benz[b]fluoranthene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.96
Benz[ghi]perylene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	9.6
Benz[k]fluoranthene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.96
Chrysene	µg/g	0.05	<0.05	-	<0.05	<0.05	-	<0.05	9.6
Dibenz[a]anthracene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.1
Fluoranthene	µg/g	0.09	<0.05	-	<0.05	<0.05	-	<0.05	9.6
Fluorene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	62
Indeno[1,2,3-cd]pyrene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	0.76
Methylnaphthalene, 1 + 2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	76
Methylnaphthalene, 1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	26
Methylnaphthalene, 2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	76
Naphthalene	µg/g	<0.013	<0.013	-	<0.013	<0.013	-	<0.013	0.124
Phenanthrene	µg/g	<0.05	<0.05	-	<0.05	<0.05	-	<0.05	13
Pyrrene	µg/g	0.09	<0.1	-	<0.05	<0.05	-	<0.05	96
PHC Fractions F1 to F4									
F1 (C6-C11) - Less BTEX ⁵	µg/g	<10	<10	-	<10	<10	-	<10	55
F2 (C10-C16)	µg/g	<2	<2	-	<2	<2	-	<2	230
F3 (C15-C34)	µg/g	>20	30	-	>20	>20	-	>20	20
F4 (C34+C5)	µg/g	>20	20	-	>20	>20	-	>20	3300
Ground Chemistry									
pH - Ga.C _i	pH Units	7.03	5.75	7.30	6.20	7.15	7.18	7.14	7.40
Cyanide (Free)	µg/g	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	0.051
Electrical Conductivity (EC)	mS/cm	0.12	0.45	-	0.12	0.18	-	0.28	1.4
Sodium Adsorption Ratio (SAR)	-	0.47	1.62	-	1.13	0.24	-	0.56	0.30
Grain Size % > 75 µm	%	-	-	37.3	-	-	42.80	-	-
Grain Size Characterization	-	-	-	Medium/Fine	-	-	Medium/Fine	-	-

¹All sample depths are recorded as "metres below grade".

²Headspace readings are conducted using an RKI-Eagle II COV meter. Results are reported in parts per million (ppm) or lower explosive limit (LEL).

³Ministry of the Environment Conservation and Parks, "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", dated April 15, 2011 - Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for "commercial/industrial" land use and "coarse" textured soil.

⁴Total Xylene values are given as the sum of the m+p-Xylene and o-Xylene values.

⁵F1 values represent the results for the C6 - C10 hydrocarbon fraction, with the BTEX results subtracted.

Shaded Cells - Result exceeds MECP Table 3 SCS.

TABLE 2 - SOIL ANALYTICAL RESULTS
Phase II Environmental Site Assessment
10, 29 & 35 Canal Drive, Sault Ste. Marie, Ontario

											STANDARDS, CRITERIA & OBJECTIVES	
Sample ID		TP12-1	TP13-4	TP14-2	TP14-7	TP15-3	TP16-3	TP16-6	TP17-3	TP17-4		
Date Sampled (mm/dd/yyyy)	10/31/2023	Laboratory Sample #	1709836	Sample Location	TP12	TP/MW13	TP14	TP/MW15	TP16	TP/MW17	TP/MW17	
Sample Depth (m ^b)	0.0 - 0.6	Combustible Organic Vapor Reading ^a	0/0	Sample Visual Observation	10/21	0/1	0/0	0/27	0/0	0/0	5/0	
PARAMETER	UNITS	Brown, coarse grained sand and gravel fill, wet, no PHC odours or staining	Reddish brown, fine grained silty sand and gravel with trace sand stone fill, moist, slight PHC odour, no staining	Black, sand and gravel with silt, damp, no PHC odours or staining	Brown, coarse grained sand and gravel with debris fill, wet, PHC odours and sheen	Black, fine grained silt fill, damp, PHC odours, no staining	Black, medium grained silt with sand and gravel and cinders, wet, no PHC odours or staining	Brown, medium grained silt with gravel and cinders, wet, no PHC odours or staining	Black silt gravel and cinder fill, damp, no PHC odours or staining	Light brown, fine grained silty sand, wet, no PHC odours or staining	MECP Table 3 SCS ³	MECP Table 9 SCS ³
Volatile Organic Compounds												
Acetone	µg/g	<0.50	<0.50	-	<0.50	<0.50	<0.50	-	-	<0.50	16	0.5
Benzene	µg/g	<0.0068	<0.0068	-	<0.0068	<0.0068	<0.0068	-	-	<0.0068	0.32	0.02
Bromodichloromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	18	0.05
Bromoform	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.61	0.05
Bromomethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.05	0.05
Carbon Tetrachloride	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.21	0.05
Chlorobenzene	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	2.4	0.05
Chloroform	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.47	0.05
Dibromo-chloromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	13	0.05
Dichlorobenzene, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	6.8	0.05
Dichlorobenzene, 1,3-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	9.6	0.05
Dichlorobenzene, 1,4-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.2	0.05
Dichlorodifluoromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	16	0.05
Dichloroethane, 1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	17	0.05
Dichloroethane, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.05	0.05
Dichloroethylene, 1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.064	0.05
Dichloroethylene, 1,2-cis-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	55	0.05
Dichloroethylene, 1,2-trans-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	1.3	0.05
Dichloropropane, 1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.16	0.05
Dichloropropene, 1,3-cis + trans-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.18	0.05
Ethylbenzene	µg/g	<0.018	<0.018	-	<0.018	<0.018	<0.018	-	-	<0.018	9.5	0.05
Ethylene dibromide	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.05	0.05
Hexane (n)	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	46	0.05
Methyl Ethyl Ketone	µg/g	<0.50	<0.50	-	<0.50	<0.50	<0.50	-	-	<0.50	70	0.5
Methyl Isobutyl Ketone	µg/g	<0.50	<0.50	-	<0.50	<0.50	<0.50	-	-	<0.50	31	0.5
Methyl tert-Butyl Ether (MTBE)	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	11	0.05
Methylene Chloride	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	1.6	0.05
Styrene	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	34	0.05
Tetrachloroethane, 1,1,1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.087	0.05
Tetrachloroethane, 1,1,2,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.05	0.05
Tetrachloroethylene	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	4.5	0.05
Toluene	µg/g	<0.08	<0.08	-	<0.08	<0.08	<0.08	-	-	<0.08	68	0.2
Trichloroethane, 1,1,1-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	6.1	0.05
Trichloroethane, 1,1,2-	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.05	0.05
Trichloroethylene	µg/g	<0.01	<0.01	-	<0.01	<0.01	<0.01	-	-	<0.01	0.91	0.05
Trichlorofluoromethane	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	4	0.25
Vinyl Chloride	µg/g	<0.02	<0.02	-	<0.02	<0.02	<0.02	-	-	<0.02	0.032	0.02
Xylenes ^c	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	26	0.05
Metals												
Antimony	µg/g	<1	<1	-	3	1	2	-	-	<1	40	1.3
Arsenic	µg/g	4	3	-	54	33	17	-	-	2	18	18
Barium	µg/g	50	40	-	37	505	261	-	-	20	670	220
Beryllium	µg/g	<1	<1	-	4	5	<1	-	-	<1	8	2.5
Boron (Total)	µg/g	6	7	-	33	18	<5	-	-	<5	120	36
Boron (Hot Water Soluble)	µg/g	<0.5	<0.5	-	1.2	0.6	<0.5	-	-	0.9	2	1.5
Cadmium	µg/g	<0.4	<0.4	-	2.0	0.5	<0.4	-	-	<0.4	1.9	1.2
Chromium (Total)	µg/g	88	21	-	106	35	49	-	-	11	160	70
Chromium (VI)	µg/g	0.29	<0.20	-	0.37	<0.20	<0.20	-	-	<0.20	8	0.66
Cobalt	µg/g	6	3	-	210	10	5	-	-	3	80	22
Copper	µg/g	32	12	-	1640	76	116	-	-	7	230	92
Lead	µg/g	14	15	-	269	43	81	-	-	6	120	120
Mercury	µg/g	<0.1	<0.1	-	0.4	0.2	0.2	-	-	<0.1	3.9	0.27
Molybdenum	µg/g	2	<1	-	3	3	5	-	-	<1	40	2
Nickel	µg/g	36	12	-	990	33	17	-	-	8	270	82
Selenium	µg/g	0.9	1.1	-	4.9	6	7.2	-	-	<0.5	5.5	1.5
Silver	µg/g	<0.2	<0.2	-	0.6	<0.2	<0.2	-	-	<0.2	40	0.5
Thallium	µg/g	<1	<1	-	<1	<1	<1	-	-	<1	3.3	1
Uranium	µg/g	0.9	1.3	-	4.9	1.5	2.3	-	-	0.6	33	2.5
Vanadium	µg/g	40	24	-	23	44	32	-	-	14	86	86
Zinc	µg/g	34	26	-	3400	110	12	-	-	15	340	290
Polyyclic Aromatic Hydrocarbons												
Acenaphthene	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	96	0.072
Acenaphthylene	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.15	0.093
Anthracene	µg/g	<0.05	<0.05	-	0.08	<0.05	<0.05	-	-	<0.05	0.67	0.22
Benz[a]anthracene	µg/g	<0.05	<0.05	-	0.20	0.05	<0.05	-	-	<0.05	0.96	0.36
Benzol[al]pyrene	µg/g	<0.05	<0.05	-	0.14	<0.05	<0.05	-	-	<0.05	0.3	0.3
Benzol[bifluoranthene	µg/g	<0.05	<0.05	-	0.14	0.06	<0.05	-	-	<0.05	0.96	0.47
Benzol[ghi]perylene	µg/g	<0.05	<0.05	-	0.06	<0.05	<0.05	-	-	<0.05	9.6	0.68
Benzol[k]fluoranthene	µg/g	<0.05	<0.05	-	0.07	<0.05	<0.05	-	-	<0.05	0.96	0.48
Chrysene	µg/g	<0.05	<0.05	-	0.20	0.08	<0.05	-	-	<0.05	9.6	2.8
Dibenzo[a]bifluoranthene	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	0.1	0.1
Fluoranthene	µg/g	<0.05	<0.05	-	0.30	0.12	<0.05	-	-	<0.05	9.6	0.69
Fluorene	µg/g	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	-	<0.05	62	0.19
Indeno[1,2,3-cd]pyrene	µg/g	<0.05	<0.05	-	0.06	<0.05	<0.05	-	-	<0.05	0.76	0.23
Methylaphthalene, 1 + 2-	µg/g	<0.05	<0.05	-	0.47	0.16	<0.05	-	-	<0.05	76	0.59
Methylaphthalene, 1-	µg/g	<0.05	<0.05	-	0.19	0.08	<0.05	-	-	<0.05	76	0.59
Methylaphthalene, 2-	µg/g	<0.05	<0.05	-	0.28	0.08	<0.05	-	-	<0.05	76	0.59
Naphthalene	µg/g	<0.013	0.030	-	0.218	0.075	<0.013	-	-	<0.013	9.6	0.09
Pheanthrene	µg/g	<0.05	<0.05	-	0.21	0.11	<0.05	-	-	<0.05	12	0.69
Pyrene	µg/g	<0.05	<0.1	-	0.25	0.09	<0.05	-	-	<0.05	96	1
PHC Fractions F1 to F4												
F1-(C6-C10) - Less BTEx ^b	µg/g	<10	<10	-	<10	<10	<10	-	-	<10	55	10
F2-(C10-C19)	µg/g	<2	3	-	10	32	<2	-	-	<2	230	10
F3-(C16-C34)	µg/g	40	40	-	600	170	670	-	-	40	1700	50
F4-(C34+)	µg/g	<20	20	-	120	30	300	-	-	<20	3300	50
General Chemistry												

Sample ID	TP18-4	BH19-7	BH20-4	STANDARDS, CRITERIA & OBJECTIVES
Date Sampled (mm/dd/yyyy)	11/2/2023	11/2/2023	11/2/2023	
Laboratory Sample #	1709842	1709843	1709844	
Sample Location	BH/MW18	BH/MW19	BH20	
Sample Depth (mbg ¹)	2.4 - 3.1	3.7 - 4.3	1.8 - 2.4	
Combustible Organic Vapor Reading ²	O/1	80/0	230/01	
Sample Visual Observation				MECP Table 3 SCS ³
PARAMETER	UNITS			
		Light brown, fine grained silt, wet, no PHC odours or staining	Light brown, fine grained silt, wet, no PHC odours or staining	Black, coarse grained sand and gravel with cinders fill, wet, no PHC odours or staining
Volatile Organic Compounds				
Acetone	µg/g	<0.50	<0.50	16
Benzene	µg/g	<0.0068	<0.0068	0.0468
Bromodichloromethane	µg/g	<0.05	<0.05	0.05
Bromoform	µg/g	<0.05	<0.05	0.05
Bromomethane	µg/g	<0.05	<0.05	0.05
Carbon Tetrachloride	µg/g	<0.05	<0.05	0.05
Chlorobenzene	µg/g	<0.05	<0.05	0.05
Chloroform	µg/g	<0.05	<0.05	0.05
Dibromochloromethane	µg/g	<0.05	<0.05	0.05
Dichlorobenzene, 1,2-	µg/g	<0.05	<0.05	0.05
Dichlorobenzene, 1,3-	µg/g	<0.05	<0.05	0.05
Dichlorobenzene, 1,4-	µg/g	<0.05	<0.05	0.05
Dichlorodifluoromethane	µg/g	<0.05	<0.05	0.05
Dichloroethane, 1,1-	µg/g	<0.05	<0.05	0.05
Dichloroethane, 1,2-	µg/g	<0.05	<0.05	0.05
Dichloroethylene, 1,1-	µg/g	<0.05	<0.05	0.05
Dichloroethylene, 1,2-cis-	µg/g	<0.05	<0.05	0.05
Dichloroethylene, 1,2-trans-	µg/g	<0.05	<0.05	0.05
Dichloropropene, 1,2-	µg/g	<0.05	<0.05	0.05
Dichloropropene, 1,3-cis + trans-	µg/g	<0.05	<0.05	0.05
Ethylbenzene	µg/g	<0.018	<0.018	0.018
Ethylene dibromide	µg/g	<0.05	<0.05	0.05
Hexane (n)	µg/g	<0.05	<0.05	0.05
Methyl Ethyl Ketone	µg/g	<0.50	<0.50	0.50
Methyl Isobutyl Ketone	µg/g	<0.50	<0.50	0.50
Methyl tert-Butyl Ether (MTBE)	µg/g	<0.05	<0.05	0.05
Methylene Chloride	µg/g	<0.05	<0.05	0.05
Styrene	µg/g	<0.05	<0.05	0.05
Tetrachloroethane, 1,1,1,2-	µg/g	<0.05	<0.05	0.05
Tetrachloroethane, 1,1,2,2-	µg/g	<0.05	<0.05	0.05
Tetrachloroethylene	µg/g	<0.05	<0.05	0.05
Toluene	µg/g	<0.08	<0.08	0.08
Trichloroethane, 1,1,1-	µg/g	<0.05	<0.05	0.05
Trichloroethane, 1,1,2-	µg/g	<0.05	<0.05	0.05
Trichloroethylene	µg/g	<0.01	<0.01	0.01
Trichlorofluoromethane	µg/g	<0.05	<0.05	0.05
Vinyl Chloride	µg/g	<0.02	<0.02	0.02
Xylenes ⁴	µg/g	<0.05	<0.05	0.05
Metals				
Antimony	µg/g	<1	<1	2
Arsenic	µg/g	1	2	160
Barium	µg/g	28	13	248
Beryllium	µg/g	<1	<1	2
Boron (Total)	µg/g	<5	<5	21
Boron (Hot Water Soluble)	µg/g	<0.5	<0.5	0.5
Cadmium	µg/g	<0.4	<0.4	0.4
Chromium (Total)	µg/g	14	27	82
Chromium (VI)	µg/g	0.38	0.27	0.33
Cobalt	µg/g	3	2	9
Copper	µg/g	8	7	51
Lead	µg/g	4	4	90
Mercury	µg/g	<0.1	<0.1	0.1
Molybdenum	µg/g	<1	<1	7
Nickel	µg/g	8	13	37
Selenium	µg/g	0.5	1.0	1.4
Silver	µg/g	<0.2	<0.2	0.2
Thallium	µg/g	<1	<1	1
Uranium	µg/g	0.7	0.6	1.0
Vanadium	µg/g	19	21	36
Zinc	µg/g	19	9	83
Polycyclic Aromatic Hydrocarbons				
Acenaphthene	µg/g	<0.05	<0.05	0.05
Acenaphthylene	µg/g	<0.05	<0.05	0.05
Anthracene	µg/g	<0.05	<0.05	0.05
Benz[a]anthracene	µg/g	<0.05	<0.05	0.05
Benz[al]pyrene	µg/g	<0.05	<0.05	0.05
Benz[ol]fluoranthene	µg/g	<0.05	<0.05	0.05
Benz[ghi]perylene	µg/g	<0.05	<0.05	0.05
Benz[ol]fluoranthene	µg/g	<0.05	<0.05	0.05
Chrysene	µg/g	<0.05	<0.05	0.05
Dibenz[a]anthracene	µg/g	<0.05	<0.05	0.05
Fluoranthene	µg/g	<0.05	<0.05	0.05
Fluorene	µg/g	<0.05	<0.05	0.05
Indeno[1,2,3-cd]pyrene	µg/g	<0.05	<0.05	0.05
Methyl[ah]phthalene, 1 + 2-	µg/g	<0.05	<0.05	0.22
Methyl[ah]phthalene, 1-	µg/g	<0.05	<0.05	0.10
Methyl[ah]phthalene, 2-	µg/g	<0.05	<0.05	0.12
Naphthalene	µg/g	<0.013	<0.013	0.075
Phenanthrene	µg/g	<0.05	<0.05	0.06
Pyrene	µg/g	<0.05	<0.05	0.05
PHC Fractions F1 to F4				
F1 (C6-C10) - Less BTEX ⁵	µg/g	<10	<10	55
F2 (C10-C16)	µg/g	<2	<2	230
F3 (C16-C24)	µg/g	<20	<20	1700
F4 (C34+)	µg/g	<20	<20	3300
General Chemistry				
pH - CaCl ₂	pH Units	6.95	7.06	7.35
Cyanide (Free)	µg/g	<0.005	<0.005	<0.005
Electrical Conductivity (EC)	mS/cm	0.12	0.12	0.21
Sodium Adsorption Ratio (SAR)	-	1.06	0.61	2.28
Grain Size % > 75 um	%	-	-	-
Grain Size Characterization	-	-	-	-

¹All sample depths are recorded as "metres below grade".

²Headspace readings are conducted using an RKI-Eagle II COV meter. Results are reported in parts per million (ppm) or lower explosive limit (LEL).

³Ministry of the Environment Conservation and Parks, "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", dated April 15, 2011 - Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for "commercial/industrial" land use and "coarse" textured soil.

⁴Total Xylene values are given as the sum of the m+p-Xylene and o-Xylene values.

⁵F1 values represent the results for the C6 - C10 hydrocarbon fraction, with the BTEX results subtracted.

Shaded Cells - Result exceeds MECP Table 3 SCS.

