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PHASE TWO ENVIRONMENTAL SITE ASSESSMENT

Eastern Portion of 6728 Sixth Line, Milton, Ontario

Project #: 22-0209
Prepared for: Anatolia Capital Corp.
Date: January 18, 2024

Report Version: 02

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January 18, 2024

Anatolia Capital Corp.
8300 Huntington Road
Vaughan, Ontario L4H 4Z6

Attention: Josh Berry, Planning Manager

SUBJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT, EASTERN PORTION OF 6728 SIXTH LINE, MILTON, ONTARIO

EnVision Consultants Ltd. is pleased to present the enclosed Phase Two Environmental Site Assessment for the above-noted property. This Phase Two Environmental Site Assessment was completed in accordance with Ontario Regulation 153/04, as amended. The report describes the interpreted environmental conditions based on our assessment and provides conclusions for your consideration. This report may be used in support of filing a Record of Site Condition for the property within 18 months of preparation.

We thank you utilizing EnVision for this assignment. If there are any questions regarding the enclosed report, please do not hesitate to contact us.

Yours sincerely,

Shawna Lundrigan, B.Sc., EP
Project Manager, Environment
slundrigan@envisionconsultants.ca

QUALITY MANAGEMENT

ISSUE	FIRST ISSUE	REVISION 1	REVISION 2
PROJECT NUMBER	22-0209	22-0209	
PROJECT REFERENCE	Phase Two Environmental Site Assessment, Eastern Portion of 6728 Sixth Line, Milton, Ontario	Phase Two Environmental Site Assessment, Eastern Portion of 6728 Sixth Line, Milton, Ontario	
VERSION NO.	01	02	
REMARKS	Final	Inclusion of additional site investigation work completed	
PREPARED BY	Rutu Amin	Rutu Amin	
SIGNATURE			
REVIEWED BY	Shawna Lundrigan	Shawna Lundrigan	
SIGNATURE			
REVIEWED BY	Rodney Obdeyn	Rodney Obdeyn	
SIGNATURE			
DATE	November 28, 2023	January 18, 2024	

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GLOSSARY

TERM	DEFINITION
µm	micrometre(s)
ABN	acid base neutral compound
APEC	area(s) of potential environmental concern
APU	assessment of past uses
As	arsenic
AST	aboveground storage tank
B-HWS	hot water-soluble boron
BTEX	benzene, toluene, ethylbenzene, xylene
CALA	Canadian Association for Laboratory Accreditation
CGD	combustible gas detector
Cl-	chloride
CN-	Cyanide
COPC	contaminant(s) of potential concern
CP	chlorophenol
Cr (VI)	hexavalent chromium
CSA	Canadian Standards Association
CSM	conceptual site model
DNAPL	dense non-aqueous phase liquid(s)
EC	electrical conductivity
ESA	environmental site assessment
Ha	hectare(s)
Hg	Mercury
ICC	Industrial/Commercial/Community

TERM	DEFINITION
km	kilometre(s)
L	litre(s)
LNAPL	light non-aqueous phase liquid(s)
m	metre(s)
masl	metres above sea level
mbgs	metres below ground surface
MNRF	Ministry of Natural Resources and Forestry
MECP	Ministry of the Environment, Conservation and Parks
N/S	not specified
Na	sodium
OC	organochlorine pesticide
O. Reg. 153/04	Ontario Regulation 153/04, as amended
O. Reg. 347	Ontario Regulation 347, as amended
O. Reg. 406/19	Ontario Regulation 406/19, as amended
O. Reg. 903	Ontario Regulation 903, as amended
ORPs	other regulated parameters
PAH	polycyclic aromatic hydrocarbon
PCA	potentially contaminating activity as defined in O.Reg. 153/04, "a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One study area"
PCB	polychlorinated biphenyl
PHC	petroleum hydrocarbon
PID	photoionization detector
PIN	property identification number
ppm	Parts per millions
QA	quality assurance

TERM	DEFINITION
QC	quality control
QP_{ESA}	Qualified Person for ESAs according to MECP O. Reg. 153/04
QP_{RA}	Qualified Person for RAs according to MECP O.Reg. 153/04
RA	Risk Assessment
RDL	reportable detection limit
RPD	relative percent difference
RPI	Residential/Institutional/Parkland
RPIICC	Residential/Parkland/Institution/Industrial/Commercial/Community
RSC	Record of Site Condition
SAP	Sampling and Analysis Plan
SAR	sodium adsorption ratio
Sb	antimony
SCR	Soil Characterization Report
Se	selenium
SOP	standard operating procedure(s)
SCC	Standard Council of Canada
SCS	Site Condition Standards
THM	trihalomethane
TOV	total organic vapours
UST	underground storage tank
VOC	volatile organic compound