Sample ID	MW1	MW3	MW5	MW7	MW8	MW11	MW13	MW15	MW17	MW18	MW19		STANDARDS, CRITERIA & OBJECTIVES		
Date Sampled (mm/dd/yyyy)	11/14/2023	11/14/2023	11/14/2023	11/14/2023	11/14/2023	11/13/2023	11/13/2023	11/13/2023	11/13/2023	11/13/2023	11/13/2023				
Laboratory Sample #	1711045	1711046	1711047	1711048	1711049	1711050	1711051	1711055	1711057	1711053	1711054				
Monitoring Well Location ID	TP/MW1	TP/MW3	TP/MW5	TP/MW7	TP/MW8	TP/MW11	TP/MW13	TP/MW15	TP/MW17	BH/MW18	BH/MW19				
Sample Visual Observation															
PARAMETER	UNITS	Clear, no PHC odours or sheen.	Clear, no PHC odours or sheen.	Slight yellowish colour, PHC odour, no PHC sheen.	Clear, no PHC odours or sheen.	Clear, no PHC odours or sheen.	Sulphurous odour, no PHC sheen.	Clear, no PHC odours or sheen.	Clear, no PHC odours or sheen.	Clear, no PHC odours or sheen.	White opaque colour, high sediment content, no PHC odours or sheen.	Brown opaque colour, high sediment content, no PHC odours or sheen.	MECP Table 3 SCS ¹	MECP Table 9 SCS ²	
Volatile Organic Compounds															
Acetone	µg/L	<5	<5	233	84	<5	<5	105	<5	153	<5	<5	130000	100000	
Benzene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	44	44	
Bromodichloromethane	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	85000	67000	
Bromoform	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	380	380	
Bromomethane	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.6	5.6	
Carbon Tetrachloride	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.79	0.79	
Chlorobenzene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	630	500	
Chloroform	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.4	2.4	
Dibromochloromethane	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	82000	65000	
Dichlorobenzene, 1,2-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	4600	4600	
Dichlorobenzene, 1,3-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	9600	7600	
Dichlorobenzene, 1,4-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	8	8	
Dichlorodifluoromethane	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4400	3500	
Dichloroethane, 1,1-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	320	320	
Dichloroethane, 1,2-	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	1.6	
Dichloroethylene, 1,1-	µg/L	<0.5	<0.5	7.4	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	1.6	
Dichloroethylene, 1,2-clis-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	1.6	1.6	
Dichloroethylene, 1,2-trans-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	1.6	1.6	
Dichloropropane, 1,2-	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16	16	
Dichloropropene, 1,3-	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.2	5.2	
Ethylbenzene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2300	1800	
Ethylene dibromide	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.25	0.25	
Hexane (n)	µg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	51	51	
Methyl Ethyl Ketone	µg/L	<2	<2	17	<2	<2	<2	<2	<2	<2	<2	<2	470000	470000	
Methyl Isobutyl Ketone	µg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	140000	140000	
Methyl tert-Butyl Ether (MTBE)	µg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	190	190	
Methylene Chloride	µg/L	<4.0	<4.0	8.6	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	610	610	
Styrene	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1300	1300	
Tetrachloroethane, 1,1,1,2-	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.3	3.3	
Tetrachloroethane, 1,1,2,2-	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	3.2	3.2	
Tetrachloroethylene	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.6	1.6	
Toluene	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	18000	14000	
Trichloroethane, 1,1,1-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	640	640	
Trichloroethane, 1,1,2-	µg/L	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	4.7	4.7	
Trichloroethylene	µg/L	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	1.6	1.6	
Trichlorofluoromethane	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2500	2000	
Vinyl Chloride	µg/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.5	0.5	
Xylenes ³	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4200	3300	
Polyyclic Aromatic Hydrocarbons															
Acenaphthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	600	600	
Acenaphthylene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.8	1.4	
Anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.4	1	
Benz[a]anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	4.7	1.8	
Benzol[a]pyrene	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	1.43	0.22	<0.01	0.81	
Benzol[b]fluoranthene	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.50	0.28	<0.05	0.75	
Benzol[g]phenylene	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.95	0.18	<0.05	0.4	
Chrysene	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.90	0.22	<0.05	1	
Dibenzo [a,h]anthracene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.52	0.4	
Fluoranthene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.2	0.3	0.1	0.3	
Fluorene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	0.4	0.7	
Indeno[1,2,3- <i>cd</i>]pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	0.1	<0.1	0.2	
Methylnaphthalene, 1 + 2-	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	1800	610	
Methylnaphthalene, 1-	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	1800	610	
Methylnaphthalene, 2-	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1	1800	610	
Naphthalene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	1400	1400	
Phenanthrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	580	380	
Pyrene	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.6	0.3	<0.1	68	57
Metals															
Antimony	µg/L	<0.5	<0.5	1.3	2.8	<0.5	<0.5	0.5	<0.5	1.5	1.0	1.1	20000	16000	
Arsenic	µg/L	3	6	9	19	2	25	11	7	10	1	3	1900	1500	
Barium	µg/L	180	310	290	280	70	370	80	190	310	90	160	29000	23000	
Beryllium	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	67	53	
Boron (total)	µg/L	180	180	70	210	280	260	200	280	260	170	70	45000	36000	
Cadmium	µg/L	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	2.7	2.1	
Chromium Total	µg/L	<1	<1	1	<1	<1	<1	<1	<1	<1	2	1	810	640	
Chromium (IV)	µg/L	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10	140	110	
Cobalt	µg/L	5.8	1.9	7.2	11.6	14.3	0.3	2.6	1.8	6.6					



E23013
December 12, 2023

APPENDIX D – LABORATORY CERTIFICATES OF ANALYSIS

Client: Greenstone Engineering Ltd.
53 Parkwood Drive
Sault Ste. Marie, ON
P6A 5K6

Attention: Christian Tenaglia
Invoice to: Greenstone Engineering Ltd.
PO#:

Report Number: 3002933
Date Submitted: 2023-11-07
Date Reported: 2023-11-14
Project: E23013
COC #: 226346
Temperature (C): 9
Custody Seal:

Page 1 of 48

Dear Christian Tenaglia:

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

Sample Comment Summary

Sample ID: 1709823 TP2-4 Pyrene MRL elevated due to matrix interference . Cr(VI) result confirmed with second analysis.

Sample ID: 1709830 TP7-6 Pyrene MRL elevated due to matrix interference .

Sample ID: 1709837 TP13-4 Pyrene MRL elevated due to matrix interference .

Report Comments:

Raheleh Zafari, Environmental Chemist

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

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

O.Reg 153-T3-Ind/Com-Coarse

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria
Inorganics				
TP14-7	Electrical Conductivity	1.41	mS/cm	STD 1.4
TP16-3	Electrical Conductivity	1.42	mS/cm	STD 1.4
Metals				
BH20-4	Arsenic	160	ug/g	STD 18
TP10-2	Arsenic	28	ug/g	STD 18
TP10-2	Boron (Hot Water Soluble)	2.3	ug/g	STD 2
TP11-5	Arsenic	21	ug/g	STD 18
TP11-5	Copper	249	ug/g	STD 230
TP1-4	Arsenic	38	ug/g	STD 18
TP1-4	Lead	697	ug/g	STD 120
TP14-7	Arsenic	54	ug/g	STD 18
TP14-7	Cadmium	2.0	ug/g	STD 1.9
TP14-7	Cobalt	210	ug/g	STD 80
TP14-7	Copper	1640	ug/g	STD 230
TP14-7	Nickel	990	ug/g	STD 270
TP14-7	Lead	269	ug/g	STD 120
TP14-7	Zinc	3400	ug/g	STD 340
TP15-3	Arsenic	33	ug/g	STD 18
TP15-3	Selenium	6	ug/g	STD 5.5
TP16-3	Selenium	7.2	ug/g	STD 5.5
TP2-4	Arsenic	27	ug/g	STD 18
TP2-4	Boron (Hot Water Soluble)	2.6	ug/g	STD 2
TP2-4	Chromium Total	235	ug/g	STD 160
TP3-5	Boron (Hot Water Soluble)	2.4	ug/g	STD 2
TP7-2	Arsenic	26	ug/g	STD 18
TP7-2	Copper	582	ug/g	STD 230
TP7-2	Lead	138	ug/g	STD 120
TP7-6	Boron (Hot Water Soluble)	7.5	ug/g	STD 2
TP9-1	Boron (Hot Water Soluble)	2.3	ug/g	STD 2
PAH				
TP1-4	Benzo[a]pyrene	0.64	ug/g	STD 0.3
TP1-4	Dibenz[a h]anthracene	0.11	ug/g	STD 0.1

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709822 Soil153	1709823 Soil153	1709824 Soil153	1709825 Soil153
					Sample Matrix	2023-10-27	2023-10-27	2023-10-27	2023-10-27
					Sample Type				
					Sample Date				
					Sampling Time				
					Sample I.D.				
PHC's F1	451928	10	ug/g	STD 55	TP1-4	10	<10	<10	<10
PHC's F1-BTEX	451933	10	ug/g			<10	<10	<10	<10
PHC's F2	452025	2	ug/g	STD 230			4		3
	452033	2	ug/g	STD 230	3			<2	
PHC's F2-Naph	452176	2	ug/g			3	4	<2	3
PHC's F3	452025	20	ug/g	STD 1700			140		<20
	452033	20	ug/g	STD 1700	50			<20	
PHC's F3-PAH	452177	20	ug/g			50	140	<20	<20
PHC's F4	452025	20	ug/g	STD 3300			60		<20
	452033	20	ug/g	STD 3300	30			<20	

Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
					Sample Matrix	2023-10-27	2023-10-27	2023-10-31	2023-10-31	2023-10-31
					Sample Type					
					Sample Date					
					Sampling Time					
					Sample I.D.					
PHC's F1	451928	10	ug/g	STD 55	TP5-4	<10	10	<10	<10	<10
PHC's F1-BTEX	451933	10	ug/g			<10	<10	<10	<10	<10
PHC's F2	452025	2	ug/g	STD 230				<2	<2	
	452033	2	ug/g	STD 230	7	5				<2
PHC's F2-Naph	452176	2	ug/g			7	5	<2	<2	<2
PHC's F3	452025	20	ug/g	STD 1700				<20	30	
	452033	20	ug/g	STD 1700	20	30				<20
PHC's F3-PAH	452177	20	ug/g			<20	30	<20	30	<20
PHC's F4	452025	20	ug/g	STD 3300				<20	20	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
PHC's F4	452033	20	ug/g	STD 3300	2023-10-27 TP5-4	2023-10-27 TP6-5	2023-10-31 TP7-2	2023-10-31 TP7-6	2023-10-31 TP8-7	
<u>Hydrocarbons</u>										
Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709833 Soil153	1709834 Soil153	1709835 Soil153	1709836 Soil153	
PHC's F1	451928	10	ug/g	STD 55	2023-10-31 TP9-1	2023-10-31 TP10-2	2023-10-31 TP11-5	2023-10-31 TP12-1		
PHC's F1-BTEX	451933	10	ug/g		<10	<10	<10	<10	<10	
PHC's F2	452025	2	ug/g	STD 230	<2		4	<2		
	452033	2	ug/g	STD 230		<2				
PHC's F2-Naph	452176	2	ug/g		<2	<2	4	<2		
PHC's F3	452025	20	ug/g	STD 1700	<20		30	40		
	452033	20	ug/g	STD 1700		20				
PHC's F3-PAH	452177	20	ug/g		<20	20	30	40		
PHC's F4	452025	20	ug/g	STD 3300	<20		<20	<20	<20	
	452033	20	ug/g	STD 3300		<20				

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse

Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709837 Soil153	1709838 Soil153	1709839 Soil153	1709840 Soil153	1709841 Soil153
PHC's F1	451928	10	ug/g	STD 55	<10	<10	<10	<10	<10	<10
PHC's F1-BTEX	451933	10	ug/g		<10	<10	<10	<10	<10	<10
PHC's F2	452025	2	ug/g	STD 230		10	32			<2
	452033	2	ug/g	STD 230	3					
	452141	2	ug/g	STD 230						<2
PHC's F2-Naph	452176	2	ug/g		3	10	32	<2	<2	<2
PHC's F3	452025	20	ug/g	STD 1700		600	170			40
	452033	20	ug/g	STD 1700	40					
	452141	20	ug/g	STD 1700					670	
PHC's F3-PAH	452177	20	ug/g		40	600	170	670	40	
PHC's F4	452025	20	ug/g	STD 3300		120	30			<20
	452033	20	ug/g	STD 3300	20					
	452141	20	ug/g	STD 3300					300	

Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709842 Soil153	1709843 Soil153	1709844 Soil153
PHC's F1	451928	10	ug/g	STD 55	<10	<10	10	
PHC's F1-BTEX	451933	10	ug/g		<10	<10	<10	
PHC's F2	452025	2	ug/g	STD 230				7
	452033	2	ug/g	STD 230	<2	<2		
PHC's F2-Naph	452176	2	ug/g		<2	<2	7	
PHC's F3	452025	20	ug/g	STD 1700				50

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Hydrocarbons

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709842 Soil153	1709843 Soil153	1709844 Soil153
PHC's F3	452033	20	ug/g	STD 1700	<20	<20		
PHC's F3-PAH	452177	20	ug/g		<20	<20	50	
PHC's F4	452025	20	ug/g	STD 3300			<20	
	452033	20	ug/g	STD 3300	<20	<20		

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709822 Soil153	1709823 Soil153	1709824 Soil153	1709825 Soil153
						2023-10-27	2023-10-27	2023-10-27	2023-10-27
Antimony	452084	1	ug/g	STD 40	5	1	<1	<1	
Arsenic	452084	1	ug/g	STD 18	38*	27*	2	18	
Barium	452084	1	ug/g	STD 670	224	434	30	84	
Beryllium	452084	1	ug/g	STD 8	1	<1	<1	<1	
Boron (Hot Water Soluble)	452126	0.5	ug/g	STD 2	0.6	2.6*	2.4*	0.6	
Boron (total)	452084	5	ug/g	STD 120	16	20	<5	11	
Cadmium	452084	0.4	ug/g	STD 1.9	0.5	<0.4	<0.4	<0.4	
Chromium Total	452084	1	ug/g	STD 160	62	235*	14	90	
Chromium VI	452131	0.20	ug/g	STD 8	<0.20	7.39	0.61	<0.20	
Cobalt	452084	1	ug/g	STD 80	22	9	3	9	
Copper	452084	1	ug/g	STD 230	151	64	11	32	
Lead	452084	1	ug/g	STD 120	697*	62	6	17	
Mercury	452084	0.1	ug/g	STD 3.9	1.6	0.2	<0.1	0.3	
Molybdenum	452084	1	ug/g	STD 40	3	6	<1	3	
Nickel	452084	1	ug/g	STD 270	77	48	8	55	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709822 Soil153	1709823 Soil153	1709824 Soil153	1709825 Soil153
					Sample Matrix	2023-10-27	2023-10-27	2023-10-27	2023-10-27
					Sample Type				
					Sample Date				
					Sampling Time				
					Sample I.D.				
Selenium	452084	0.5	ug/g	STD 5.5	TP1-4	2.8	2.1	<0.5	1.2
Silver	452084	0.2	ug/g	STD 40	TP2-4	<0.2	<0.2	<0.2	<0.2
Thallium	452084	1	ug/g	STD 3.3	TP3-5	<1	<1	<1	<1
Uranium	452084	0.5	ug/g	STD 33	TP4-3	0.8	0.6	0.7	1.4
Vanadium	452084	2	ug/g	STD 86	23	18	22	18	
Zinc	452084	2	ug/g	STD 340	174	78	22	26	

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
					Sample Matrix	2023-10-27	2023-10-27	2023-10-31	2023-10-31	2023-10-31
					Sample Type					
					Sample Date					
					Sampling Time					
					Sample I.D.					
Antimony	452084	1	ug/g	STD 40	TP5-4	<1	<1	2	<1	<1
Arsenic	452084	1	ug/g	STD 18	TP6-5	3	16	26*	3	1
Barium	452084	1	ug/g	STD 670	TP7-2	38	66	596	50	24
Beryllium	452084	1	ug/g	STD 8	TP7-6	<1	<1	3	<1	<1
Boron (Hot Water Soluble)	452126	0.5	ug/g	STD 2	TP8-7	<0.5	0.5	0.6	7.5*	0.8
Boron (total)	452084	5	ug/g	STD 120	12	<5	12	20	10	<5
Cadmium	452084	0.4	ug/g	STD 1.9	20	<0.4	<0.4	0.7	<0.4	<0.4
Chromium Total	452084	1	ug/g	STD 160	24	56	84	47	20	12
Chromium VI	452131	0.20	ug/g	STD 8	26	<0.20	<0.20	<0.20	0.36	<0.20
Cobalt	452084	1	ug/g	STD 80	27	4	9	22	4	3
Copper	452084	1	ug/g	STD 230	28	12	26	582*	20	6
Lead	452084	1	ug/g	STD 120	29	12	5	138*	26	3
Mercury	452084	0.1	ug/g	STD 3.9	30	<0.1	<0.1	0.3	<0.1	<0.1

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
Molybdenum	452084	1	ug/g	STD 40	2023-10-27 TP5-4	<1	4	4	<1	<1
Nickel	452084	1	ug/g	STD 270	2023-10-27 TP6-5	27	50	33	12	7
Selenium	452084	0.5	ug/g	STD 5.5	2023-10-31 TP7-2	0.6	1.9		1.0	0.9
	452119	1	ug/g	STD 5.5	2023-10-31 TP8-7			3		
Silver	452084	0.2	ug/g	STD 40	2023-10-31 TP8-7	<0.2	<0.2	<0.2	<0.2	<0.2
Thallium	452084	1	ug/g	STD 3.3	2023-10-31 TP8-7	<1	<1	<1	<1	<1
Uranium	452084	0.5	ug/g	STD 33	2023-10-31 TP8-7	1.0	0.7	1.7	2.0	0.7
Vanadium	452084	2	ug/g	STD 86	2023-10-31 TP8-7	20	16	43	31	16
Zinc	452084	2	ug/g	STD 340	2023-10-31 TP8-7	43	33	145	30	15

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709833 Soil153	1709834 Soil153	1709835 Soil153	1709836 Soil153
Antimony	452084	1	ug/g	STD 40	2023-10-31 TP9-1	<1	<1	2	<1
Arsenic	452084	1	ug/g	STD 18	2023-10-31 TP10-2	17	28*	21*	4
Barium	452084	1	ug/g	STD 670	2023-10-31 TP10-2	390	460	476	50
Beryllium	452084	1	ug/g	STD 8	2023-10-31 TP11-5	3	2	<1	<1
Boron (Hot Water Soluble)	452126	0.5	ug/g	STD 2	2023-10-31 TP11-5	2.3*	2.3*	0.7	<0.5
Boron (total)	452084	5	ug/g	STD 120	2023-10-31 TP12-1	17	22	28	6
Cadmium	452084	0.4	ug/g	STD 1.9	2023-10-31 TP12-1	<0.4	0.5	<0.4	<0.4
Chromium Total	452084	1	ug/g	STD 160	2023-10-31 TP12-1	20	34	80	88
Chromium VI	452131	0.20	ug/g	STD 8	2023-10-31 TP12-1	<0.20	<0.20	<0.20	0.29
Cobalt	452084	1	ug/g	STD 80	2023-10-31 TP12-1	12	9	8	6

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1709833 Soil153 2023-10-31 TP9-1	1709834 Soil153 2023-10-31 TP10-2	1709835 Soil153 2023-10-31 TP11-5	1709836 Soil153 2023-10-31 TP12-1
Copper	452084	1	ug/g	STD 230	206	96	249*	32	
Lead	452084	1	ug/g	STD 120	17	45	51	14	
Mercury	452084	0.1	ug/g	STD 3.9	0.2	0.2	<0.1	<0.1	
Molybdenum	452084	1	ug/g	STD 40	1	2	3	2	
Nickel	452084	1	ug/g	STD 270	22	46	55	36	
Selenium	452084	0.5	ug/g	STD 5.5			2.6	0.9	
	452119	1	ug/g	STD 5.5	2	2			
Silver	452084	0.2	ug/g	STD 40	<0.2	<0.2	<0.2	<0.2	
Thallium	452084	1	ug/g	STD 3.3	<1	<1	<1	<1	
Uranium	452084	0.5	ug/g	STD 33	1.4	0.9	1.4	0.9	
Vanadium	452084	2	ug/g	STD 86	39	33	22	40	
Zinc	452084	2	ug/g	STD 340	65	134	59	34	

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1709837 Soil153 2023-10-31 TP13-4	1709838 Soil153 2023-11-01 TP14-7	1709839 Soil153 2023-11-01 TP15-3	1709840 Soil153 2023-11-01 TP16-3	1709841 Soil153 2023-11-01 TP17-4
Antimony	452084	1	ug/g	STD 40	<1	3	1	2	<1	
Arsenic	452084	1	ug/g	STD 18	3	54*	33*	17	2	
Barium	452084	1	ug/g	STD 670	40	37	505	261	20	
Beryllium	452084	1	ug/g	STD 8	<1	4	5	<1	<1	
Boron (Hot Water Soluble)	452126	0.5	ug/g	STD 2	<0.5	1.2	0.6	<0.5	0.9	
Boron (total)	452084	5	ug/g	STD 120	7	33	18	<5	<5	
Cadmium	452084	0.4	ug/g	STD 1.9	<0.4	2.0*	0.5	<0.4	<0.4	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709837	1709838	1709839	1709840	1709841
					Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
Chromium Total	452084	1	ug/g	STD 160	2023-10-31	TP13-4	TP14-7	TP15-3	TP16-3	TP17-4
Chromium VI	452131	0.20	ug/g	STD 8	<0.20	0.37	<0.20	<0.20	<0.20	<0.20
Cobalt	452084	1	ug/g	STD 80	3	210*	10	5	3	
Copper	452084	1	ug/g	STD 230	12		76	116	7	
	452119	10	ug/g	STD 230		1640*				
Lead	452084	1	ug/g	STD 120	15	269*	43	81	6	
Mercury	452084	0.1	ug/g	STD 3.9	<0.1	0.4	0.2	0.2	<0.1	
Molybdenum	452084	1	ug/g	STD 40	<1	3	3	5	<1	
Nickel	452084	1	ug/g	STD 270	12		33	17	8	
	452119	10	ug/g	STD 270		990*				
Selenium	452084	0.5	ug/g	STD 5.5	1.1			7.2*	<0.5	
	452119	1	ug/g	STD 5.5		4.9	6*			
Silver	452084	0.2	ug/g	STD 40	<0.2	0.6	<0.2	<0.2	<0.2	<0.2
Thallium	452084	1	ug/g	STD 3.3	<1	<1	<1	<1	<1	<1
Uranium	452084	0.5	ug/g	STD 33	1.3	4.9	1.5	2.3	0.6	
Vanadium	452084	2	ug/g	STD 86	24	23	44	32	14	
Zinc	452084	2	ug/g	STD 340	26		110	12	15	
	452119	20	ug/g	STD 340		3400*				

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Metals

Lab I.D.	1709842	1709843	1709844
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2023-11-02	2023-11-02	2023-11-02
Sampling Time			
Sample I.D.	TP18-4	BH19-7	BH20-4

Analyte	Batch No	MRL	Units	Guideline			
Antimony	452084	1	ug/g	STD 40	<1	<1	2
Arsenic	452084	1	ug/g	STD 18	1	2	160*
Barium	452084	1	ug/g	STD 670	28	13	248
Beryllium	452084	1	ug/g	STD 8	<1	<1	2
Boron (Hot Water Soluble)	452126	0.5	ug/g	STD 2	<0.5	<0.5	<0.5
Boron (total)	452084	5	ug/g	STD 120	<5	<5	21
Cadmium	452084	0.4	ug/g	STD 1.9	<0.4	<0.4	<0.4
Chromium Total	452084	1	ug/g	STD 160	14	27	82
Chromium VI	452131	0.20	ug/g	STD 8	0.38	0.27	0.33
Cobalt	452084	1	ug/g	STD 80	3	2	9
Copper	452084	1	ug/g	STD 230	8	7	51
Lead	452084	1	ug/g	STD 120	4	4	90
Mercury	452084	0.1	ug/g	STD 3.9	<0.1	<0.1	0.1
Molybdenum	452084	1	ug/g	STD 40	<1	<1	7
Nickel	452084	1	ug/g	STD 270	8	13	37
Selenium	452084	0.5	ug/g	STD 5.5	0.5	1.0	1.4
Silver	452084	0.2	ug/g	STD 40	<0.2	<0.2	<0.2
Thallium	452084	1	ug/g	STD 3.3	<1	<1	1
Uranium	452084	0.5	ug/g	STD 33	0.7	0.6	1.0
Vanadium	452084	2	ug/g	STD 86	19	21	36
Zinc	452084	2	ug/g	STD 340	19	9	83

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
PAH

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709822	1709823	1709824	1709825
					Sample Matrix	Soil153	Soil153	Soil153	Soil153
Sample Type					Sample Date	2023-10-27	2023-10-27	2023-10-27	2023-10-27
Sampling Time					Sample I.D.	TP1-4	TP2-4	TP3-5	TP4-3
1+2-methylnaphthalene	451895	0.05	ug/g	STD 76	0.61	0.06	<0.05	0.66	
Acenaphthene	451748	0.05	ug/g	STD 96	<0.05	<0.05	<0.05	<0.05	
Acenaphthylene	451748	0.05	ug/g	STD 0.15	0.12	<0.05	<0.05	<0.05	
Anthracene	451748	0.05	ug/g	STD 0.67	0.11	<0.05	<0.05	<0.05	
Benz[a]anthracene	451748	0.05	ug/g	STD 0.96	0.59	0.05	<0.05	<0.05	
Benzo[a]pyrene	451748	0.05	ug/g	STD 0.3	0.64*	<0.05	<0.05	<0.05	
Benzo[b]fluoranthene	451748	0.05	ug/g	STD 0.96	0.56	<0.05	<0.05	<0.05	
Benzo[ghi]perylene	451748	0.05	ug/g	STD 9.6	0.28	<0.05	<0.05	<0.05	
Benzo[k]fluoranthene	451748	0.05	ug/g	STD 0.96	0.33	<0.05	<0.05	<0.05	
Chrysene	451748	0.05	ug/g	STD 9.6	0.61	0.05	<0.05	<0.05	
Dibenz[a h]anthracene	451748	0.05	ug/g	STD 0.1	0.11*	<0.05	<0.05	<0.05	
Fluoranthene	451748	0.05	ug/g	STD 9.6	0.82	0.18	<0.05	<0.05	
Fluorene	451748	0.05	ug/g	STD 62	<0.05	<0.05	<0.05	<0.05	
Indeno[1 2 3-cd]pyrene	451748	0.05	ug/g	STD 0.76	0.28	<0.05	<0.05	<0.05	
Methylnaphthalene, 1-	451748	0.05	ug/g	STD 76	0.28	<0.05	<0.05	0.29	
Methylnaphthalene, 2-	451748	0.05	ug/g	STD 76	0.33	0.06	<0.05	0.37	
Naphthalene	451748	0.013	ug/g	STD 9.6	0.200	0.057	<0.013	0.259	
Phenanthrene	451748	0.05	ug/g	STD 12	0.25	0.09	<0.05	0.16	
Pyrene	451748	0.05	ug/g	STD 96	0.80	<14.0	<0.05	<0.05	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
PAH

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827	1709828	1709829	1709830	1709831
					Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
Analyte	Batch No	MRL	Units	Guideline	Sample Type	2023-10-27	2023-10-27	2023-10-31	2023-10-31	2023-10-31
					Sample Date					
					Sampling Time					
					Sample I.D.	TP5-4	TP6-5	TP7-2	TP7-6	TP8-7
1+2-methylnaphthalene	451895	0.05	ug/g	STD 76		0.23	1.01	<0.05	<0.05	<0.05
Acenaphthene	451748	0.05	ug/g	STD 96		<0.05	0.05	<0.05	<0.05	<0.05
Acenaphthylene	451748	0.05	ug/g	STD 0.15		0.10	<0.05	<0.05	<0.05	<0.05
Anthracene	451748	0.05	ug/g	STD 0.67		0.14	<0.05	<0.05	<0.05	<0.05
Benz[a]anthracene	451748	0.05	ug/g	STD 0.96		0.24	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	451748	0.05	ug/g	STD 0.3		0.22	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	451748	0.05	ug/g	STD 0.96		0.22	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	451748	0.05	ug/g	STD 9.6		0.11	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	451748	0.05	ug/g	STD 0.96		0.13	<0.05	<0.05	<0.05	<0.05
Chrysene	451748	0.05	ug/g	STD 9.6		0.26	<0.05	0.05	<0.05	<0.05
Dibenz[a h]anthracene	451748	0.05	ug/g	STD 0.1		<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	451748	0.05	ug/g	STD 9.6		0.57	<0.05	0.09	<0.05	<0.05
Fluorene	451748	0.05	ug/g	STD 62		0.06	<0.05	<0.05	<0.05	<0.05
Indeno[1 2 3-cd]pyrene	451748	0.05	ug/g	STD 0.76		0.11	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1-	451748	0.05	ug/g	STD 76		0.16	0.47	<0.05	<0.05	<0.05
Methylnaphthalene, 2-	451748	0.05	ug/g	STD 76		0.07	0.54	<0.05	<0.05	<0.05
Naphthalene	451748	0.013	ug/g	STD 9.6		0.056	0.346	<0.013	<0.013	<0.013
Phenanthrene	451748	0.05	ug/g	STD 12		0.30	0.22	<0.05	<0.05	<0.05
Pyrene	451748	0.05	ug/g	STD 96		0.46	<0.05	0.09	<0.1	<0.05

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
PAH

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709833	1709834	1709835	1709836
					Sample Matrix	Soil153	Soil153	Soil153	Soil153
1+2-methylnaphthalene	451895	0.05	ug/g	STD 76	2023-10-31	TP9-1	2023-10-31	TP10-2	2023-10-31
Acenaphthene	451748	0.05	ug/g	STD 96	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	451748	0.05	ug/g	STD 0.15	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	451748	0.05	ug/g	STD 0.67	<0.05	<0.05	<0.05	<0.05	<0.05
Benz[a]anthracene	451748	0.05	ug/g	STD 0.96	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	451748	0.05	ug/g	STD 0.3	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	451748	0.05	ug/g	STD 0.96	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	451748	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	451748	0.05	ug/g	STD 0.96	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	451748	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz[a h]anthracene	451748	0.05	ug/g	STD 0.1	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	451748	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05	<0.05	<0.05
Fluorene	451748	0.05	ug/g	STD 62	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[1 2 3-cd]pyrene	451748	0.05	ug/g	STD 0.76	<0.05	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1-	451748	0.05	ug/g	STD 76	<0.05	<0.05	0.26	<0.05	<0.05
Methylnaphthalene, 2-	451748	0.05	ug/g	STD 76	<0.05	<0.05	0.25	<0.05	<0.05
Naphthalene	451748	0.013	ug/g	STD 9.6	<0.013	<0.013	0.124	<0.013	<0.013
Phenanthrene	451748	0.05	ug/g	STD 12	<0.05	<0.05	0.13	<0.05	<0.05
Pyrene	451748	0.05	ug/g	STD 96	<0.05	<0.05	<0.05	<0.05	<0.05

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
PAH

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

1709837 Soil153	1709838 Soil153	1709839 Soil153	1709840 Soil153	1709841 Soil153
2023-10-31	2023-11-01	2023-11-01	2023-11-01	2023-11-01
TP13-4	TP14-7	TP15-3	TP16-3	TP17-4

Analyte	Batch No	MRL	Units	Guideline	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1709837 Soil153	1709838 Soil153	1709839 Soil153	1709840 Soil153	1709841 Soil153
1+2-methylnaphthalene	451895	0.05	ug/g	STD 76	<0.05	0.47	0.16	<0.05	<0.05	<0.05
Acenaphthene	451748	0.05	ug/g	STD 96	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Acenaphthylene	451748	0.05	ug/g	STD 0.15	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Anthracene	451748	0.05	ug/g	STD 0.67	<0.05	0.08	<0.05	<0.05	<0.05	<0.05
Benz[a]anthracene	451748	0.05	ug/g	STD 0.96	<0.05	0.20	0.05	<0.05	<0.05	<0.05
Benzo[a]pyrene	451748	0.05	ug/g	STD 0.3	<0.05	0.14	<0.05	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	451748	0.05	ug/g	STD 0.96	<0.05	0.14	0.06	<0.05	<0.05	<0.05
Benzo[ghi]perylene	451748	0.05	ug/g	STD 9.6	<0.05	0.06	<0.05	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	451748	0.05	ug/g	STD 0.96	<0.05	0.07	<0.05	<0.05	<0.05	<0.05
Chrysene	451748	0.05	ug/g	STD 9.6	<0.05	0.20	0.08	<0.05	<0.05	<0.05
Dibenz[a h]anthracene	451748	0.05	ug/g	STD 0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Fluoranthene	451748	0.05	ug/g	STD 9.6	0.06	0.30	0.12	<0.05	<0.05	<0.05
Fluorene	451748	0.05	ug/g	STD 62	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Indeno[1 2 3-cd]pyrene	451748	0.05	ug/g	STD 0.76	<0.05	0.06	<0.05	<0.05	<0.05	<0.05
Methylnaphthalene, 1-	451748	0.05	ug/g	STD 76	<0.05	0.19	0.08	<0.05	<0.05	<0.05
Methylnaphthalene, 2-	451748	0.05	ug/g	STD 76	<0.05	0.28	0.08	<0.05	<0.05	<0.05
Naphthalene	451748	0.013	ug/g	STD 9.6	0.030	0.218	0.075	<0.013	<0.013	<0.013
Phenanthrene	451748	0.05	ug/g	STD 12	<0.05	0.21	0.11	<0.05	<0.05	<0.05
Pyrene	451748	0.05	ug/g	STD 96	<0.1	0.25	0.09	<0.05	<0.05	<0.05

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
PAH

Lab I.D.	1709842	1709843	1709844
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2023-11-02	2023-11-02	2023-11-02
Sampling Time			
Sample I.D.	TP18-4	BH19-7	BH20-4

Analyte	Batch No	MRL	Units	Guideline			
1+2-methylnaphthalene	451895	0.05	ug/g	STD 76	<0.05	<0.05	0.22
Acenaphthene	451748	0.05	ug/g	STD 96	<0.05	<0.05	<0.05
Acenaphthylene	451748	0.05	ug/g	STD 0.15	<0.05	<0.05	<0.05
Anthracene	451748	0.05	ug/g	STD 0.67	<0.05	<0.05	<0.05
Benz[a]anthracene	451748	0.05	ug/g	STD 0.96	<0.05	<0.05	<0.05
Benzo[a]pyrene	451748	0.05	ug/g	STD 0.3	<0.05	<0.05	<0.05
Benzo[b]fluoranthene	451748	0.05	ug/g	STD 0.96	<0.05	<0.05	<0.05
Benzo[ghi]perylene	451748	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05
Benzo[k]fluoranthene	451748	0.05	ug/g	STD 0.96	<0.05	<0.05	<0.05
Chrysene	451748	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05
Dibenz[a h]anthracene	451748	0.05	ug/g	STD 0.1	<0.05	<0.05	<0.05
Fluoranthene	451748	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05
Fluorene	451748	0.05	ug/g	STD 62	<0.05	<0.05	<0.05
Indeno[1 2 3-cd]pyrene	451748	0.05	ug/g	STD 0.76	<0.05	<0.05	<0.05
Methylnaphthalene, 1-	451748	0.05	ug/g	STD 76	<0.05	<0.05	0.10
Methylnaphthalene, 2-	451748	0.05	ug/g	STD 76	<0.05	<0.05	0.12
Naphthalene	451748	0.013	ug/g	STD 9.6	<0.013	<0.013	0.075
Phenanthrene	451748	0.05	ug/g	STD 12	<0.05	<0.05	0.06
Pyrene	451748	0.05	ug/g	STD 96	<0.05	<0.05	<0.05

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Particle Size

Lab I.D.	1709826
Sample Matrix	Soil153
Sample Type	
Sample Date	2023-10-27
Sampling Time	
Sample I.D.	TP4-5

Analyte	Batch No	MRL	Units	Guideline	
Soil < 75um	452107	0.1	%		63.7
Soil > 75um	452107	0.1	%		36.3
Texture - Coarse Med/Fine	452107		%		med/fine

Particle Size

Lab I.D.	1709832
Sample Matrix	Soil153
Sample Type	
Sample Date	2023-10-31
Sampling Time	
Sample I.D.	TP8-2

Analyte	Batch No	MRL	Units	Guideline	
Soil < 75um	452107	0.1	%		62.7
Soil > 75um	452107	0.1	%		37.3
Texture - Coarse Med/Fine	452107		%		med/fine

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Particle Size

Lab I.D.	1709845	1709846
Sample Matrix	Soil153	Soil153
Sample Type		
Sample Date	2023-10-27	2023-10-31
Sampling Time		
Sample I.D.	TP2-7	TP9-7

Analyte	Batch No	MRL	Units	Guideline		
Soil < 75um	452107	0.1	%		91.9	57.2
Soil > 75um	452107	0.1	%		8.1	42.8
Texture - Coarse Med/Fine	452107		%		med/fine	med/fine

Analyte	Batch No	MRL	Units	Guideline		
Soil < 75um	452107	0.1	%		91.9	57.2
Soil > 75um	452107	0.1	%		8.1	42.8
Texture - Coarse Med/Fine	452107		%		med/fine	med/fine

Particle Size

Lab I.D.	1709847	1709848	1709849
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2023-11-01	2023-11-01	2023-11-01
Sampling Time			
Sample I.D.	TP14-2	TP16-6	TP17-3

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

Analyte	Batch No	MRL	Units	Guideline		
Soil < 75um	452107	0.1	%		36.2	
	452156	0.1	%		28.1	25.1
Soil > 75um	452107	0.1	%		63.8	
	452156	0.1	%		71.9	74.9
Texture - Coarse Med/Fine	452107		%	coarse		
	452156		%		coarse	coarse

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse

Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709822	1709823	1709824	1709825
					Sample Matrix	Soil153	Soil153	Soil153	Soil153
					Sample Type				
					Sample Date				
					Sampling Time				
					Sample I.D.				
					TP1-4	2023-10-27	TP2-4	2023-10-27	TP3-5
									TP4-3
Acetone	451908	0.50	ug/g	STD 16	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	451908	0.0068	ug/g	STD 0.32	0.199	<0.0068	<0.0068	<0.0068	<0.0068
Bromodichloromethane	451908	0.05	ug/g	STD 18	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	451908	0.05	ug/g	STD 0.61	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	451908	0.05	ug/g	STD 0.21	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	451908	0.05	ug/g	STD 2.4	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	451908	0.05	ug/g	STD 0.47	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	451908	0.05	ug/g	STD 13	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	451908	0.05	ug/g	STD 6.8	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	451908	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	451908	0.05	ug/g	STD 0.2	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	451908	0.05	ug/g	STD 16	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	451908	0.05	ug/g	STD 17	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	451908	0.05	ug/g	STD 0.064	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	451908	0.05	ug/g	STD 55	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	451908	0.05	ug/g	STD 1.3	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	451908	0.05	ug/g	STD 0.16	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-	451931	0.05	ug/g	STD 0.18	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-cis-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-trans-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	451908	0.018	ug/g	STD 9.5	<0.018	<0.018	<0.018	<0.018	<0.018

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Volatiles

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

	1709822 Soil153	1709823 Soil153	1709824 Soil153	1709825 Soil153
Lab I.D.	2023-10-27	2023-10-27	2023-10-27	2023-10-27
Sample Matrix	TP1-4	TP2-4	TP3-5	TP4-3
Sample Type				
Sample Date				
Sampling Time				
Sample I.D.				

Analyte	Batch No	MRL	Units	Guideline				
Ethylene dibromide	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05
Hexane (n)	451908	0.05	ug/g	STD 46	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	451908	0.50	ug/g	STD 70	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	451908	0.50	ug/g	STD 31	<0.50	<0.50	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	451908	0.05	ug/g	STD 11	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	451908	0.05	ug/g	STD 1.6	<0.05	<0.05	<0.05	<0.05
Styrene	451908	0.05	ug/g	STD 34	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	451908	0.05	ug/g	STD 0.087	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	451908	0.05	ug/g	STD 4.5	<0.05	<0.05	<0.05	<0.05
Toluene	451908	0.08	ug/g	STD 68	1.38	<0.08	<0.08	0.43
Trichloroethane, 1,1,1-	451908	0.05	ug/g	STD 6.1	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	451908	0.01	ug/g	STD 0.91	<0.01	<0.01	<0.01	<0.01
Trichlorofluoromethane	451908	0.05	ug/g	STD 4	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	451908	0.02	ug/g	STD 0.032	<0.02	<0.02	<0.02	<0.02
Xylene Mixture	451930	0.05	ug/g	STD 26	3.82	<0.05	<0.05	0.55
Xylene, m/p-	451908	0.05	ug/g		2.02	<0.05	<0.05	0.31
Xylene, o-	451908	0.05	ug/g		1.80	<0.05	<0.05	0.24

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827	1709828	1709829	1709830	1709831
					Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
Analyte	Batch No	MRL	Units	Guideline	Sample Type	2023-10-27	2023-10-27	2023-10-31	2023-10-31	2023-10-31
					Sample Date	TP5-4	TP6-5	TP7-2	TP7-6	TP8-7
					Sampling Time					
					Sample I.D.					
Acetone	451908	0.50	ug/g	STD 16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	451908	0.0068	ug/g	STD 0.32	<0.0068	0.109	<0.0068	<0.0068	<0.0068	<0.0068
Bromodichloromethane	451908	0.05	ug/g	STD 18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	451908	0.05	ug/g	STD 0.61	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	451908	0.05	ug/g	STD 0.21	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	451908	0.05	ug/g	STD 2.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	451908	0.05	ug/g	STD 0.47	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	451908	0.05	ug/g	STD 13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	451908	0.05	ug/g	STD 6.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	451908	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	451908	0.05	ug/g	STD 0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	451908	0.05	ug/g	STD 16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	451908	0.05	ug/g	STD 17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	451908	0.05	ug/g	STD 0.064	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	451908	0.05	ug/g	STD 55	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	451908	0.05	ug/g	STD 1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	451908	0.05	ug/g	STD 0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-	451931	0.05	ug/g	STD 0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-cis-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-trans-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	451908	0.018	ug/g	STD 9.5	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Volatiles

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

1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
2023-10-27	2023-10-27	2023-10-31	2023-10-31	2023-10-31
TP5-4	TP6-5	TP7-2	TP7-6	TP8-7