1. EXECUTIVE SUMMARY

EnVision Consultants Ltd. (EnVision) was retained by Anatolia Capital Corp. (the 'Client') to conduct a Phase Two Environmental Site Assessment (ESA) in accordance with Ontario Regulation 153/04 (O. Reg. 153/04) of the property at Eastern Portion of 6728 Sixth Line, Milton, Ontario (the 'Phase Two Property' or the 'Site') which is proposed for redevelopment for industrial uses.

The Site is located southwest adjacent to the intersection of Sixth Line and Derry Road in a mixed agricultural, industrial, commercial, and residential area in the Town of Milton. The Site was previously utilized for commercial purposes, which operated as the Trafalgar Golf and Country Club, an 18-hole golf course, with four (4) associated buildings, including:

- The "Club House", a one-storey structure with full basement, located on the east-central portion of the Site (Site Building A);
- The "Pro Shop Building", a one-storey structure with full basement, located on the east-central portion of the Site (Site Building B);
- The "Maintenance Shop Building", a one-storey slab on grade structure, located on the southeast portion of the Site (Site Building C); and,
- The "House", a one-storey residential structure with full basement, located on the northeast portion of the Site (Site Building D).

The golf course has been closed and the above-noted buildings have been demolished and removed from the Site. This report pertains to the eastern portion of the former golf course property which is an irregular shaped parcel of land comprising an area of approximately 147,000 m^2, with 405 m frontage along Derry Road and 660 m frontage along Sixth Line. This portion of the former golf course included the four (4) former buildings noted above.

It is EnVision's understanding that this Phase Two ESA was requested to support the planning application with the Town of Milton for the proposed redevelopment which will include three (3) industrial buildings. As a change in property use to a more sensitive use is not proposed, the filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation, and Parks (MECP) is not required under Ontario Regulation (O. Reg.) 153/04 (as amended).

A Phase One ESA completed by EnVision concluded that potentially contaminating activities (PCAs) currently located on the Site which resulted in the identification of twelve (12) areas of potential environmental concern (APECs). Associated contaminants of potential concern (COPCs) in soil and groundwater include metals and other regulated parameters (ORPs), petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and organochlorine pesticides (OCs).

Golder Associates Ltd. (Golder) conducted a Phase I ESA for the former golf course property in 2015 followed by a Phase II ESA in 2018. The Phase II ESA included the advancement of nine (9) boreholes to a maximum depth of 6.1 meters below ground surface (mbgs), six (6) of which were completed as groundwater monitoring wells. Soil samples were submitted for select analysis of COPCs, and

groundwater testing was completed at the aforementioned monitoring wells. To assist in determining the environmental quality of the Site, analytical results from these investigations have been included in this Phase Two ESA report.

To supplement the previous investigations, further investigate the identified APECs, and confirm site conditions, EnVision completed a borehole program in July 2022, which included the advancement of five (5) boreholes on Site to a maximum depth of 6.1 mbgs. Three (3) of the boreholes were completed as monitoring wells (BH22-1, BH22-3, and BH22-5) for the purpose of groundwater sampling. In addition, one (1) grab sample of soil was collected from the vicinity of a transformer. Following the receipt of the analytical results, additional soil sampling was completed on the northwestern portion of the Site in the vicinity of BH22-1 to further assess soil quality following identification of elevated OCs, including an additional four (4) hand auger samples (HA22-1A to HA22-1D) collected in September 2022 and four (4) shallow boreholes (BH22-A1 to BH22-1D) advanced in November 2022.

In October 2023, EnVision completed an additional borehole program which included the advancement of one (1) borehole (BH22-5A) to a depth of 1.5 mbgs, four (4) boreholes (MW18-1A, BH23-1, BH23-2, and BH23-3) completed as monitoring wells to a depth of 6.1 mbgs, and one (1) borehole (MW18-1B) completed as a monitoring well to a depth of 12.1 mbgs. The purpose of the October 2023 investigation was to reassess groundwater conditions in the area of former monitoring well MW18-1 which was previously found to contain elevated concentrations of metals in groundwater. This monitoring well is no longer accessible and thus, an additional nested well pair (MW18-1A/B) was installed at this location and additional monitoring wells were installed approximately 5-10 m north, south, east, and west of MW18-1A (formerly MW18-1) for delineation purposes.