Analyte	Batch No	MRL	Units	Guideline	1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
Ethylene dibromide	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane (n)	451908	0.05	ug/g	STD 46	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	451908	0.50	ug/g	STD 70	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	451908	0.50	ug/g	STD 31	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	451908	0.05	ug/g	STD 11	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	451908	0.05	ug/g	STD 1.6	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	451908	0.05	ug/g	STD 34	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	451908	0.05	ug/g	STD 0.087	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	451908	0.05	ug/g	STD 4.5	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	451908	0.08	ug/g	STD 68	<0.08	0.64	<0.08	<0.08	<0.08
Trichloroethane, 1,1,1-	451908	0.05	ug/g	STD 6.1	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	451908	0.01	ug/g	STD 0.91	<0.01	<0.01	<0.01	<0.01	<0.01
Trichlorofluoromethane	451908	0.05	ug/g	STD 4	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	451908	0.02	ug/g	STD 0.032	<0.02	<0.02	<0.02	<0.02	<0.02
Xylene Mixture	451930	0.05	ug/g	STD 26	<0.05	1.21	<0.05	<0.05	<0.05
Xylene, m/p-	451908	0.05	ug/g		<0.05	0.71	<0.05	<0.05	<0.05
Xylene, o-	451908	0.05	ug/g		<0.05	0.50	<0.05	<0.05	<0.05

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse

Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709833	1709834	1709835	1709836
					Sample Matrix	Soil153	Soil153	Soil153	Soil153
Acetone	451908	0.50	ug/g	STD 16	2023-10-31	TP9-1	<0.50	<0.50	<0.50
Benzene	451908	0.0068	ug/g	STD 0.32	2023-10-31	TP10-2	<0.0068	<0.0068	<0.0068
Bromodichloromethane	451908	0.05	ug/g	STD 18	2023-10-31	TP11-5	<0.05	<0.05	<0.05
Bromoform	451908	0.05	ug/g	STD 0.61	2023-10-31	TP12-1	<0.05	<0.05	<0.05
Bromomethane	451908	0.05	ug/g	STD 0.05	2023-10-31	TP13-1	<0.05	<0.05	<0.05
Carbon Tetrachloride	451908	0.05	ug/g	STD 0.21	2023-10-31	TP14-1	<0.05	<0.05	<0.05
Chlorobenzene	451908	0.05	ug/g	STD 2.4	2023-10-31	TP15-1	<0.05	<0.05	<0.05
Chloroform	451908	0.05	ug/g	STD 0.47	2023-10-31	TP16-1	<0.05	<0.05	<0.05
Dibromochloromethane	451908	0.05	ug/g	STD 13	2023-10-31	TP17-1	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	451908	0.05	ug/g	STD 6.8	2023-10-31	TP18-1	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	451908	0.05	ug/g	STD 9.6	2023-10-31	TP19-1	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	451908	0.05	ug/g	STD 0.2	2023-10-31	TP20-1	<0.05	<0.05	<0.05
Dichlorodifluoromethane	451908	0.05	ug/g	STD 16	2023-10-31	TP21-1	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	451908	0.05	ug/g	STD 17	2023-10-31	TP22-1	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	451908	0.05	ug/g	STD 0.05	2023-10-31	TP23-1	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	451908	0.05	ug/g	STD 0.064	2023-10-31	TP24-1	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	451908	0.05	ug/g	STD 55	2023-10-31	TP25-1	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	451908	0.05	ug/g	STD 1.3	2023-10-31	TP26-1	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	451908	0.05	ug/g	STD 0.16	2023-10-31	TP27-1	<0.05	<0.05	<0.05
Dichloropropene, 1,3-	451931	0.05	ug/g	STD 0.18	2023-10-31	TP28-1	<0.05	<0.05	<0.05
Dichloropropene, 1,3-cis-	451908	0.05	ug/g		2023-10-31	TP29-1	<0.05	<0.05	<0.05
Dichloropropene, 1,3-trans-	451908	0.05	ug/g		2023-10-31	TP30-1	<0.05	<0.05	<0.05
Ethylbenzene	451908	0.018	ug/g	STD 9.5	2023-10-31	TP31-1	<0.018	<0.018	<0.018

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Volatiles

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

1709833 Soil153	1709834 Soil153	1709835 Soil153	1709836 Soil153
2023-10-31	2023-10-31	2023-10-31	2023-10-31
TP9-1	TP10-2	TP11-5	TP12-1

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

Ethylene dibromide	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05
Hexane (n)	451908	0.05	ug/g	STD 46	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	451908	0.50	ug/g	STD 70	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	451908	0.50	ug/g	STD 31	<0.50	<0.50	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	451908	0.05	ug/g	STD 11	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	451908	0.05	ug/g	STD 1.6	<0.05	<0.05	<0.05	<0.05
Styrene	451908	0.05	ug/g	STD 34	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	451908	0.05	ug/g	STD 0.087	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	451908	0.05	ug/g	STD 4.5	<0.05	<0.05	<0.05	<0.05
Toluene	451908	0.08	ug/g	STD 68	<0.08	0.13	<0.08	<0.08
Trichloroethane, 1,1,1-	451908	0.05	ug/g	STD 6.1	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	451908	0.01	ug/g	STD 0.91	<0.01	<0.01	<0.01	<0.01
Trichlorofluoromethane	451908	0.05	ug/g	STD 4	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	451908	0.02	ug/g	STD 0.032	<0.02	<0.02	<0.02	<0.02
Xylene Mixture	451930	0.05	ug/g	STD 26	<0.05	<0.05	<0.05	<0.05
Xylene, m/p-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05
Xylene, o-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse

Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709837	1709838	1709839	1709840	1709841
					Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
Acetone	451908	0.50	ug/g	STD 16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	451908	0.0068	ug/g	STD 0.32	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068
Bromodichloromethane	451908	0.05	ug/g	STD 18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	451908	0.05	ug/g	STD 0.61	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	451908	0.05	ug/g	STD 0.21	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	451908	0.05	ug/g	STD 2.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	451908	0.05	ug/g	STD 0.47	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	451908	0.05	ug/g	STD 13	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	451908	0.05	ug/g	STD 6.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	451908	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	451908	0.05	ug/g	STD 0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	451908	0.05	ug/g	STD 16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	451908	0.05	ug/g	STD 17	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	451908	0.05	ug/g	STD 0.064	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	451908	0.05	ug/g	STD 55	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	451908	0.05	ug/g	STD 1.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	451908	0.05	ug/g	STD 0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-	451931	0.05	ug/g	STD 0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-cis-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dichloropropene, 1,3-trans-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	451908	0.018	ug/g	STD 9.5	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Volatiles

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

1709837 Soil153	1709838 Soil153	1709839 Soil153	1709840 Soil153	1709841 Soil153
2023-10-31	2023-11-01	2023-11-01	2023-11-01	2023-11-01
TP13-4	TP14-7	TP15-3	TP16-3	TP17-4

Analyte	Batch No	MRL	Units	Guideline	1709837 Soil153	1709838 Soil153	1709839 Soil153	1709840 Soil153	1709841 Soil153
Ethylene dibromide	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane (n)	451908	0.05	ug/g	STD 46	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	451908	0.50	ug/g	STD 70	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	451908	0.50	ug/g	STD 31	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	451908	0.05	ug/g	STD 11	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	451908	0.05	ug/g	STD 1.6	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	451908	0.05	ug/g	STD 34	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	451908	0.05	ug/g	STD 0.087	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	451908	0.05	ug/g	STD 4.5	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	451908	0.08	ug/g	STD 68	<0.08	0.08	<0.08	<0.08	<0.08
Trichloroethane, 1,1,1-	451908	0.05	ug/g	STD 6.1	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	451908	0.01	ug/g	STD 0.91	<0.01	<0.01	<0.01	<0.01	<0.01
Trichlorofluoromethane	451908	0.05	ug/g	STD 4	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	451908	0.02	ug/g	STD 0.032	<0.02	<0.02	<0.02	<0.02	<0.02
Xylene Mixture	451930	0.05	ug/g	STD 26	<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, m/p-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05
Xylene, o-	451908	0.05	ug/g		<0.05	<0.05	<0.05	<0.05	<0.05

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse

Volatiles

Analyte	Batch No	MRL	Units	Lab I.D.	1709842 Soil153 2023-11-02 TP18-4	1709843 Soil153 2023-11-02 BH19-7	1709844 Soil153 2023-11-02 BH20-4
				Sample Matrix	Sample Type	Sample Date	Sampling Time
Acetone	451908	0.50	ug/g	STD 16	<0.50	<0.50	<0.50
Benzene	451908	0.0068	ug/g	STD 0.32	<0.0068	<0.0068	0.0468
Bromodichloromethane	451908	0.05	ug/g	STD 18	<0.05	<0.05	<0.05
Bromoform	451908	0.05	ug/g	STD 0.61	<0.05	<0.05	<0.05
Bromomethane	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	451908	0.05	ug/g	STD 0.21	<0.05	<0.05	<0.05
Chlorobenzene	451908	0.05	ug/g	STD 2.4	<0.05	<0.05	<0.05
Chloroform	451908	0.05	ug/g	STD 0.47	<0.05	<0.05	<0.05
Dibromochloromethane	451908	0.05	ug/g	STD 13	<0.05	<0.05	<0.05
Dichlorobenzene, 1,2-	451908	0.05	ug/g	STD 6.8	<0.05	<0.05	<0.05
Dichlorobenzene, 1,3-	451908	0.05	ug/g	STD 9.6	<0.05	<0.05	<0.05
Dichlorobenzene, 1,4-	451908	0.05	ug/g	STD 0.2	<0.05	<0.05	<0.05
Dichlorodifluoromethane	451908	0.05	ug/g	STD 16	<0.05	<0.05	<0.05
Dichloroethane, 1,1-	451908	0.05	ug/g	STD 17	<0.05	<0.05	<0.05
Dichloroethane, 1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05
Dichloroethylene, 1,1-	451908	0.05	ug/g	STD 0.064	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-cis-	451908	0.05	ug/g	STD 55	<0.05	<0.05	<0.05
Dichloroethylene, 1,2-trans-	451908	0.05	ug/g	STD 1.3	<0.05	<0.05	<0.05
Dichloropropane, 1,2-	451908	0.05	ug/g	STD 0.16	<0.05	<0.05	<0.05
Dichloropropene, 1,3-	451931	0.05	ug/g	STD 0.18	<0.05	<0.05	<0.05
Dichloropropene, 1,3-cis-	451908	0.05	ug/g		<0.05	<0.05	<0.05
Dichloropropene, 1,3-trans-	451908	0.05	ug/g		<0.05	<0.05	<0.05
Ethylbenzene	451908	0.018	ug/g	STD 9.5	<0.018	<0.018	<0.018

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Volatiles

Lab I.D.	1709842	1709843	1709844
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2023-11-02	2023-11-02	2023-11-02
Sampling Time			
Sample I.D.	TP18-4	BH19-7	BH20-4

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

Analyte	Batch No	MRL	Units	Guideline			
Ethylene dibromide	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05
Hexane (n)	451908	0.05	ug/g	STD 46	<0.05	<0.05	<0.05
Methyl Ethyl Ketone	451908	0.50	ug/g	STD 70	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	451908	0.50	ug/g	STD 31	<0.50	<0.50	<0.50
Methyl tert-Butyl Ether (MTBE)	451908	0.05	ug/g	STD 11	<0.05	<0.05	<0.05
Methylene Chloride	451908	0.05	ug/g	STD 1.6	<0.05	<0.05	<0.05
Styrene	451908	0.05	ug/g	STD 34	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,1,2-	451908	0.05	ug/g	STD 0.087	<0.05	<0.05	<0.05
Tetrachloroethane, 1,1,2,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	451908	0.05	ug/g	STD 4.5	<0.05	<0.05	<0.05
Toluene	451908	0.08	ug/g	STD 68	<0.08	<0.08	0.25
Trichloroethane, 1,1,1-	451908	0.05	ug/g	STD 6.1	<0.05	<0.05	<0.05
Trichloroethane, 1,1,2-	451908	0.05	ug/g	STD 0.05	<0.05	<0.05	<0.05
Trichloroethylene	451908	0.01	ug/g	STD 0.91	<0.01	<0.01	<0.01
Trichlorofluoromethane	451908	0.05	ug/g	STD 4	<0.05	<0.05	<0.05
Vinyl Chloride	451908	0.02	ug/g	STD 0.032	<0.02	<0.02	<0.02
Xylene Mixture	451930	0.05	ug/g	STD 26	<0.05	<0.05	0.43
Xylene, m/p-	451908	0.05	ug/g		<0.05	<0.05	0.24
Xylene, o-	451908	0.05	ug/g		<0.05	<0.05	0.19

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Inorganics

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

1709822 Soil153	1709823 Soil153	1709824 Soil153	1709825 Soil153	1709826 Soil153
2023-10-27	2023-10-27	2023-10-27	2023-10-27	2023-10-27
TP1-4	TP2-4	TP3-5	TP4-3	TP4-5

Analyte
Batch No
MRL
Units
Guideline

Cyanide (CN-)	452037	0.005	ug/g	STD 0.051	<0.005	<0.005	<0.005	<0.005	
Electrical Conductivity	452038	0.05	mS/cm	STD 1.4	0.32	0.40	0.39	0.30	
pH - CaCl2	451819	2.00			7.55	7.43	7.37	7.33	7.25
Sodium Adsorption Ratio	452040	0.01		STD 12	0.26	4.76	4.86	0.29	

Inorganics

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

1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
2023-10-27	2023-10-27	2023-10-31	2023-10-31	2023-10-31
TP5-4	TP6-5	TP7-2	TP7-6	TP8-7

Analyte
Batch No
MRL
Units
Guideline

Cyanide (CN-)	452037	0.005	ug/g	STD 0.051	<0.005	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	452038	0.05	mS/cm	STD 1.4	0.19	0.20	0.12	0.45	0.12
pH - CaCl2	451819	2.00			7.19	7.41	7.03	5.75	6.20
Sodium Adsorption Ratio	452040	0.01		STD 12	0.51	1.94	0.47	1.62	1.13

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Inorganics

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

1709832 Soil153	1709833 Soil153	1709834 Soil153	1709835 Soil153	1709836 Soil153
2023-10-31	2023-10-31	2023-10-31	2023-10-31	2023-10-31
TP8-2	TP9-1	TP10-2	TP11-5	TP12-1

Analyte
Batch No
MRL
Units
Guideline

Cyanide (CN-)	452037	0.005	ug/g	STD 0.051		<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	452038	0.05	mS/cm	STD 1.4		0.18	0.28	0.23	0.14
pH - CaCl2	451819	2.00			7.30	7.15	7.14	7.40	7.51
Sodium Adsorption Ratio	452040	0.01		STD 12		0.24	0.56	0.30	0.36

Inorganics

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

1709837 Soil153	1709838 Soil153	1709839 Soil153	1709840 Soil153	1709841 Soil153
2023-10-31	2023-11-01	2023-11-01	2023-11-01	2023-11-01
TP13-4	TP14-7	TP15-3	TP16-3	TP17-4

Analyte
Batch No
MRL
Units
Guideline

Cyanide (CN-)	452037	0.005	ug/g	STD 0.051	<0.005	<0.005	<0.005	<0.005	<0.005
Electrical Conductivity	452038	0.05	mS/cm	STD 1.4	0.23	1.41*	0.23	1.42*	0.13
pH - CaCl2	451819	2.00			8.90	7.30	7.40	5.08	7.30
Sodium Adsorption Ratio	452040	0.01		STD 12	1.27	0.95	0.17	0.04	0.91

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Inorganics

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

1709842 Soil153	1709843 Soil153	1709844 Soil153	1709845 Soil153	1709846 Soil153
2023-11-02	2023-11-02	2023-11-02	2023-10-27	2023-10-31
TP18-4	BH19-7	BH20-4	TP2-7	TP9-7

Analyte
Batch No
MRL
Units
Guideline

Cyanide (CN-)	452037	0.005	ug/g	STD 0.051	<0.005				
	452120	0.005	ug/g	STD 0.051		<0.005	<0.005		
Electrical Conductivity	452038	0.05	mS/cm	STD 1.4	0.12	0.12	0.21		
pH - CaCl2	451819	2.00			6.95	7.06	7.35	7.43	7.18
Sodium Adsorption Ratio	452040	0.01		STD 12	1.06	0.61	2.28		

Inorganics

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

1709847 Soil153	1709848 Soil153	1709849 Soil153
2023-11-01	2023-11-01	2023-11-01
TP14-2	TP16-6	TP17-3

Analyte
Batch No
MRL
Units
Guideline

pH - CaCl2	451819	2.00			7.38	7.27	7.43
------------	--------	------	--	--	------	------	------

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Moisture

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709822	1709823	1709824	1709825
					Sample Matrix	Soil153	Soil153	Soil153	Soil153
Moisture-Humidite	452025	0.1	%		2023-10-27	TP1-4	TP2-4	TP3-5	TP4-3
	452033	0.1	%			44.0		31.5	12.7

Moisture

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827	1709828	1709829	1709830	1709831
					Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
Moisture-Humidite	452025	0.1	%		2023-10-27	TP5-4	TP6-5	TP7-2	TP7-6	TP8-7
	452033	0.1	%			22.8	25.6		50.7	40.9

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Moisture

Lab I.D.	1709833	1709834	1709835	1709836
Sample Matrix	Soil153	Soil153	Soil153	Soil153
Sample Type				
Sample Date	2023-10-31	2023-10-31	2023-10-31	2023-10-31
Sampling Time				
Sample I.D.	TP9-1	TP10-2	TP11-5	TP12-1

Analyte	Batch No	MRL	Units	Guideline
Moisture-Humidite	452025	0.1	%	
	452033	0.1	%	

60.5		17.8	8.1
	53.0		

Moisture

Lab I.D.	1709837	1709838	1709839	1709840	1709841
Sample Matrix	Soil153	Soil153	Soil153	Soil153	Soil153
Sample Type					
Sample Date	2023-10-31	2023-11-01	2023-11-01	2023-11-01	2023-11-01
Sampling Time					
Sample I.D.	TP13-4	TP14-7	TP15-3	TP16-3	TP17-4

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

44.1	38.6		19.4

Moisture-Humidite	452025	0.1	%	
	452033	0.1	%	9.3
	452141	0.1	%	

			20.5	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
Moisture

Analyte	Batch No	MRL	Units	Lab I.D.	1709842 Soil153 2023-11-02 TP18-4	1709843 Soil153 2023-11-02 BH19-7	1709844 Soil153 2023-11-02 BH20-4	
				Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
Moisture-Humidite	452025	0.1	%					20.5
	452033	0.1	%			23.9	11.1	

PHC Surrogate

Analyte	Batch No	MRL	Units	Lab I.D.	1709822 Soil153 2023-10-27 TP1-4	1709823 Soil153 2023-10-27 TP2-4	1709824 Soil153 2023-10-27 TP3-5	1709825 Soil153 2023-10-27 TP4-3
				Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
Alpha-androstrane	452025	0	%				78	
	452033	0	%			74		66

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
PHC Surrogate

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
					Sample Matrix	2023-10-27	TP5-4	TP6-5	TP7-2	TP7-6
Alpha-androstrane	452025	0	%					83	71	
	452033	0	%			104	111			115

PHC Surrogate

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1709833 Soil153	1709834 Soil153	1709835 Soil153	1709836 Soil153	
					Sample Matrix	2023-10-31	TP9-1	TP10-2	TP11-5	TP12-1
Alpha-androstrane	452025	0	%			100		86	87	
	452033	0	%				113			

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
PHC Surrogate

Analyte	Batch No	MRL	Units	Lab I.D.	1709837 Soil153	1709838 Soil153	1709839 Soil153	1709840 Soil153	1709841 Soil153
				Guideline					
Alpha-androstrane	452025	0	%		2023-10-31	TP13-4	83	76	84
	452033	0	%			102			
	452141	0	%					100	

PHC Surrogate

Analyte	Batch No	MRL	Units	Lab I.D.	1709842 Soil153	1709843 Soil153	1709844 Soil153
				Guideline			
Alpha-androstrane	452025	0	%		2023-11-02	TP18-4	96
	452033	0	%			88	85

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
VOCs Surrogates

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

1709822 Soil153	1709823 Soil153	1709824 Soil153	1709825 Soil153
2023-10-27	2023-10-27	2023-10-27	2023-10-27
TP1-4	TP2-4	TP3-5	TP4-3

Analyte
Batch No
MRL
Units
Guideline

1,2-dichloroethane-d4	451908	0	%		91	82	86	100
4-bromofluorobenzene	451908	0	%		90	84	78	92
Toluene-d8	451908	0	%		99	92	96	70

VOCs Surrogates

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

1709827 Soil153	1709828 Soil153	1709829 Soil153	1709830 Soil153	1709831 Soil153
2023-10-27	2023-10-27	2023-10-31	2023-10-31	2023-10-31
TP5-4	TP6-5	TP7-2	TP7-6	TP8-7

Analyte
Batch No
MRL
Units
Guideline

1,2-dichloroethane-d4	451908	0	%		84	75	82	80	85
4-bromofluorobenzene	451908	0	%		80	88	78	75	77
Toluene-d8	451908	0	%		91	93	91	92	90

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse
VOCs Surrogates

Analyte	Batch No	MRL	Units	Lab I.D.	1709833 Soil153 2023-10-31 TP9-1	1709834 Soil153 2023-10-31 TP10-2	1709835 Soil153 2023-10-31 TP11-5	1709836 Soil153 2023-10-31 TP12-1
				Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
1,2-dichloroethane-d4	451908	0	%		80	85	82	86
4-bromofluorobenzene	451908	0	%		78	77	83	87
Toluene-d8	451908	0	%		90	91	93	92

VOCs Surrogates

Analyte	Batch No	MRL	Units	Lab I.D.	1709837 Soil153 2023-10-31 TP13-4	1709838 Soil153 2023-11-01 TP14-7	1709839 Soil153 2023-11-01 TP15-3	1709840 Soil153 2023-11-01 TP16-3	1709841 Soil153 2023-11-01 TP17-4
				Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.	
1,2-dichloroethane-d4	451908	0	%		84	105	86	117	122
4-bromofluorobenzene	451908	0	%		83	79	92	101	97
Toluene-d8	451908	0	%		97	97	91	93	90

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Guideline = O.Reg 153-T3-Ind/Com-Coarse**VOCs Surrogates**

Lab I.D.	1709842	1709843	1709844
Sample Matrix	Soil153	Soil153	Soil153
Sample Type			
Sample Date	2023-11-02	2023-11-02	2023-11-02
Sampling Time			
Sample I.D.	TP18-4	BH19-7	BH20-4

Analyte	Batch No	MRL	Units	Guideline	1709842	1709843	1709844
1,2-dichloroethane-d4	451908	0	%		118	120	115
4-bromofluorobenzene	451908	0	%		99	97	99
Toluene-d8	451908	0	%		91	93	96

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
451748	Methlynaphthalene, 1-	<0.05 ug/g	78	50-140	123	50-140	0	0-40
451748	Methlynaphthalene, 2-	<0.05 ug/g	77	50-140	94	50-140	0	0-40
451748	Acenaphthene	<0.05 ug/g	78	50-140	82	50-140	0	0-40
451748	Acenaphthylene	<0.05 ug/g	73	50-140	74	50-140	0	0-40
451748	Anthracene	<0.05 ug/g	84	50-140	87	50-140	0	0-40
451748	Benz[a]anthracene	<0.05 ug/g	78	50-140	95	50-140	0	0-40
451748	Benzo[a]pyrene	<0.05 ug/g	60	50-140	98	50-140	0	0-40
451748	Benzo[b]fluoranthene	<0.05 ug/g	84	50-140	95	50-140	0	0-40
451748	Benzo[ghi]perylene	<0.05 ug/g	74	50-140	101	50-140	0	0-40
451748	Benzo[k]fluoranthene	<0.05 ug/g	83	50-140	89	50-140	0	0-40
451748	Chrysene	<0.05 ug/g	80	50-140	96	50-140	0	0-40
451748	Dibenz[a h]anthracene	<0.05 ug/g	70	50-140	76	50-140	0	0-40
451748	Fluoranthene	<0.05 ug/g	88	50-140	126	50-140	0	0-40
451748	Fluorene	<0.05 ug/g	88	50-140	81	50-140	0	0-40
451748	Indeno[1 2 3-cd]pyrene	<0.05 ug/g	71	50-140	87	50-140	0	0-40
451748	Naphthalene	<0.013 ug/g	76	50-140	81	50-140	0	0-40
451748	Phenanthrene	<0.05 ug/g	85	50-140	100	50-140	0	0-40
451748	Pyrene	<0.05 ug/g	71	50-140	123	50-140	0	0-40
451819	pH - CaCl2	5.63	101	90-110			0	
451895	1+2-methylnaphthalene							
451908	Tetrachloroethane, 1,1,1,2-	<0.05 ug/g	106	60-130	107	50-140	0	0-50
451908	Trichloroethane, 1,1,1-	<0.05 ug/g	107	60-130	111	50-140	0	0-50
451908	Tetrachloroethane, 1,1,2,2-	<0.05 ug/g	93	60-130	91	50-140	0	0-30
451908	Trichloroethane, 1,1,2-	<0.05 ug/g	115	60-130	115	50-140	0	0-50
451908	Dichloroethane, 1,1-	<0.05 ug/g	109	60-130	112	50-140	0	0-50
451908	Dichloroethylene, 1,1-	<0.05 ug/g	101	60-130	87	50-140	0	0-50
451908	Dichlorobenzene, 1,2-	<0.05 ug/g	103	60-130	111	50-140	0	0-50
451908	Dichloroethane, 1,2-	<0.05 ug/g	113	60-130	114	50-140	0	0-50
451908	Dichloropropane, 1,2-	<0.05 ug/g	111	60-130	119	50-140	0	0-50
451908	Dichlorobenzene, 1,3-	<0.05 ug/g	102	60-130	112	50-140	0	0-50
451908	Dichlorobenzene, 1,4-	<0.05 ug/g	104	60-130	112	50-140	0	0-50
451908	Acetone	<0.50 ug/g	115	60-130	112	50-140	0	0-50

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
451908	Benzene	<0.0068	116	60-130	114	50-140	0	0-50
451908	Bromodichloromethane	<0.05 ug/g	111	60-130	110	50-140	0	0-50
451908	Bromoform	<0.05 ug/g	112	60-130	109	50-140	0	0-50
451908	Bromomethane	<0.05 ug/g	102	60-130	105	50-140	0	0-50
451908	Dichloroethylene, 1,2-cis-	<0.05 ug/g	108	60-130	115	50-140	0	0-50
451908	Dichloropropene,1,3-cis-	<0.05 ug/g	103	60-130	115	50-140	0	0-50
451908	Carbon Tetrachloride	<0.05 ug/g	103	60-130	107	50-140	0	0-50
451908	Chloroform	<0.05 ug/g	114	60-130	115	50-140	0	0-50
451908	Dibromochloromethane	<0.05 ug/g	103	60-130	101	50-140	0	0-50
451908	Dichlorodifluoromethane	<0.05 ug/g	83	60-130	106	50-140	0	0-50
451908	Methylene Chloride	<0.05 ug/g	118	60-130	95	50-140	0	0-50
451908	Ethylbenzene	<0.018 ug/g	112	60-130	121	50-140	0	0-50
451908	Ethylene dibromide	<0.05 ug/g	111	60-130	113	50-140	0	0-50
451908	Hexane (n)	<0.05 ug/g	100	60-130	112	50-140	0	0-50
451908	Xylene, m/p-	<0.05 ug/g	116	60-130	112	50-140	0	0-50
451908	Methyl Ethyl Ketone	<0.50 ug/g	112	60-130	116	50-140	0	0-50
451908	Methyl Isobutyl Ketone	<0.50 ug/g	106	60-130	114	50-140	0	0-50
451908	Methyl tert-Butyl Ether (MTBE)	<0.05 ug/g	119	60-130	114	50-140	0	0-50
451908	Chlorobenzene	<0.05 ug/g	108	60-130	115	50-140	0	0-50
451908	Xylene, o-	<0.05 ug/g	110	60-130	118	50-140	0	0-50
451908	Styrene	<0.05 ug/g	112	60-130	117	50-140	0	0-50
451908	Dichloroethylene, 1,2-trans-	<0.05 ug/g	106	60-130	110	50-140	0	0-50
451908	Dichloropropene,1,3-trans-	<0.05 ug/g	106	60-130	115	50-140	0	0-50
451908	Tetrachloroethylene	<0.05 ug/g	116	60-130	119	50-140	0	0-50
451908	Toluene	<0.08 ug/g	117	60-130	114	50-140	0	0-50
451908	Trichloroethylene	<0.01 ug/g	116	60-130	115	50-140	0	0-50
451908	Trichlorofluoromethane	<0.05 ug/g	99	60-130	98	50-140	0	0-50
451908	Vinyl Chloride	<0.02 ug/g	96	60-130	92	50-140	0	0-50
451928	PHC's F1	<10 ug/g	110	80-120	90	60-140	0	0-30
451930	Xylene Mixture							
451931	Dichloropropene,1,3-							
451933	PHC's F1-BTEX							
452025	PHC's F2	<2 ug/g	85	80-120	103	60-140	0	0-30

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
452025	PHC's F3	<20 ug/g	84	80-120	103	60-140	0	0-30
452025	PHC's F4	<20 ug/g	84	80-120	103	60-140	0	0-30
452025	Moisture-Humidite	<0.1 %	100	80-120			11	
452033	PHC's F2	<2 ug/g	83	80-120	82	60-140	0	0-30
452033	PHC's F3	<20 ug/g	84	80-120	82	60-140	0	0-30
452033	PHC's F4	<20 ug/g	84	80-120	82	60-140	0	0-30
452033	Moisture-Humidite	<0.1 %	100	80-120			11	
452037	Cyanide (CN-)	<0.005 ug/g	89	75-125	97	70-130	0	0-20
452038	Electrical Conductivity	<0.05	100	90-110			0	0-10
452040	Sodium Adsorption Ratio	<0.01					8	
452084	Silver	<0.2 ug/g	78	70-130	94	70-130	0	0-20
452084	Arsenic	<1 ug/g	92	70-130	101	70-130	0	0-20
452084	Boron (total)	<5 ug/g	92	70-130	114	70-130	0	0-20
452084	Barium	<1 ug/g	91	70-130	224	70-130	7	0-20
452084	Beryllium	<1 ug/g	92	70-130	98	70-130	0	0-20
452084	Cadmium	<0.4 ug/g	91	70-130	100	70-130	0	0-20
452084	Cobalt	<1 ug/g	86	70-130	94	70-130	0	0-20
452084	Chromium Total	<1 ug/g	87	70-130	77	70-130	22	0-20
452084	Copper	<1 ug/g	94	70-130	113	70-130	4	0-20
452084	Mercury	<0.1 ug/g	90	70-130	85	70-130	0	0-20
452084	Molybdenum	<1 ug/g	91	70-130	88	70-130	0	0-20
452084	Nickel	<1 ug/g	91	70-130	91	70-130	14	0-20
452084	Lead	<1 ug/g	95	70-130	95	70-130	6	0-20
452084	Antimony	<1 ug/g	76	70-130	97	70-130	0	0-20
452084	Selenium	<0.5 ug/g	99	70-130	111	70-130	0	0-20
452084	Thallium	<1 ug/g	94	70-130	95	70-130	0	0-20
452084	Uranium	<0.5 ug/g	84	70-130	92	70-130	0	0-20
452084	Vanadium	<2 ug/g	84	70-130	119	70-130	3	0-20
452084	Zinc	<2 ug/g	100	70-130	116	70-130	2	0-20
452107	Soil < 75um							
452107	Soil > 75um							
452107	Texture - Coarse Med/Fine							
452119	Copper	<10 ug/g	101	70-130	95	70-130	5	0-20

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
452119	Nickel	<10 ug/g	98	70-130	15	70-130	38	0-20
452119	Selenium	<1 ug/g	101	70-130	104	70-130	0	0-20
452119	Zinc	<20 ug/g	104	70-130	93	70-130	2	0-20
452120	Cyanide (CN-)	<0.005 ug/g	90	75-125	95	70-130	0	0-20
452126	Boron (Hot Water Soluble)	<0.5 ug/g	102	70-130	97	60-140	0	0-30
452131	Chromium VI	<0.20 ug/g	98	70-130	94	70-130	0	0-35
452141	PHC's F2	<2 ug/g	87	80-120	95	60-140	0	0-30
452141	PHC's F3	<20 ug/g	88	80-120	95	60-140	0	0-30
452141	PHC's F4	<20 ug/g	88	80-120	95	60-140	0	0-30
452141	Moisture-Humidite	<0.1 %	100	80-120			4	
452156	Soil < 75um							
452156	Soil > 75um							
452156	Texture - Coarse Med/Fine							
452176	PHC's F2-Naph							
452177	PHC's F3-PAH							

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
451748	Methlynaphthalene, 1-	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Methlynaphthalene, 2-	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Acenaphthene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Acenaphthylene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Anthracene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Benz[a]anthracene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Benzo[a]pyrene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Benzo[b]fluoranthene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Benzo[ghi]perylene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Benzo[k]fluoranthene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Chrysene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Dibenz[a h]anthracene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Fluoranthene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Fluorene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Indeno[1 2 3-cd]pyrene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Naphthalene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Phenanthrene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451748	Pyrene	GC-MS	2023-11-08	2023-11-08	C_M	P 8270
451819	pH - CaCl ₂	pH Meter	2023-11-08	2023-11-08	IP	Ag Soil
451895	1+2-methylnaphthalene	GC-MS	2023-11-09	2023-11-09	C_M	P 8270
451908	Tetrachloroethane, 1,1,1,2-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Trichloroethane, 1,1,1-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Tetrachloroethane, 1,1,2,2-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Trichloroethane, 1,1,2-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloroethane, 1,1-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloroethylene, 1,1-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichlorobenzene, 1,2-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloroethane, 1,2-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloropropane, 1,2-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichlorobenzene, 1,3-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichlorobenzene, 1,4-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Acetone	GC-MS	2023-11-08	2023-11-09	SS	V 8260B

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
451908	Benzene	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Bromodichloromethane	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Bromoform	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Bromomethane	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloroethylene, 1,2-cis-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloropropene, 1,3-cis-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Carbon Tetrachloride	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Chloroform	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dibromochloromethane	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichlorodifluoromethane	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Methylene Chloride	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Ethylbenzene	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Ethylene dibromide	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Hexane (n)	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Xylene, m/p-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Methyl Ethyl Ketone	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Methyl Isobutyl Ketone	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Methyl tert-Butyl Ether (MTBE)	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Chlorobenzene	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Xylene, o-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Styrene	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloroethylene, 1,2-trans-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Dichloropropene, 1,3-trans-	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Tetrachloroethylene	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Toluene	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Trichloroethylene	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Trichlorofluoromethane	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451908	Vinyl Chloride	GC-MS	2023-11-08	2023-11-09	SS	V 8260B
451928	PHC's F1	GC/FID	2023-11-08	2023-11-09	SS	CCME
451930	Xylene Mixture	GC-MS	2023-11-09	2023-11-09	SS	V 8260B
451931	Dichloropropene, 1,3-	GC-MS	2023-11-09	2023-11-09	SS	V 8260B
451933	PHC's F1-BTEX	GC/FID	2023-11-09	2023-11-09	SS	CCME
452025	PHC's F2	GC/FID	2023-11-10	2023-11-10	H_S	CCME

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
452025	PHC's F3	GC/FID	2023-11-10	2023-11-10	H_S	CCME
452025	PHC's F4	GC/FID	2023-11-10	2023-11-10	H_S	CCME
452025	Moisture-Humidite	Oven	2023-11-10	2023-11-10	H_S	ASTM 2216
452033	PHC's F2	GC/FID	2023-11-10	2023-11-10	H_S	CCME
452033	PHC's F3	GC/FID	2023-11-10	2023-11-10	H_S	CCME
452033	PHC's F4	GC/FID	2023-11-10	2023-11-10	H_S	CCME
452033	Moisture-Humidite	Oven	2023-11-10	2023-11-10	H_S	ASTM 2216
452037	Cyanide (CN-)	Skalar CN Analyzer	2023-11-10	2023-11-10	Z_S	MOECC E3015
452038	Electrical Conductivity	Electrical Conductivity Meter	2023-11-10	2023-11-10	IP	Cond-Soil
452040	Sodium Adsorption Ratio	iCAP OES	2023-11-10	2023-11-10	Z_S	Ag Soil
452084	Silver	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Arsenic	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Boron (total)	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Barium	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Beryllium	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Cadmium	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Cobalt	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Chromium Total	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Copper	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Mercury	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Molybdenum	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Nickel	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Lead	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Antimony	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Selenium	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Thallium	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Uranium	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Vanadium	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452084	Zinc	ICAPQ-MS	2023-11-10	2023-11-10	AaN	EPA 200.8/6020
452107	Soil < 75um	Manual	2023-11-13	2023-11-13	IP	C Ag Particle
452107	Soil > 75um	Manual	2023-11-13	2023-11-13	IP	C Ag Particle
452107	Texture - Coarse Med/Fine	Manual	2023-11-13	2023-11-13	IP	C Ag Particle
452119	Copper	ICAPQ-MS	2023-11-13	2023-11-13	AaN	EPA 200.8/6020

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
 Date Submitted: 2023-11-07
 Date Reported: 2023-11-14
 Project: E23013
 COC #: 226346

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
452119	Nickel	ICAPQ-MS	2023-11-13	2023-11-13	AaN	EPA 200.8/6020
452119	Selenium	ICAPQ-MS	2023-11-13	2023-11-13	AaN	EPA 200.8/6020
452119	Zinc	ICAPQ-MS	2023-11-13	2023-11-13	AaN	EPA 200.8/6020
452120	Cyanide (CN-)	Skalar CN Analyzer	2023-11-13	2023-11-13	Z_S	MOECC E3015
452126	Boron (Hot Water Soluble)	iCAP OES	2023-11-13	2023-11-13	Z_S	MOECC E3470
452131	Chromium VI	FAA	2023-11-09	2023-11-14	MW	M US EPA 3060A
452141	PHC's F2	GC/FID	2023-11-14	2023-11-14	H_S	CCME
452141	PHC's F3	GC/FID	2023-11-14	2023-11-14	H_S	CCME
452141	PHC's F4	GC/FID	2023-11-14	2023-11-14	H_S	CCME
452141	Moisture-Humidite	Oven	2023-11-14	2023-11-14	H_S	ASTM 2216
452156	Soil < 75um	Manual	2023-11-14	2023-11-14	IP	C Ag Particle
452156	Soil > 75um	Manual	2023-11-14	2023-11-14	IP	C Ag Particle
452156	Texture - Coarse Med/Fine	Manual	2023-11-14	2023-11-14	IP	C Ag Particle
452176	PHC's F2-Naph	GC/FID	2023-11-14	2023-11-14	H_S	CCME
452177	PHC's F3-PAH	GC/FID	2023-11-14	2023-11-14	H_S	CCME

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

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

Client: Greenstone Engineering Ltd.
53 Parkwood Drive
Sault Ste. Marie, ON
P6A 5K6
Attention: Christian Tenaglia
PO#:
Invoice to: Greenstone Engineering Ltd.

Report Number: 3002933
Date Submitted: 2023-11-07
Date Reported: 2023-11-14
Project: E23013
COC #: 226346

CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.

Client: Greenstone Engineering Ltd.
53 Parkwood Drive
Sault Ste. Marie, ON
P6A 5K6

Attention: Christian Tenaglia
Invoice to: Greenstone Engineering Ltd.
PO#:

Report Number: 3003227
Date Submitted: 2023-11-15
Date Reported: 2023-11-22
Project: E23013
COC #: 226404
Temperature (C): 7
Custody Seal:

Page 1 of 36

Dear Christian Tenaglia:

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

Sample Comment Summary

Sample ID: 1711047 MW5 Cr(VI) MRL elevated due to matrix interference.

Sample ID: 1711053 MW18 Cr(VI) MRL elevated due to matrix interference.