Following correspondence with the Regional Municipality of Halton (the 'Region'), EnVision conducted a delineation program in December 2023, which included the advancement of seven (7) boreholes (MW18-3B and BH23-4 through BH23-9) to a maximum depth of 6.1 mbgs on the southwestern portion of the Site, in the vicinity of the identified soil and groundwater impacts. Three (3) of the boreholes (BH23-6 through BH23-8) were completed as monitoring wells for delineation purposes.

As the Site is located within, and contains, environmentally sensitive areas, the analytical soil and groundwater results from the above referenced investigations were compared to the Full Depth Background Site Condition Standard for All Uses other than Agricultural, as detailed in Table 1 of the Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, published by the MECP on April 15, 2011 (Table 1 RPIICC SCS).

Based on the above referenced investigations, EnVision presents the following findings:

- The borehole sampling programs indicated the presence of fill material consisting of various compositions of silty clay, silty sand, and sandy silt with some to trace gravel and trace asphalt fragments to depths up to approximately 3.0 mbgs. Below the fill material, native sandy silt, clayey silt, silty clay, and silty clay till was encountered to borehole termination, ranging between 6.1 and 12.1 mbgs. A gravelly sand layer was encountered at boreholes BH23-1, MW18-1A at depths ranging between 3.1 to 3.8 and 4.6 to 5.3 mbgs.
- On December 28, 2023, the groundwater levels in the available monitoring wells installed within the overburden aquifer ranged from approximately 0.2 to 3.6 mbgs, corresponding to

groundwater elevations ranging from 181.0 to 184.8 metres above sea level (masl). Based on the measured groundwater levels noted above, the groundwater flow direction appears to be directed to a low point measured at BH23-2. It is noted, however, that surface water streams crossing the Site and in the vicinity of the Site all generally flow to the south/southeast and it is expected that local and regional groundwater flow moves in this direction. Groundwater flow direction can be influenced by seasonal fluctuation, utility services, former waterways, and other subsurface features and can only be confirmed with long term monitoring.

- Surficial soils with concentrations of OCs and mercury exceeding the Table 1 SCS were identified on the northeastern portion of the Site, in the vicinity of the former residential dwelling (Site Building D). These impacts, anticipated to be resulting from the historical use of pesticides on the Site, were delineated to a localized area to a maximum depth of 0.8 mbgs.
- Concentrations of mercury exceeding the Table 1 SCS were identified on the southwestern portion of the Site in the vicinity of the former maintenance shop building (Site Building C). These impacts, anticipated to be resulting from historical site activities, were delineated to the areas south and west of Site Building C to a maximum depth of 0.8 mbgs.
- Concentrations of boron, copper, and molybdenum exceeding the Table 1 SCS were identified in groundwater on the southwestern portion of the Site at screened depths ranging between 3.1 and 12.1 mbgs. These impacts were delineated to the southwestern portion of the Site.

Based on these findings, the following conclusions and recommendations are provided:

- Localized elevated concentrations of organochlorinated pesticides and mercury have been identified in soil which exceed the Table 1 site condition standards.
- Localized elevated concentrations of metals were identified in groundwater in the area of the former maintenance building at the location of boreholes MW18-1, BH22-5, BH23-2, and BH23-7.
- It is noted that there is no proposed change in land use to a more sensitive use and, as such, a Record of Site Condition is not required under O. Reg. 153/04. It is understood, however, that the Region's "Protocol for Reviewing Development Applications with Respect to Contaminated or Potentially Contaminated Sites" requires that occurrences of elevated parameters which exceed the applicable site condition standards be addressed via remediation and/or risk assessment to verify that the Site is suitable for the intended use.
- A Risk Assessment (RA) will be completed to address the presence of the above-noted soil and groundwater impacts to support the redevelopment of the Site in accordance with the Region's protocol.

2. INTRODUCTION

EnVision Consultants Ltd (EnVision) was retained by Anatolia Capital Corp. (the 'Client') to conduct a Phase Two ESA at the property located at Eastern Portion of 6728 Sixth Line, Milton, Ontario (the 'Phase Two Property' or 'Site'). It is EnVision's understanding that this Phase Two ESA was requested to support the redevelopment of the Site for industrial use and to support the planning application with the Town of Milton. This Phase Two ESA was prepared in accordance with Ontario Regulation 153/04 (O. Reg. 153/04). As a change in property use to a more sensitive use is not proposed, the filing of a Record of Site Condition (RSC) with the Ministry of the Environment, Conservation, and Parks (MECP) is not required under the regulation.