Report Comments:

Raheleh Zafari, Environmental Chemist

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

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

O.Reg 153-T3-Non-Pot GW-Coarse

Exceedence Summary

Sample I.D.	Analyte	Result	Units	Criteria
PAH				
MW17	Benzo[a]pyrene	1.43	ug/L	STD 0.81
MW17	Benzo[b]fluoranthene	1.50	ug/L	STD 0.75
MW17	Benzo[ghi]perylene	0.5	ug/L	STD 0.2
MW17	Benzo[k]fluoranthene	0.95	ug/L	STD 0.4
MW17	Chrysene	1.90	ug/L	STD 1
MW17	Indeno[1 2 3-cd]pyrene	0.5	ug/L	STD 0.2
Volatiles				
MW5	Dichloroethylene, 1,1-	7.4	ug/L	STD 1.6

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Hydrocarbons

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

1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
2023-11-14	2023-11-14	2023-11-14	2023-11-14	2023-11-14
MW1	MW3	MW5	MW7	MW8
Analyte	Batch No	MRL	Units	Guideline

PHC's F1	452378	20	ug/L	STD 750	<20	<20	<20	<20	<20
PHC's F1-BTEX	452386	20	ug/L		<20	<20	<20	<20	<20
PHC's F2	452510	20	ug/L	STD 150	<20	<20	<20	<20	<20
PHC's F2-Naph	452588	20	ug/L		<20	<20	<20	<20	<20
PHC's F3	452510	50	ug/L	STD 500	<50	<50	<50	<50	<50
PHC's F3-PAH	452589	50	ug/L		<50	<50	<50	<50	<50
PHC's F4	452510	50	ug/L	STD 500	<50	<50	<50	<50	<50

Hydrocarbons

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

1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
MW11	MW13	MW17	MW18	MW19
Analyte	Batch No	MRL	Units	Guideline

PHC's F1	452378	20	ug/L	STD 750	<20	<20	<20	<20	<20
PHC's F1-BTEX	452383	20	ug/L					<20	<20
	452386	20	ug/L		<20				
	452504	20	ug/L			<20	<20		
PHC's F2	452510	20	ug/L	STD 150	<20	<20	<20	<20	<20
PHC's F2-Naph	452588	20	ug/L		<20	<20	<20	<20	<20
PHC's F3	452510	50	ug/L	STD 500	<50	<50	<50	<50	<50
PHC's F3-PAH	452589	50	ug/L		<50	<50	<50	<50	<50
PHC's F4	452510	50	ug/L	STD 500	<50	<50	<50	<50	<50

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Hydrocarbons

Lab I.D. 1711055
 Sample Matrix GW153
 Sample Type
 Sample Date 2023-11-13
 Sampling Time
 Sample I.D. MW15

Analyte	Batch No	MRL	Units	Guideline	
PHC's F1	452378	20	ug/L	STD 750	<20
PHC's F1-BTEX	452383	20	ug/L		<20
PHC's F2	452510	20	ug/L	STD 150	<20
PHC's F2-Naph	452588	20	ug/L		<20
PHC's F3	452510	50	ug/L	STD 500	<50
PHC's F3-PAH	452589	50	ug/L		<50
PHC's F4	452510	50	ug/L	STD 500	<50

Metals

Lab I.D. 1711045
 Sample Matrix GW153
 Sample Type
 Sample Date 2023-11-14
 Sampling Time
 Sample I.D. MW1

1711046	1711047	1711048	1711049
GW153	GW153	GW153	GW153
2023-11-14	2023-11-14	2023-11-14	2023-11-14
MW3	MW5	MW7	MW8

Analyte	Batch No	MRL	Units	Guideline					
Antimony	452480	0.5	ug/L	STD 20000	<0.5	<0.5	<0.5	1.3	2.8
Arsenic	452480	1	ug/L	STD 1900	3	6	9	19	2
Barium	452480	10	ug/L	STD 29000	180	310	290	280	70
Beryllium	452480	0.5	ug/L	STD 67	<0.5	<0.5	<0.5	<0.5	<0.5
Boron (total)	452480	10	ug/L	STD 45000	180	180	70	210	280
Cadmium	452480	0.1	ug/L	STD 2.7	<0.1	<0.1	<0.1	<0.1	0.3
Chromium Total	452480	1	ug/L	STD 810	<1	<1	1	<1	<1
Chromium VI	452645	10	ug/L	STD 140	<10	<10		<10	<10
		20	ug/L	STD 140			<20		
Cobalt	452480	0.2	ug/L	STD 66	5.8	1.9	7.2	11.6	14.3
Copper	452480	1	ug/L	STD 87	<1	<1	2	6	2
Lead	452480	1	ug/L	STD 25	<1	<1	<1	<1	<1

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	2023-11-14	2023-11-14	2023-11-14	2023-11-14	2023-11-14
					Sample Type					
					Sample Date					
					Sampling Time					
					Sample I.D.					
Mercury	452427	0.0001	ug/L	STD 0.29		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum	452480	5	ug/L	STD 9200		<5	<5	8	6	<5
Nickel	452480	5	ug/L	STD 490		15	<5	5	14	66
Selenium	452480	1	ug/L	STD 63		<1	<1	1	4	22
Silver	452480	0.1	ug/L	STD 1.5		<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	452563	1000	ug/L	STD 2300000		133000	257000	9000	65000	31000
Thallium	452480	0.1	ug/L	STD 510		<0.1	<0.1	<0.1	<0.1	<0.1
Uranium	452480	1	ug/L	STD 420		<1	4	7	2	3
Vanadium	452480	1	ug/L	STD 250		<1	2	5	3	<1
Zinc	452480	10	ug/L	STD 1100		30	<10	<10	20	110

Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
					Sample Matrix	2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
					Sample Type					
					Sample Date					
					Sampling Time					
					Sample I.D.					
Antimony	452480	0.5	ug/L	STD 20000		<0.5	<0.5	1.5	1.0	1.1
Arsenic	452480	1	ug/L	STD 1900		25	11	10	1	3
Barium	452480	10	ug/L	STD 29000		370	80	310	90	160
Beryllium	452480	0.5	ug/L	STD 67		<0.5	<0.5	<0.5	<0.5	<0.5
Boron (total)	452480	10	ug/L	STD 45000		260	200	260	170	70
Cadmium	452480	0.1	ug/L	STD 2.7		<0.1	<0.1	<0.1	<0.1	0.1
Chromium Total	452480	1	ug/L	STD 810		<1	<1	<1	2	<1
Chromium VI	452645	10	ug/L	STD 140		<10	<10	<10		<10
		20	ug/L	STD 140					<20	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Metals

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711050	1711051	1711052	1711053	1711054
					Sample Matrix	GW153	GW153	GW153	GW153	GW153
Cobalt	452480	0.2	ug/L	STD 66	2023-11-13	MW11	MW13	MW17	MW18	MW19
Copper	452480	1	ug/L	STD 87	<1	<1	3	4	1	
Lead	452480	1	ug/L	STD 25	<1	<1	1	<1	<1	<1
Mercury	452427	0.0001	ug/L	STD 0.29	<0.0001	<0.0001			<0.0001	<0.0001
	452512	0.0001	ug/L	STD 0.29			<0.0001			
Molybdenum	452480	5	ug/L	STD 9200	5	37	9	9	<5	
Nickel	452480	5	ug/L	STD 490	<5	<5	223	6	7	
Selenium	452480	1	ug/L	STD 63	<1	2	2	10	2	
Silver	452480	0.1	ug/L	STD 1.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sodium	452563	1000	ug/L	STD 2300000	131000	27000	14000	42000	6000	
Thallium	452480	0.1	ug/L	STD 510	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Uranium	452480	1	ug/L	STD 420	1	5	4	2	2	
Vanadium	452480	1	ug/L	STD 250	1	6	<1	1	2	
Zinc	452480	10	ug/L	STD 1100	<10	<10	20	<10	30	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Metals

Lab I.D.	1711055
Sample Matrix	GW153
Sample Type	
Sample Date	
Sampling Time	
Sample I.D.	2023-11-13
	MW15

Analyte	Batch No	MRL	Units	Guideline	
Antimony	452480	0.5	ug/L	STD 20000	<0.5
Arsenic	452480	1	ug/L	STD 1900	7
Barium	452480	10	ug/L	STD 29000	190
Beryllium	452480	0.5	ug/L	STD 67	<0.5
Boron (total)	452480	10	ug/L	STD 45000	280
Cadmium	452480	0.1	ug/L	STD 2.7	<0.1
Chromium Total	452480	1	ug/L	STD 810	<1
Chromium VI	452645	10	ug/L	STD 140	<10
Cobalt	452480	0.2	ug/L	STD 66	1.8
Copper	452480	1	ug/L	STD 87	1
Lead	452480	1	ug/L	STD 25	<1
Mercury	452427	0.0001	ug/L	STD 0.29	<0.0001
Molybdenum	452480	5	ug/L	STD 9200	11
Nickel	452480	5	ug/L	STD 490	<5
Selenium	452480	1	ug/L	STD 63	<1
Silver	452480	0.1	ug/L	STD 1.5	<0.1
Sodium	452563	1000	ug/L	STD 2300000	41000
Thallium	452480	0.1	ug/L	STD 510	<0.1
Uranium	452480	1	ug/L	STD 420	3
Vanadium	452480	1	ug/L	STD 250	<1
Zinc	452480	10	ug/L	STD 1100	<10

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
PAH

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.	2023-11-14
Analyte	Batch No	MRL	Units	Guideline						
1+2-methylnaphthalene	452353	0.1	ug/L	STD 1800	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthene	450565	0.1	ug/L	STD 600	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	450565	0.1	ug/L	STD 1.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anthracene	450565	0.1	ug/L	STD 2.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benz[a]anthracene	450565	0.1	ug/L	STD 4.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo(b+k)fluoranthene	208523	0.1	ug/L		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[a]pyrene	450565	0.01	ug/L	STD 0.81	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Benzo[b]fluoranthene	450565	0.05	ug/L	STD 0.75	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Benzo[ghi]perylene	450565	0.1	ug/L	STD 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benzo[k]fluoranthene	450565	0.05	ug/L	STD 0.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chrysene	450565	0.05	ug/L	STD 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dibenz[a h]anthracene	450565	0.1	ug/L	STD 0.52	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluoranthene	450565	0.1	ug/L	STD 130	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Fluorene	450565	0.1	ug/L	STD 400	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Indeno[1 2 3-cd]pyrene	450565	0.1	ug/L	STD 0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylnaphthalene, 1-	450565	0.1	ug/L	STD 1800	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylnaphthalene, 2-	450565	0.1	ug/L	STD 1800	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Naphthalene	450565	0.1	ug/L	STD 1400	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Phenanthrene	450565	0.1	ug/L	STD 580	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Pyrene	450565	0.1	ug/L	STD 68	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
PAH

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

	1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
	2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
	MW11	MW13	MW17	MW18	MW19
Analyte	Batch No	MRL	Units	Guideline	

1+2-methylnaphthalene	452353	0.1	ug/L	STD 1800	<0.1	<0.1	<0.1	0.2	<0.1
Acenaphthene	450565	0.1	ug/L	STD 600	<0.1	<0.1	<0.1	<0.1	<0.1
Acenaphthylene	450565	0.1	ug/L	STD 1.8	<0.1	<0.1	0.2	<0.1	<0.1
Anthracene	450565	0.1	ug/L	STD 2.4	<0.1	<0.1	0.5	<0.1	<0.1
Benz[a]anthracene	450565	0.1	ug/L	STD 4.7	<0.1	<0.1	1.4	0.2	<0.1
Benzo(b+k)fluoranthene	208523	0.1	ug/L		<0.1	<0.1	2.4	0.5	<0.1
Benzo[a]pyrene	450565	0.01	ug/L	STD 0.81	<0.01	<0.01	1.43*	0.22	<0.01
Benzo[b]fluoranthene	450565	0.05	ug/L	STD 0.75	<0.05	<0.05	1.50*	0.28	<0.05
Benzo[ghi]perylene	450565	0.1	ug/L	STD 0.2	<0.1	<0.1	0.5*	<0.1	<0.1
Benzo[k]fluoranthene	450565	0.05	ug/L	STD 0.4	<0.05	<0.05	0.95*	0.18	<0.05
Chrysene	450565	0.05	ug/L	STD 1	<0.05	<0.05	1.90*	0.22	<0.05
Dibenz[a h]anthracene	450565	0.1	ug/L	STD 0.52	<0.1	<0.1	0.2	<0.1	<0.1
Fluoranthene	450565	0.1	ug/L	STD 130	<0.1	<0.1	2.2	0.3	<0.1
Fluorene	450565	0.1	ug/L	STD 400	<0.1	<0.1	0.2	<0.1	<0.1
Indeno[1 2 3-cd]pyrene	450565	0.1	ug/L	STD 0.2	<0.1	<0.1	0.5*	0.1	<0.1
Methylnaphthalene, 1-	450565	0.1	ug/L	STD 1800	<0.1	<0.1	<0.1	0.1	<0.1
Methylnaphthalene, 2-	450565	0.1	ug/L	STD 1800	<0.1	<0.1	<0.1	0.1	<0.1
Naphthalene	450565	0.1	ug/L	STD 1400	<0.1	<0.1	0.2	0.3	<0.1
Phenanthrene	450565	0.1	ug/L	STD 580	<0.1	<0.1	0.6	0.2	<0.1
Pyrene	450565	0.1	ug/L	STD 68	<0.1	<0.1	1.6	0.3	<0.1

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
PAH

Lab I.D.	1711055
Sample Matrix	GW153
Sample Type	
Sample Date	2023-11-13
Sampling Time	
Sample I.D.	MW15

Analyte	Batch No	MRL	Units	Guideline	
1+2-methylnaphthalene	452353	0.1	ug/L	STD 1800	<0.1
Acenaphthene	450565	0.1	ug/L	STD 600	<0.1
Acenaphthylene	450565	0.1	ug/L	STD 1.8	<0.1
Anthracene	450565	0.1	ug/L	STD 2.4	<0.1
Benz[a]anthracene	450565	0.1	ug/L	STD 4.7	<0.1
Benzo(b+k)fluoranthene	208523	0.1	ug/L		<0.1
Benzo[a]pyrene	450565	0.01	ug/L	STD 0.81	<0.01
Benzo[b]fluoranthene	450565	0.05	ug/L	STD 0.75	<0.05
Benzo[ghi]perylene	450565	0.1	ug/L	STD 0.2	<0.1
Benzo[k]fluoranthene	450565	0.05	ug/L	STD 0.4	<0.05
Chrysene	450565	0.05	ug/L	STD 1	<0.05
Dibenz[a h]anthracene	450565	0.1	ug/L	STD 0.52	<0.1
Fluoranthene	450565	0.1	ug/L	STD 130	<0.1
Fluorene	450565	0.1	ug/L	STD 400	<0.1
Indeno[1 2 3-cd]pyrene	450565	0.1	ug/L	STD 0.2	<0.1
Methylnaphthalene, 1-	450565	0.1	ug/L	STD 1800	<0.1
Methylnaphthalene, 2-	450565	0.1	ug/L	STD 1800	<0.1
Naphthalene	450565	0.1	ug/L	STD 1400	<0.1
Phenanthrene	450565	0.1	ug/L	STD 580	<0.1
Pyrene	450565	0.1	ug/L	STD 68	<0.1

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	2023-11-14	MW1	MW3	MW5	MW7
Acetone	452376	5	ug/L	STD 130000	<5	<5				<5
	452485	5	ug/L	STD 130000			233	84		
Benzene	452376	0.5	ug/L	STD 44	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 44			<0.5	<0.5		
Bromodichloromethane	452376	0.3	ug/L	STD 85000	<0.3	<0.3				<0.3
	452485	0.3	ug/L	STD 85000			<0.3	<0.3		
Bromoform	452376	0.4	ug/L	STD 380	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 380			<0.4	<0.4		
Bromomethane	452376	0.5	ug/L	STD 5.6	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 5.6			<0.5	<0.5		
Carbon Tetrachloride	452376	0.2	ug/L	STD 0.79	<0.2	<0.2				<0.2
	452485	0.2	ug/L	STD 0.79			<0.2	<0.2		
Chlorobenzene	452376	0.5	ug/L	STD 630	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 630			<0.5	<0.5		
Chloroform	452376	0.5	ug/L	STD 2.4	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 2.4			<0.5	<0.5		
Dibromochloromethane	452376	0.3	ug/L	STD 82000	<0.3	<0.3				<0.3
	452485	0.3	ug/L	STD 82000			<0.3	<0.3		
Dichlorobenzene, 1,2-	452376	0.4	ug/L	STD 4600	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 4600			<0.4	<0.4		
Dichlorobenzene, 1,3-	452376	0.4	ug/L	STD 9600	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 9600			<0.4	<0.4		
Dichlorobenzene, 1,4-	452376	0.4	ug/L	STD 8	<0.4	<0.4				<0.4

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	2023-11-14	2023-11-14	2023-11-14	2023-11-14	2023-11-14
Sample Type	MW1	MW3	MW5	MW7	MW8					
Dichlorobenzene, 1,4-	452485	0.4	ug/L	STD 8			<0.4	<0.4	<0.4	
Dichlorodifluoromethane	452376	0.5	ug/L	STD 4400	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 4400			<0.5	<0.5	<0.5	
Dichloroethane, 1,1-	452376	0.4	ug/L	STD 320	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 320			<0.4	<0.4	<0.4	
Dichloroethane, 1,2-	452376	0.5	ug/L	STD 1.6	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 1.6			<0.5	<0.5	<0.5	
Dichloroethylene, 1,1-	452376	0.5	ug/L	STD 1.6	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 1.6			7.4*	<0.5	<0.5	
Dichloroethylene, 1,2-cis-	452376	0.4	ug/L	STD 1.6	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 1.6			<0.4	<0.4	<0.4	
Dichloroethylene, 1,2-trans-	452376	0.4	ug/L	STD 1.6	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 1.6			<0.4	<0.4	<0.4	
Dichloropropane, 1,2-	452376	0.5	ug/L	STD 16	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 16			<0.5	<0.5	<0.5	
Dichloropropene, 1,3-	452385	0.5	ug/L	STD 5.2	<0.5	<0.5				<0.5
	452500	0.5	ug/L	STD 5.2			<0.5	<0.5	<0.5	
Dichloropropene, 1,3-cis-	452376	0.5	ug/L		<0.5	<0.5				<0.5
	452485	0.5	ug/L				<0.5	<0.5	<0.5	
Dichloropropene, 1,3-trans-	452376	0.5	ug/L		<0.5	<0.5				<0.5
	452485	0.5	ug/L				<0.5	<0.5	<0.5	
Ethylbenzene	452376	0.5	ug/L	STD 2300	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 2300			<0.5	<0.5	<0.5	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	2023-11-14	2023-11-14	2023-11-14	2023-11-14	2023-11-14
Sample Type	MW1	MW3	MW5	MW7	MW8					
Ethylene dibromide	452376	0.2	ug/L	STD 0.25	<0.2	<0.2				<0.2
	452485	0.2	ug/L	STD 0.25			<0.2	<0.2		
Hexane (n)	452376	5	ug/L	STD 51	<5	<5				<5
	452485	5	ug/L	STD 51			<5	<5		
Methyl Ethyl Ketone	452376	2	ug/L	STD 470000	<2	<2				<2
	452485	2	ug/L	STD 470000			17	<2		
Methyl Isobutyl Ketone	452376	5	ug/L	STD 140000	<5	<5				<5
	452485	5	ug/L	STD 140000			<5	<5		
Methyl tert-Butyl Ether (MTBE)	452376	2	ug/L	STD 190	<2	<2				<2
	452485	2	ug/L	STD 190			<2	<2		
Methylene Chloride	452376	4.0	ug/L	STD 610	<4.0	<4.0				<4.0
	452485	4.0	ug/L	STD 610			8.6	<4.0		
Styrene	452376	0.5	ug/L	STD 1300	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 1300			<0.5	<0.5		
Tetrachloroethane, 1,1,1,2-	452376	0.5	ug/L	STD 3.3	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 3.3			<0.5	<0.5		
Tetrachloroethane, 1,1,2,2-	452376	0.5	ug/L	STD 3.2	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 3.2			<0.5	<0.5		
Tetrachloroethylene	452376	0.3	ug/L	STD 1.6	<0.3	<0.3				<0.3
	452485	0.3	ug/L	STD 1.6			<0.3	<0.3		
Toluene	452376	0.4	ug/L	STD 18000	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 18000			<0.4	<0.4		
Trichloroethane, 1,1,1-	452376	0.4	ug/L	STD 640	<0.4	<0.4				<0.4

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	2023-11-14	2023-11-14	2023-11-14	2023-11-14	2023-11-14
Sample Type	MW1	MW3	MW5	MW7	MW8					
Trichloroethane, 1,1,1-	452485	0.4	ug/L	STD 640			<0.4	<0.4	<0.4	
Trichloroethane, 1,1,2-	452376	0.4	ug/L	STD 4.7	<0.4	<0.4				<0.4
	452485	0.4	ug/L	STD 4.7			<0.4	<0.4	<0.4	
Trichloroethylene	452376	0.3	ug/L	STD 1.6	<0.3	<0.3				<0.3
	452485	0.3	ug/L	STD 1.6			<0.3	<0.3	<0.3	
Trichlorofluoromethane	452376	0.5	ug/L	STD 2500	<0.5	<0.5				<0.5
	452485	0.5	ug/L	STD 2500			<0.5	<0.5	<0.5	
Vinyl Chloride	452376	0.2	ug/L	STD 0.5	<0.2	<0.2				<0.2
	452485	0.2	ug/L	STD 0.5			<0.2	<0.2	<0.2	
Xylene Mixture	452379	0.5	ug/L	STD 4200	<0.5	<0.5				
	452380	0.5	ug/L	STD 4200						<0.5
	452501	0.5	ug/L	STD 4200				<0.5		
	452503	0.5	ug/L	STD 4200			<0.5			
Xylene, m/p-	452376	0.4	ug/L		<0.4	<0.4				<0.4
	452485	0.4	ug/L				<0.4	<0.4	<0.4	
Xylene, o-	452376	0.4	ug/L		<0.4	<0.4				<0.4
	452485	0.4	ug/L				<0.4	<0.4	<0.4	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Lab I.D. Sample Matrix Sample Type Sample Date Sampling Time Sample I.D.	1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
					2023-11-13	MW11	MW13	MW17	MW18
Acetone	452376	5	ug/L	STD 130000	<5			<5	<5
	452485	5	ug/L	STD 130000		105	153		
Benzene	452376	0.5	ug/L	STD 44	<0.5			<0.5	<0.5
	452485	0.5	ug/L	STD 44		<0.5	<0.5		
Bromodichloromethane	452376	0.3	ug/L	STD 85000	<0.3			<0.3	<0.3
	452485	0.3	ug/L	STD 85000		<0.3	<0.3		
Bromoform	452376	0.4	ug/L	STD 380	<0.4			<0.4	<0.4
	452485	0.4	ug/L	STD 380		<0.4	<0.4		
Bromomethane	452376	0.5	ug/L	STD 5.6	<0.5			<0.5	<0.5
	452485	0.5	ug/L	STD 5.6		<0.5	<0.5		
Carbon Tetrachloride	452376	0.2	ug/L	STD 0.79	<0.2			<0.2	<0.2
	452485	0.2	ug/L	STD 0.79		<0.2	<0.2		
Chlorobenzene	452376	0.5	ug/L	STD 630	<0.5			<0.5	<0.5
	452485	0.5	ug/L	STD 630		<0.5	<0.5		
Chloroform	452376	0.5	ug/L	STD 2.4	<0.5			<0.5	<0.5
	452485	0.5	ug/L	STD 2.4		<0.5	<0.5		
Dibromochloromethane	452376	0.3	ug/L	STD 82000	<0.3			<0.3	<0.3
	452485	0.3	ug/L	STD 82000		<0.3	<0.3		
Dichlorobenzene, 1,2-	452376	0.4	ug/L	STD 4600	<0.4			<0.4	<0.4
	452485	0.4	ug/L	STD 4600		<0.4	<0.4		
Dichlorobenzene, 1,3-	452376	0.4	ug/L	STD 9600	<0.4			<0.4	<0.4
	452485	0.4	ug/L	STD 9600		<0.4	<0.4		
Dichlorobenzene, 1,4-	452376	0.4	ug/L	STD 8	<0.4			<0.4	<0.4