2.1. SITE DESCRIPTION

The Site is located southwest adjacent to the intersection of Sixth Line and Derry Road in a mixed agricultural, industrial, commercial, and residential area in the Town of Milton. The Site was previously utilized for commercial purposes, which operated as the Trafalgar Golf and Country Club, an 18-hole golf course, with four (4) associated buildings, including:

- The "Club House", a one-storey structure with full basement, located on the east-central portion of the Site (Site Building A);
- The "Pro Shop Building", a one-storey structure with full basement, located on the east-central portion of the Site (Site Building B);
- The "Maintenance Shop Building", a one-storey slab on grade structure, located on the southeast portion of the Site (Site Building C); and,
- The "House", a one-storey residential structure with full basement, located on the northeast portion of the Site (Site Building D).

The golf course has been closed and the above-noted buildings have been demolished and removed from the Site. This report pertains to the eastern portion of the former golf course property which is an irregular shaped parcel of land comprising an area of 146,910 m^2, with 405 m frontage along Derry Road and 660 m frontage along Sixth Line. This portion of the former golf course included the four (4) former buildings noted above.

The location and orientation of the Site is depicted on Figure 1 and Figure 2, attached. Property information for the Site is provided in *Table 2-1*, below:

Table 2-1: Property Information

CRITERION	INFORMATION
MUNICIPAL ADDRESS	6728 Sixth Line, Milton, Ontario
PROPERTY IDENTIFICATION NUMBER (PIN)	24937-0008 (LT)
LEGAL DESCRIPTION	Parts 1 through 11 on Part of Lot 10, Concession 6, Geographic Township of Trafalgar, Town of Milton, Regional Municipality of Halton

CRITERION	INFORMATION
PROPERTY SIZE	14.691 ha (36.30 acres)
GEOGRAPHICAL COORDINATES (UTM)	595, 641.32 m E 4,821,722.97 m N

A Draft Plan of Survey, completed by Ontario Land Surveyor Cunningham McConnell Ltd. was provided for the Site. The Plan of Survey is included as Appendix A.

2.2. PROPERTY OWNERSHIP

Ownership information for the Site is provided in *Table 2-1*, below:

Table 2-2: Property Information

CRITERION	INFORMATION
PROPERTY OWNER	Anatolia Capital Corp.
OWNER CONTACT INFORMATION	8300 Huntington Road, Vaughan, Ontario L4H 4Z6 Tel: 905 771 3800
SITE REPRESENTATIVE & CONTACT INFORMATION	Josh Berry Anatolia Capital Corp. 8300 Huntington Road, Vaughan, Ontario L4H 4Z6 Tel: 905 771 3800 X 636 email: josh.berry@anatoliacapitalcorp.com

2.3. CURRENT AND FUTURE USES

The Site was most recently utilized for commercial purposes, operating as the Trafalgar Golf and Country Club, an 18-hole golf course. The golf course has been closed and the buildings associated with the golf course have been demolished.

It is EnVision's understanding that this proposal was requested to support the redevelopment of the Site for industrial use and to support the planning application with the Town of Milton. Phase One and Two ESAs prepared in accordance with Ontario Regulation 153/04 (O. Reg. 153/04) were requested by the Town of Milton in support of this process; however, as a change in property use to a more sensitive use is not proposed, the filing of an RSC with the MECP is not required under the regulation.

2.4. APPLICABLE SITE CONDITION STANDARDS

Analytical results were compared to the Full Depth Background Site Condition Standard for All Uses other than Agricultural, as detailed in Table 1 of the Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, published by the MECP on April 15, 2011 (Table 1 RPIICC SCS). This evaluation standard was considered by the QP to be applicable to the Phase Two Property based on the following:

- Potable water for the area could be derived from groundwater in this vicinity and approval for the use of non-potable groundwater standards was not obtained from the Municipality/Region as part of this limited investigation.
- Industrial land use is proposed for the Phase Two Property.
- The pH of the soil samples analysed during this investigation are within the acceptable range stated in O. Reg. 153/04.
- Bedrock was not encountered within 2 m of the ground surface.
- Based on the results of grain size analyses, it is the QP's opinion that greater than 2/3 of the soil at the Site, measured by volume, consists of medium to fine textured soils, and as such, medium to fine textured SCS were used.
- The Site contains and is within 30 m of "environmentally sensitive" areas as defined by O. Reg. 153/04. The presence of environmentally sensitive areas renders the Site as environmentally sensitive, thus requiring comparison of the analytical results to Table 1 Full Depth Background Site Condition Standards.