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711050	1711051	1711052	1711053	1711054
					Sample Matrix	GW153	GW153	GW153	GW153	GW153
					Sample Type	2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
					Sample Date					
					Sampling Time					
					Sample I.D.	MW11	MW13	MW17	MW18	MW19
Dichlorobenzene, 1,4-	452485	0.4	ug/L	STD 8		<0.4	<0.4			
Dichlorodifluoromethane	452376	0.5	ug/L	STD 4400	<0.5				<0.5	<0.5
	452485	0.5	ug/L	STD 4400		<0.5	<0.5			
Dichloroethane, 1,1-	452376	0.4	ug/L	STD 320	<0.4				<0.4	<0.4
	452485	0.4	ug/L	STD 320		<0.4	<0.4			
Dichloroethane, 1,2-	452376	0.5	ug/L	STD 1.6	<0.5				<0.5	<0.5
	452485	0.5	ug/L	STD 1.6		<0.5	<0.5			
Dichloroethylene, 1,1-	452376	0.5	ug/L	STD 1.6	<0.5				<0.5	<0.5
	452485	0.5	ug/L	STD 1.6		<0.5	<0.5			
Dichloroethylene, 1,2-cis-	452376	0.4	ug/L	STD 1.6	<0.4				<0.4	<0.4
	452485	0.4	ug/L	STD 1.6		<0.4	<0.4			
Dichloroethylene, 1,2-trans-	452376	0.4	ug/L	STD 1.6	<0.4				<0.4	<0.4
	452485	0.4	ug/L	STD 1.6		<0.4	<0.4			
Dichloropropane, 1,2-	452376	0.5	ug/L	STD 16	<0.5				<0.5	<0.5
	452485	0.5	ug/L	STD 16		<0.5	<0.5			
Dichloropropene, 1,3-	452382	0.5	ug/L	STD 5.2					<0.5	<0.5
	452385	0.5	ug/L	STD 5.2	<0.5					
	452500	0.5	ug/L	STD 5.2		<0.5	<0.5			
Dichloropropene, 1,3-cis-	452376	0.5	ug/L		<0.5				<0.5	<0.5
	452485	0.5	ug/L			<0.5	<0.5			
Dichloropropene, 1,3-trans-	452376	0.5	ug/L		<0.5				<0.5	<0.5
	452485	0.5	ug/L			<0.5	<0.5			
Ethylbenzene	452376	0.5	ug/L	STD 2300	<0.5				<0.5	<0.5

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

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

1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
MW11	MW13	MW17	MW18	MW19

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	Sample Matrix	Sample Type	Sample Date	Sampling Time	Sample I.D.
Ethylbenzene	452485	0.5	ug/L	STD 2300				<0.5	<0.5	
Ethylene dibromide	452376	0.2	ug/L	STD 0.25	<0.2					<0.2
	452485	0.2	ug/L	STD 0.25			<0.2	<0.2		
Hexane (n)	452376	5	ug/L	STD 51	<5					<5
	452485	5	ug/L	STD 51			<5	<5		
Methyl Ethyl Ketone	452376	2	ug/L	STD 470000	<2					<2
	452485	2	ug/L	STD 470000			<2	<2		
Methyl Isobutyl Ketone	452376	5	ug/L	STD 140000	<5					<5
	452485	5	ug/L	STD 140000			<5	<5		
Methyl tert-Butyl Ether (MTBE)	452376	2	ug/L	STD 190	<2					<2
	452485	2	ug/L	STD 190			<2	<2		
Methylene Chloride	452376	4.0	ug/L	STD 610	<4.0					<4.0
	452485	4.0	ug/L	STD 610			<4.0	<4.0		
Styrene	452376	0.5	ug/L	STD 1300	<0.5					<0.5
	452485	0.5	ug/L	STD 1300			<0.5	<0.5		
Tetrachloroethane, 1,1,1,2-	452376	0.5	ug/L	STD 3.3	<0.5					<0.5
	452485	0.5	ug/L	STD 3.3			<0.5	<0.5		
Tetrachloroethane, 1,1,2,2-	452376	0.5	ug/L	STD 3.2	<0.5					<0.5
	452485	0.5	ug/L	STD 3.2			<0.5	<0.5		
Tetrachloroethylene	452376	0.3	ug/L	STD 1.6	<0.3					<0.3
	452485	0.3	ug/L	STD 1.6			<0.3	<0.3		
Toluene	452376	0.4	ug/L	STD 18000	<0.4					<0.4
	452485	0.4	ug/L	STD 18000			<0.4	<0.4		

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711050	1711051	1711052	1711053	1711054
					Sample Matrix	GW153	GW153	GW153	GW153	GW153
					Sample Type	2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
					Sample Date					
					Sampling Time					
					Sample I.D.	MW11	MW13	MW17	MW18	MW19
Trichloroethane, 1,1,1-	452376	0.4	ug/L	STD 640	<0.4				<0.4	<0.4
	452485	0.4	ug/L	STD 640		<0.4	<0.4			
Trichloroethane, 1,1,2-	452376	0.4	ug/L	STD 4.7	<0.4				<0.4	<0.4
	452485	0.4	ug/L	STD 4.7		<0.4	<0.4			
Trichloroethylene	452376	0.3	ug/L	STD 1.6	<0.3				<0.3	<0.3
	452485	0.3	ug/L	STD 1.6		<0.3	<0.3			
Trichlorofluoromethane	452376	0.5	ug/L	STD 2500	<0.5				<0.5	<0.5
	452485	0.5	ug/L	STD 2500		<0.5	<0.5			
Vinyl Chloride	452376	0.2	ug/L	STD 0.5	<0.2				<0.2	<0.2
	452485	0.2	ug/L	STD 0.5		<0.2	<0.2			
Xylene Mixture	452380	0.5	ug/L	STD 4200	<0.5					
	452381	0.5	ug/L	STD 4200					<0.5	<0.5
	452501	0.5	ug/L	STD 4200		<0.5	<0.5			
Xylene, m/p-	452376	0.4	ug/L		<0.4				<0.4	<0.4
	452485	0.4	ug/L			<0.4	<0.4			
Xylene, o-	452376	0.4	ug/L		<0.4				<0.4	<0.4
	452485	0.4	ug/L			<0.4	<0.4			

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Volatiles

Lab I.D.	1711055
Sample Matrix	GW153
Sample Type	
Sample Date	2023-11-13
Sampling Time	
Sample I.D.	MW15

Analyte	Batch No	MRL	Units	Guideline	
Acetone	452376	5	ug/L	STD 130000	<5
Benzene	452376	0.5	ug/L	STD 44	<0.5
Bromodichloromethane	452376	0.3	ug/L	STD 85000	<0.3
Bromoform	452376	0.4	ug/L	STD 380	<0.4
Bromomethane	452376	0.5	ug/L	STD 5.6	<0.5
Carbon Tetrachloride	452376	0.2	ug/L	STD 0.79	<0.2
Chlorobenzene	452376	0.5	ug/L	STD 630	<0.5
Chloroform	452376	0.5	ug/L	STD 2.4	<0.5
Dibromochloromethane	452376	0.3	ug/L	STD 82000	<0.3
Dichlorobenzene, 1,2-	452376	0.4	ug/L	STD 4600	<0.4
Dichlorobenzene, 1,3-	452376	0.4	ug/L	STD 9600	<0.4
Dichlorobenzene, 1,4-	452376	0.4	ug/L	STD 8	<0.4
Dichlorodifluoromethane	452376	0.5	ug/L	STD 4400	<0.5
Dichloroethane, 1,1-	452376	0.4	ug/L	STD 320	<0.4
Dichloroethane, 1,2-	452376	0.5	ug/L	STD 1.6	<0.5
Dichloroethylene, 1,1-	452376	0.5	ug/L	STD 1.6	<0.5
Dichloroethylene, 1,2-cis-	452376	0.4	ug/L	STD 1.6	<0.4
Dichloroethylene, 1,2-trans-	452376	0.4	ug/L	STD 1.6	<0.4
Dichloropropane, 1,2-	452376	0.5	ug/L	STD 16	<0.5
Dichloropropene, 1,3-	452382	0.5	ug/L	STD 5.2	<0.5
Dichloropropene, 1,3-cis-	452376	0.5	ug/L		<0.5
Dichloropropene, 1,3-trans-	452376	0.5	ug/L		<0.5
Ethylbenzene	452376	0.5	ug/L	STD 2300	<0.5

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse**Volatiles**

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

1711055
 GW153
 2023-11-13
 MW15

Analyte	Batch No	MRL	Units	Guideline	
Ethylene dibromide	452376	0.2	ug/L	STD 0.25	<0.2
Hexane (n)	452376	5	ug/L	STD 51	<5
Methyl Ethyl Ketone	452376	2	ug/L	STD 470000	<2
Methyl Isobutyl Ketone	452376	5	ug/L	STD 140000	<5
Methyl tert-Butyl Ether (MTBE)	452376	2	ug/L	STD 190	<2
Methylene Chloride	452376	4.0	ug/L	STD 610	<4.0
Styrene	452376	0.5	ug/L	STD 1300	<0.5
Tetrachloroethane, 1,1,1,2-	452376	0.5	ug/L	STD 3.3	<0.5
Tetrachloroethane, 1,1,2,2-	452376	0.5	ug/L	STD 3.2	<0.5
Tetrachloroethylene	452376	0.3	ug/L	STD 1.6	<0.3
Toluene	452376	0.4	ug/L	STD 18000	<0.4
Trichloroethane, 1,1,1-	452376	0.4	ug/L	STD 640	<0.4
Trichloroethane, 1,1,2-	452376	0.4	ug/L	STD 4.7	<0.4
Trichloroethylene	452376	0.3	ug/L	STD 1.6	<0.3
Trichlorofluoromethane	452376	0.5	ug/L	STD 2500	<0.5
Vinyl Chloride	452376	0.2	ug/L	STD 0.5	<0.2
Xylene Mixture	452381	0.5	ug/L	STD 4200	<0.5
Xylene, m/p-	452376	0.4	ug/L		<0.4
Xylene, o-	452376	0.4	ug/L		<0.4

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Inorganics

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	2023-11-14	MW1	MW3	MW5	MW7
Chloride	452483	1000	ug/L	STD 2300000					14000	42000
	452546	1000	ug/L	STD 2300000	184000	362000	15000			
Conductivity	452448	5	uS/cm		1500	2040	1150	1140	2520	
Cyanide (CN-)	452572	5	ug/L	STD 66	<5	<5	<5	<5	<5	<5
pH	452448	1.00			7.34	7.49	7.19	6.95	6.66	

Inorganics

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
					Sample Matrix	2023-11-13	MW11	MW13	MW17	MW18
Chloride	452483	1000	ug/L	STD 2300000	30000	48000	7000	19000	39000	
Conductivity	452448	5	uS/cm		1270	915	1270	891	712	
Cyanide (CN-)	452572	5	ug/L	STD 66	<5	<5	<5	<5	<5	<5
pH	452448	1.00			7.39	7.56	7.62	7.50	7.13	

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
Inorganics

Lab I.D.	1711055
Sample Matrix	GW153
Sample Type	
Sample Date	2023-11-13
Sampling Time	
Sample I.D.	MW15

Analyte	Batch No	MRL	Units	Guideline	
Chloride	452483	1000	ug/L	STD 2300000	2000
Conductivity	452448	5	uS/cm		1160
Cyanide (CN-)	452572	5	ug/L	STD 66	<5
pH	452448	1.00			7.19

PHC Surrogate

Lab I.D.	1711045	1711046	1711047	1711048	1711049
Sample Matrix	GW153	GW153	GW153	GW153	GW153
Sample Type					
Sample Date	2023-11-14	2023-11-14	2023-11-14	2023-11-14	2023-11-14
Sampling Time					
Sample I.D.	MW1	MW3	MW5	MW7	MW8

Analyte	Batch No	MRL	Units	Guideline				
Alpha-androstrane	452510	0	%		115	109	106	107

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
PHC Surrogate

Lab I.D.	1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
Sample Matrix					
Sample Type					
Sample Date	2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
Sampling Time					
Sample I.D.	MW11	MW13	MW17	MW18	MW19

Analyte	Batch No	MRL	Units	Guideline					
Alpha-androstrane	452510	0	%		108	111	110	105	107

PHC Surrogate

Lab I.D.	1711055
Sample Matrix	GW153
Sample Type	
Sample Date	2023-11-13
Sampling Time	
Sample I.D.	MW15

Analyte	Batch No	MRL	Units	Guideline	
Alpha-androstrane	452510	0	%		112

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse
VOCs Surrogates

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711045 GW153	1711046 GW153	1711047 GW153	1711048 GW153	1711049 GW153
					Sample Matrix	2023-11-14	MW1	MW3	MW5	MW7
1,2-dichloroethane-d4	452376	0	%		118	117				114
	452485	0	%					114	112	
4-bromofluorobenzene	452376	0	%		89	88				88
	452485	0	%					91	90	
Toluene-d8	452376	0	%		94	94				95
	452485	0	%					99	94	

VOCs Surrogates

Analyte	Batch No	MRL	Units	Guideline	Lab I.D.	1711050 GW153	1711051 GW153	1711052 GW153	1711053 GW153	1711054 GW153
					Sample Matrix	2023-11-13	2023-11-13	2023-11-14	2023-11-13	2023-11-13
1,2-dichloroethane-d4	452376	0	%		118				121	120
	452485	0	%			112	117			
4-bromofluorobenzene	452376	0	%		91				89	72
	452485	0	%			90	88			
Toluene-d8	452376	0	%		95				94	107
	452485	0	%			95	95			

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Guideline = O.Reg 153-T3-Non-Pot GW-Coarse**VOCs Surrogates**

Lab I.D.	1711055
Sample Matrix	GW153
Sample Type	
Sample Date	2023-11-13
Sampling Time	
Sample I.D.	MW15

Analyte	Batch No	MRL	Units	Guideline	
1,2-dichloroethane-d4	452376	0	%		122
4-bromofluorobenzene	452376	0	%		71
Toluene-d8	452376	0	%		106

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
208523	Benzo(b+k)fluoranthene							
450565	Methlynaphthalene, 1-	<0.1 ug/L	64	50-140		50-140		0-30
450565	Methlynaphthalene, 2-	<0.1 ug/L	60	50-140		50-140		0-30
450565	Acenaphthene	<0.1 ug/L	60	50-140		50-140		0-30
450565	Acenaphthylene	<0.1 ug/L	58	50-140		50-140		0-30
450565	Anthracene	<0.1 ug/L	66	50-140		50-140		0-30
450565	Benz[a]anthracene	<0.1 ug/L	72	50-140		50-140		0-30
450565	Benzo[a]pyrene	<0.01 ug/L	72	50-140		50-140		0-30
450565	Benzo[b]fluoranthene	<0.05 ug/L	57	50-140		50-140		0-30
450565	Benzo[ghi]perylene	<0.1 ug/L	72	50-140		50-140		0-30
450565	Benzo[k]fluoranthene	<0.05 ug/L	89	50-140		50-140		0-30
450565	Chrysene	<0.05 ug/L	74	50-140		50-140		0-30
450565	Dibenz[a h]anthracene	<0.1 ug/L	66	50-140		50-140		0-30
450565	Fluoranthene	<0.1 ug/L	72	50-140		50-140		0-30
450565	Fluorene	<0.1 ug/L	58	50-140		50-140		0-30
450565	Indeno[1 2 3-cd]pyrene	<0.1 ug/L	68	50-140		50-140		0-30
450565	Naphthalene	<0.1 ug/L	54	50-140		50-140		0-30
450565	Phenanthrene	<0.1 ug/L	66	50-140		50-140		0-30
450565	Pyrene	<0.1 ug/L	72	50-140		50-140		0-30
452353	1+2-methylnaphthalene							
452376	Tetrachloroethane, 1,1,1,2-	<0.5 ug/L	122	60-130	109	50-140	0	0-30
452376	Trichloroethane, 1,1,1-	<0.4 ug/L	115	60-130	113	50-140	0	0-30
452376	Tetrachloroethane, 1,1,2,2-	<0.5 ug/L	119	60-130	110	50-140	0	0-30
452376	Trichloroethane, 1,1,2-	<0.4 ug/L	121	60-130	107	50-140	0	0-30
452376	Dichloroethane, 1,1-	<0.4 ug/L	117	60-130	119	50-140	0	0-30
452376	Dichloroethylene, 1,1-	<0.5 ug/L	108	60-130	112	50-140	0	0-30
452376	Dichlorobenzene, 1,2-	<0.4 ug/L	120	60-130	102	50-140	0	0-30
452376	Dichloroethane, 1,2-	<0.5 ug/L	121	60-130	124	50-140	0	0-30
452376	Dichloropropane, 1,2-	<0.5 ug/L	124	60-130	120	50-140	0	0-30
452376	Dichlorobenzene, 1,3-	<0.4 ug/L	120	60-130	101	50-140	0	0-30
452376	Dichlorobenzene, 1,4-	<0.4 ug/L	121	60-130	101	50-140	0	0-30
452376	Acetone	<5 ug/L	120	60-130	92	50-140	0	0-30

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
452376	Benzene	<0.5 ug/L	113	60-130	120	50-140	0	0-30
452376	Bromodichloromethane	<0.3 ug/L	120	60-130	121	50-140	0	0-30
452376	Bromoform	<0.4 ug/L	118	60-130	101	50-140	0	0-30
452376	Bromomethane	<0.5 ug/L	105	60-130	112	50-140	0	0-30
452376	Dichloroethylene, 1,2-cis-	<0.4 ug/L	121	60-130	120	50-140	0	0-30
452376	Dichloropropene,1,3-cis-	<0.5 ug/L	118	60-130	112	50-140	0	0-30
452376	Carbon Tetrachloride	<0.2 ug/L	115	60-130	113	50-140	0	0-30
452376	Chloroform	<0.5 ug/L	121	60-130	119	50-140	0	0-30
452376	Dibromochloromethane	<0.3 ug/L	120	60-130	103	50-140	0	0-30
452376	Dichlorodifluoromethane	<0.5 ug/L	114	60-130	101	50-140	0	0-30
452376	Methylene Chloride	<4.0 ug/L	102	60-130	122	50-140	0	0-30
452376	Ethylbenzene	<0.5 ug/L	116	60-130	112	50-140	0	0-30
452376	Ethylene dibromide	<0.2 ug/L	120	60-130	100	50-140	0	0-30
452376	Hexane (n)	<5 ug/L	110	60-130	109	50-140	0	0-30
452376	Xylene, m/p-	<0.4 ug/L	119	60-130	112	50-140	0	0-30
452376	Methyl Ethyl Ketone	<2 ug/L	120	60-130	121	50-140	0	0-30
452376	Methyl Isobutyl Ketone	<5 ug/L	120	60-130	107	50-140	0	0-30
452376	Methyl tert-Butyl Ether (MTBE)	<2 ug/L	120	60-130	119	50-140	0	0-30
452376	Chlorobenzene	<0.5 ug/L	115	60-130	109	50-140	0	0-30
452376	Xylene, o-	<0.4 ug/L	117	60-130	113	50-140	0	0-30
452376	Styrene	<0.5 ug/L	117	60-130	111	50-140	0	0-30
452376	Dichloroethylene, 1,2-trans-	<0.4 ug/L	120	60-130	118	50-140	0	0-30
452376	Dichloropropene,1,3-trans-	<0.5 ug/L	119	60-130	111	50-140	0	0-30
452376	Tetrachloroethylene	<0.3 ug/L	119	60-130	112	50-140	0	0-30
452376	Toluene	<0.4 ug/L	115	60-130	126	50-140	0	0-30
452376	Trichloroethylene	<0.3 ug/L	115	60-130	112	50-140	0	0-30
452376	Trichlorofluoromethane	<0.5 ug/L	116	60-130	105	50-140	0	0-30
452376	Vinyl Chloride	<0.2 ug/L	106	60-130	111	50-140	0	0-30
452378	PHC's F1	<20 ug/L	100	60-140	86	60-140	0	0-30
452379	Xylene Mixture							
452380	Xylene Mixture							
452381	Xylene Mixture							
452382	Dichloropropene,1,3-							

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
452383	PHC's F1-BTEX							
452385	Dichloropropene,1,3-							
452386	PHC's F1-BTEX							
452427	Mercury	<0.0001	112	76-123	107	70-130		0-20
452448	Conductivity	<5 uS/cm	101	90-110			0	0-5
452448	pH		100	90-110			1	0-5
452480	Silver	<0.1 ug/L	107	80-120	85	70-130	0	0-20
452480	Arsenic	<1 ug/L	97	80-120	92	70-130	0	0-20
452480	Boron (total)	<10 ug/L	98	80-120	92	80-120	0	0-20
452480	Barium	<10 ug/L	95	80-120	88	70-130	2	0-20
452480	Beryllium	<0.5 ug/L	103	80-120	94	70-130	0	0-20
452480	Cadmium	<0.1 ug/L	97	80-120	94	70-130	0	0-20
452480	Cobalt	<0.2 ug/L	102	80-120	90	70-130	0	0-20
452480	Chromium Total	<1 ug/L	118	80-120	91	70-130	0	0-20
452480	Copper	<1 ug/L	102	80-120	87	70-130	0	0-20
452480	Molybdenum	<5 ug/L	85	80-120	86	70-130	0	0-20
452480	Nickel	<5 ug/L	101	80-120	87	70-130	0	0-20
452480	Lead	<1 ug/L	98	80-120	91	70-130	0	0-20
452480	Antimony	<0.5 ug/L	84	80-120	103	70-130	0	0-20
452480	Selenium	<1 ug/L	98	80-120	95	70-130	0	0-20
452480	Thallium	<0.1 ug/L	100	80-120	91	70-130	0	0-20
452480	Uranium	<1 ug/L	91	80-120	93	70-130	7	0-20
452480	Vanadium	<1 ug/L	98	80-120	90	70-130	0	0-20
452480	Zinc	<10 ug/L	102	80-120	90	70-130	0	0-20
452483	Chloride	<1000 ug/L	100	90-110		80-120	1	0-20
452485	Tetrachloroethane, 1,1,1,2-	<0.5 ug/L	122	60-130	109	50-140	0	0-30
452485	Trichloroethane, 1,1,1-	<0.4 ug/L	115	60-130	113	50-140	0	0-30
452485	Tetrachloroethane, 1,1,2,2-	<0.5 ug/L	119	60-130	110	50-140	0	0-30
452485	Trichloroethane, 1,1,2-	<0.4 ug/L	121	60-130	107	50-140	0	0-30
452485	Dichloroethane, 1,1-	<0.4 ug/L	117	60-130	119	50-140	0	0-30
452485	Dichloroethylene, 1,1-	<0.5 ug/L	108	60-130	112	50-140	0	0-30
452485	Dichlorobenzene, 1,2-	<0.4 ug/L	120	60-130	102	50-140	0	0-30
452485	Dichloroethane, 1,2-	<0.5 ug/L	121	60-130	124	50-140	0	0-30

Results relate only to the parameters tested on the samples submitted.

Methods references and/or additional QA/QC information available on request.

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
452485	Dichloropropane, 1,2-	<0.5 ug/L	124	60-130	120	50-140	0	0-30
452485	Dichlorobenzene, 1,3-	<0.4 ug/L	120	60-130	101	50-140	0	0-30
452485	Dichlorobenzene, 1,4-	<0.4 ug/L	121	60-130	101	50-140	0	0-30
452485	Acetone	<5 ug/L	120	60-130	92	50-140	0	0-30
452485	Benzene	<0.5 ug/L	113	60-130	120	50-140	0	0-30
452485	Bromodichloromethane	<0.3 ug/L	120	60-130	121	50-140	0	0-30
452485	Bromoform	<0.4 ug/L	118	60-130	101	50-140	0	0-30
452485	Bromomethane	<0.5 ug/L	105	60-130	112	50-140	0	0-30
452485	Dichloroethylene, 1,2-cis-	<0.4 ug/L	121	60-130	120	50-140	0	0-30
452485	Dichloropropene, 1,3-cis-	<0.5 ug/L	118	60-130	112	50-140	0	0-30
452485	Carbon Tetrachloride	<0.2 ug/L	115	60-130	113	50-140	0	0-30
452485	Chloroform	<0.5 ug/L	121	60-130	119	50-140	0	0-30
452485	Dibromochloromethane	<0.3 ug/L	120	60-130	103	50-140	0	0-30
452485	Dichlorodifluoromethane	<0.5 ug/L	114	60-130	101	50-140	0	0-30
452485	Methylene Chloride	<4.0 ug/L	102	60-130	122	50-140	0	0-30
452485	Ethylbenzene	<0.5 ug/L	116	60-130	112	50-140	0	0-30
452485	Ethylene dibromide	<0.2 ug/L	120	60-130	100	50-140	0	0-30
452485	Hexane (n)	<5 ug/L	110	60-130	109	50-140	0	0-30
452485	Xylene, m/p-	<0.4 ug/L	119	60-130	112	50-140	0	0-30
452485	Methyl Ethyl Ketone	<2 ug/L	120	60-130	121	50-140	0	0-30
452485	Methyl Isobutyl Ketone	<5 ug/L	120	60-130	107	50-140	0	0-30
452485	Methyl tert-Butyl Ether (MTBE)	<2 ug/L	120	60-130	119	50-140	0	0-30
452485	Chlorobenzene	<0.5 ug/L	115	60-130	109	50-140	0	0-30
452485	Xylene, o-	<0.4 ug/L	117	60-130	113	50-140	0	0-30
452485	Styrene	<0.5 ug/L	117	60-130	111	50-140	0	0-30
452485	Dichloroethylene, 1,2-trans-	<0.4 ug/L	120	60-130	118	50-140	0	0-30
452485	Dichloropropene, 1,3-trans-	<0.5 ug/L	119	60-130	111	50-140	0	0-30
452485	Tetrachloroethylene	<0.3 ug/L	119	60-130	112	50-140	0	0-30
452485	Toluene	<0.4 ug/L	115	60-130	126	50-140	0	0-30
452485	Trichloroethylene	<0.3 ug/L	115	60-130	112	50-140	0	0-30
452485	Trichlorofluoromethane	<0.5 ug/L	116	60-130	105	50-140	0	0-30
452485	Vinyl Chloride	<0.2 ug/L	106	60-130	111	50-140	0	0-30
452500	Dichloropropene, 1,3-							

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Quality Assurance Summary

Batch No	Analyte	Blank	QC % Rec	QC Limits	Spike % Rec	Spike Limits	Dup % RPD	Duplicate Limits
452501	Xylene Mixture							
452503	Xylene Mixture							
452504	PHC's F1-BTEX							
452510	PHC's F2	<20 ug/L	84	60-140		60-140		0-30
452510	PHC's F3	<50 ug/L	84	60-140		60-140		0-30
452510	PHC's F4	<50 ug/L	84	60-140		60-140		0-30
452512	Mercury	<0.0001	108	76-123	102	70-130		0-20
452546	Chloride	<1000 ug/L	106	90-110		80-120		0-20
452563	Sodium	<1000 ug/L	96	82-118		80-120	1	0-20
452572	Cyanide (CN-)	<5 ug/L	85	75-125	102	80-120	0	0-20
452588	PHC's F2-Naph							
452589	PHC's F3-PAH							
452645	Chromium VI	<10 ug/L	96	80-120	110	70-130	0	0-20

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
208523	Benzo(b+k)fluoranthene	GC-MS	2023-11-13	2023-11-13	C_M	P 8270
450565	Methlynaphthalene, 1-	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Methlynaphthalene, 2-	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Acenaphthene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Acenaphthylene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Anthracene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Benz[a]anthracene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Benzo[a]pyrene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Benzo[b]fluoranthene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Benzo[ghi]perylene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Benzo[k]fluoranthene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Chrysene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Dibenz[a h]anthracene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Fluoranthene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Fluorene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Indeno[1 2-3-cd]pyrene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Naphthalene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Phenanthrene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
450565	Pyrene	GC-MS	2023-11-16	2023-11-16	C_M	P 8270
452353	1+2-methylnaphthalene	GC-MS	2023-11-17	2023-11-17	C_M	P 8270
452376	Tetrachloroethane, 1,1,1,2-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Trichloroethane, 1,1,1-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Tetrachloroethane, 1,1,2,2-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Trichloroethane, 1,1,2-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloroethane, 1,1-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloroethylene, 1,1-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichlorobenzene, 1,2-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloroethane, 1,2-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloropropane, 1,2-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichlorobenzene, 1,3-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichlorobenzene, 1,4-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Acetone	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260

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

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

Environment Testing

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
452376	Benzene	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Bromodichloromethane	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Bromoform	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Bromomethane	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloroethylene, 1,2-cis-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloropropene, 1,3-cis-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Carbon Tetrachloride	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Chloroform	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dibromochloromethane	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichlorodifluoromethane	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Methylene Chloride	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Ethylbenzene	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Ethylene dibromide	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Hexane (n)	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Xylene, m/p-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Methyl Ethyl Ketone	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Methyl Isobutyl Ketone	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Methyl tert-Butyl Ether (MTBE)	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Chlorobenzene	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Xylene, o-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Styrene	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloroethylene, 1,2-trans-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Dichloropropene, 1,3-trans-	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Tetrachloroethylene	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Toluene	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Trichloroethylene	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Trichlorofluoromethane	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452376	Vinyl Chloride	GC-MS	2023-11-16	2023-11-17	SS	EPA 8260
452378	PHC's F1	GC/FID	2023-11-16	2023-11-17	SS	CCME O.Reg 153/04
452379	Xylene Mixture	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452380	Xylene Mixture	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452381	Xylene Mixture	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452382	Dichloropropene, 1,3-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
452383	PHC's F1-BTEX	GC/FID	2023-11-17	2023-11-17	SS	CCME O.Reg 153/04
452385	Dichloropropene,1,3-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452386	PHC's F1-BTEX	GC/FID	2023-11-17	2023-11-17	SS	CCME O.Reg 153/04
452427	Mercury	CV AA	2023-11-17	2023-11-17	S_A	MSM3112B-3500B
452448	Conductivity	Auto Titrator	2023-11-17	2023-11-18	AsA	SM2320,2510,4500H/F
452448	pH	Auto Titrator	2023-11-17	2023-11-18	AsA	SM2320,2510,4500H/F
452480	Silver	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Arsenic	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Boron (total)	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Barium	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Beryllium	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Cadmium	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Cobalt	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Chromium Total	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Copper	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Molybdenum	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Nickel	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Lead	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Antimony	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Selenium	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Thallium	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Uranium	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Vanadium	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452480	Zinc	ICAPQ-MS	2023-11-20	2023-11-20	AaN	EPA 200.8
452483	Chloride	IC	2023-11-20	2023-11-20	S_A	SM 4110
452485	Tetrachloroethane, 1,1,1,2-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Trichloroethane, 1,1,1-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Tetrachloroethane, 1,1,2,2-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Trichloroethane, 1,1,2-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichloroethane, 1,1-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichloroethylene, 1,1-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichlorobenzene, 1,2-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichloroethane, 1,2-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
452485	Dichloropropane, 1,2-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichlorobenzene, 1,3-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichlorobenzene, 1,4-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Acetone	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Benzene	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Bromodichloromethane	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Bromoform	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Bromomethane	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichloroethylene, 1,2-cis-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichloropropene, 1,3-cis-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Carbon Tetrachloride	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Chloroform	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dibromochloromethane	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichlorodifluoromethane	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Methylene Chloride	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Ethylbenzene	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Ethylene dibromide	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Hexane (n)	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Xylene, m/p-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Methyl Ethyl Ketone	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Methyl Isobutyl Ketone	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Methyl tert-Butyl Ether (MTBE)	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Chlorobenzene	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Xylene, o-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Styrene	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichloroethylene, 1,2-trans-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Dichloropropene, 1,3-trans-	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Tetrachloroethylene	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Toluene	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Trichloroethylene	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Trichlorofluoromethane	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452485	Vinyl Chloride	GC-MS	2023-11-17	2023-11-17	SS	EPA 8260
452500	Dichloropropene, 1,3-	GC-MS	2023-11-20	2023-11-20	SS	EPA 8260

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

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

Client: Greenstone Engineering Ltd.
 53 Parkwood Drive
 Sault Ste. Marie, ON
 P6A 5K6
 Attention: Christian Tenaglia
 PO#:
 Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
 Date Submitted: 2023-11-15
 Date Reported: 2023-11-22
 Project: E23013
 COC #: 226404

Test Summary

Batch No	Analyte	Instrument	Preparation Date	Analysis Date	Analyst	Method
452501	Xylene Mixture	GC-MS	2023-11-20	2023-11-20	SS	EPA 8260
452503	Xylene Mixture	GC-MS	2023-11-20	2023-11-20	SS	EPA 8260
452504	PHC's F1-BTEX	GC/FID	2023-11-20	2023-11-20	SS	CCME O.Reg 153/04
452510	PHC's F2	GC/FID	2023-11-20	2023-11-20	H_S	CCME O.Reg 153/04
452510	PHC's F3	GC/FID	2023-11-20	2023-11-20	H_S	CCME O.Reg 153/04
452510	PHC's F4	GC/FID	2023-11-20	2023-11-20	H_S	CCME O.Reg 153/04
452512	Mercury	CV AA	2023-11-20	2023-11-20	S_A	M SM3112B-3500B
452546	Chloride	IC	2023-11-21	2023-11-22	S_A	SM 4110
452563	Sodium	ICP-OES	2023-11-21	2023-11-21	Z_S	M SM3120B-3500C
452572	Cyanide (CN-)	Skalar CN Analyzer	2023-11-21	2023-11-21	Z_S	SM4500-CNC/MOE E3015
452588	PHC's F2-Naph	GC/FID	2023-11-22	2023-11-22	H_S	CCME O.Reg 153/04
452589	PHC's F3-PAH	GC/FID	2023-11-22	2023-11-22	H_S	CCME O.Reg 153/04
452645	Chromium VI		2023-11-22	2023-11-22	SKH	SM 3500-Cr B

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

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

Client: Greenstone Engineering Ltd.
53 Parkwood Drive
Sault Ste. Marie, ON
P6A 5K6
Attention: Christian Tenaglia
PO#:
Invoice to: Greenstone Engineering Ltd.

Report Number: 3003227
Date Submitted: 2023-11-15
Date Reported: 2023-11-22
Project: E23013
COC #: 226404

CWS for Petroleum Hydrocarbons in Soil - Tier 1**Notes:**

1. The laboratory method complies with CCME Tier 1 reference method for PHC in soil. It is validated for laboratory use.
2. Where the F1 fraction (C6 to C10) and BTEX are both measured, F1-BTEX is reported.
3. Where the F2 fraction (C10 to C16) and naphthalene are both measured, F2-naphthalene is reported.
4. Where the F3 fraction (C16 to C34) and PAHs* are both measured, F3-PAH is reported.
5. F4G is analyzed if the chromatogram does not descend to baseline before C50. Where F4 (C34 to C50) and F4G are both reported, the higher result is compared to the standard.
6. Unless otherwise stated in the sample comments, the following criteria have been met where applicable:
 - nC6 and nC10 response factors within 30% of response factor for toluene;
 - nC10, nC16, and nC34 response factors within 10% of each other;
 - C50 response factors within 70% of nC10 + nC16 + nC34 average; and,
 - Linearity is within 15%.
7. Unless otherwise stated in the sample comments, sampling requirements and analytical holding times have been met.
8. Gravimetric heavy hydrocarbons (F4G) cannot be added to the C6 and C50 hydrocarbons.
9. *PAHs = phenanthrene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-c,d)pyrene and pyrene.



REPORT LIMITATIONS & GUIDELINES FOR USE

This report has been prepared for the exclusive use and sole benefit of the Client and Beta Fluid Power or its authorized agent(s) and may not be used by any third party without the express written consent of Greenstone Engineering Ltd. and the Client. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of third parties. This report is not to be construed as legal advice. Greenstone Engineering Ltd. disclaims responsibility for consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranty is expressed or implied.

Misinterpretation of this report by other design or project team members or contractors could result in significant financial and/or safety issues. Retaining Greenstone Engineering Ltd. to confer with the appropriate members of future related project teams can substantially lower those potential issues.

BASIS OF THE REPORT

The information, opinions, and/or recommendations made in this report are in accordance with Greenstone Engineering Ltd.'s present understanding of the site-specific conditions as described by the Client. The applicability of this report is restricted to the current site conditions encountered at the time of the investigation or study. If the proposed site-specific conditions differ or is modified from what is described in this report or if the site conditions are altered, this report is no longer valid unless Greenstone Engineering Ltd. is requested by the Client to review and revise the report to reflect the differing or modified project specifics and/or the altered site conditions.

STANDARD OF CARE

Based on the limitations of the scope of work, schedule, and budget, the preparation of this report, and all associated work, was carried out in accordance with the normally accepted standard of care for the specific professional service provided to the Client. The environmental conditions that have been presented are based on the factual data obtained from this investigation. No other warranty is expressed or implied.

INTERPRETATION OF SITE CONDITIONS

Descriptions of environmental conditions made in this report are based on site conditions encountered by Greenstone Engineering Ltd. at the time of the work, and at the specific inspected, tested, monitored and/or sampled locations. Classifications and statements of condition(s) have been made in accordance with commonly accepted practices, which are judgmental in nature; no specific description should be considered exact. Extrapolation of in-situ conditions can only be made to some limited extent beyond the sampling or test points, if completed. The extent depends on variability of the specific media conditions (building materials, soil, groundwater, rock, sediment, etc.) as influenced by natural, environmental, geological and/or hydrogeological processes, construction activity, and site/building use. No warranty or other conditions, expressed or implied, should be understood.

VARYING OR UNEXPECTED CONDITIONS

Regardless of how exhaustive an environmental investigation is performed, the investigation cannot identify all the subsurface conditions, which may differ from the conditions encountered at the test locations at the time of our investigation. Further, subsurface conditions can change with time due to natural and direct or indirect human impacts at or away from the site. As such, no warranty is



expressed or implied that the entire site is representative of the subsurface information obtained at the specific locations of our investigation, which may also change with time.

Should any site or subsurface conditions be encountered that are different from those described in this report or encountered at the test locations, Greenstone Engineering Ltd. must be notified immediately to assess if the varying or unexpected conditions are substantial and if reassessments of the report conclusions or recommendations are required. Greenstone Engineering Ltd. will not be responsible to any party for damages incurred as a result of failing to notify Greenstone Engineering Ltd. that differing site or subsurface conditions are present upon becoming aware of such conditions.

PLANNING, DESIGN, AND CONSTRUCTION

If there are any changes in the project scope or development features, which may affect our assessment, the information obtained during the investigation may be inadequate. In this case, Greenstone Engineering Ltd. should be retained to review the project changes to evaluate if the changes will affect the conclusions and recommendations within our report, and if additional field investigation work, as well as reporting is required as part of the reassessment.

Development or design plans and specifications should be reviewed by Greenstone Engineering Ltd., sufficiently ahead of initiating the next project stage (property acquisition, financing, tender, construction, etcetera), to confirm that this report completely addresses the elaborated project specifics and that the contents of this report have been properly interpreted. Specialty quality assurance services (field observations and testing) during construction can be a necessary part of the evaluation of subsurface conditions and site preparation works. Site work relating to the recommendations included in this report should only be carried out in the presence of a qualified environmental engineer. Greenstone Engineering Ltd. cannot be responsible for site work carried out without being present or consulted.

FINANCIAL DISCLAIMER

Greenstone Engineering Ltd. will not be responsible for any consequential or indirect damage. Greenstone Engineering Ltd. will only be held liable for damages resulting from the negligence of our work completed. Any liability resulting from negligence of Greenstone Engineering Ltd. and its officers shall be limited to the lesser of fees paid and/or actual damages incurred by the Client.

LEGAL DISCLAIMER

Greenstone Engineering Ltd. makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters that could be construed within this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

REGULATORY DISCLAIMER

This report has been prepared for due diligence purposes only and in accordance with standard environmental engineering and consulting practices in accordance with the applicable CSA Standards. This report has not been completed for the purpose of obtaining a Record of Site Condition and does not meet the reporting requirements as set out in Ontario Regulation 153/04.