3. BACKGROUND INFORMATION

3.1. PHYSICAL SETTING

A description of the general physical setting of the Phase Two Property and surrounding Study Area based on the findings of the Phase One ESA conducted concurrently with this investigation is provided in *Table 3-1*, below:

Table 3-1: Physical Setting of the Phase Two Property

CRITERION	INFORMATION
WATER BODIES	Three (3) irrigation ponds are located on the Phase Two Property, on the southern portion of the Site. Tributaries of Sixteen Mile Creek traverse the northwest, southwest, and southeast portions of the Site as illustrated in Figure 1. It is noted that portions of the tributary on the western portions of the Site are proposed to be diverted via re-channelization.
AREAS OF NATURAL SIGNIFICANCE (ANS)	Two (2) unevaluated wetlands are located in the Study Area. One (1) wetland is noted to the northeast of Sixth Line and Derry Road, in the northeastern corner of the Project Area, and one (1) is present adjacent to the east of the Site. The area adjacent to the east of the Site is indicated on the Town of Milton Official Plan as a Greenlands A Area. Under the Greenlands System, this area is considered to be an ANS, according to the Town of Milton Official Plan.
TOPOGRAPHY AND SURFACE WATER DRAINAGE FEATURES ON THE PHASE TWO PROPERTY	The topography at the Phase One Property is relatively flat with an elevation of approximately 190 masl. The general direction of water drainage on the Phase Two Property is to the southeast towards Sixteen Mile Creek.

3.2. PAST INVESTIGATIONS

A Phase One ESA was completed concurrently with this investigation and is referenced throughout this report. The Phase One CSM is discussed in Section 4.3, below and is presented on Figure 1 and Figure 2, attached.

The following additional reports pertaining to the Site were provided to EnVision for review as part of this assessment:

CRITERION	INFORMATION
REPORT TITLE	Phase I Environmental Site Assessment Trafalgar Golf and Country Club, 6728 Sixth Line, Milton, Ontario
REPORT DATE	March 19, 2015
PREPARED FOR	Trafalgar Golf and Country Club Limited.
PREPARED BY	Golder Associates Ltd. (Golder)
SUMMARY OF SALIENT INFORMATION	Golder completed a Phase I Environmental Site Assessment (ESA) for general upkeep of the property and to identify any PCAs. The Phase I ESA included the entirety of the former golf course lands, which included lands to the west of the current Phase Two Property. The scope of the assessment included a review of historical and regulatory records relating to the site and adjacent properties, interviews with relevant persons, a visual Site reconnaissance, and the preparation of a Phase I ESA report. The following PCAs were identified within the report: · Two (2) USTs were historically used on Site; however, the presence or absence of the USTs could not be confirmed during the site reconnaissance; · Pesticides were stored in a shed located adjacent to the Maintenance Shop (Site Building C). The storage area appeared to be in good condition with no staining in the area; · The Site contained one (1) diesel and one (1) gasoline AST located on a concrete pad adjacent to Site Building C. An additional fuel oil AST was located adjacent to the Club House (Site Building A). Minor staining was observed around the tank; · Multiple empty 55 gallon drums of oil were observed, stored adjacent to Site Building C and inside the garage area. No staining was observed near the drums; and, · One (1) single walled AST was located adjacent to Site Building C and minor staining was noted in the area of the tank.
ASSESSMENT OF VALIDITY OF INFORMATON	The Environmental and historical information presented in the Phase I report is consistent with information obtained through other records reviewed. As such, the information provided in this report is considered reliable.
REPORT TITLE	Phase Two Environmental Site Assessment, 6728 Sixth Line, Milton, ON
REPORT DATE	October 2, 2018
PREPARED FOR	Anatolia Investment Corp. (Anatolia)
PREPARED BY	Golder Associates Ltd. (Golder)
SUMMARY OF SALIENT INFORMATION	Golder was retained by Anatolia to conduct a Phase II ESA of the property to assess the soil and groundwater conditions with respect to potential contaminants identified during the Phase I ESA conducted in March of 2015. The Phase II ESA included the entirety of the former golf course lands, which included lands to the west of the current Phase Two Property. The Phase II ESA included the advancement of nine (9) boreholes ranging from 3.05 to 6.10 mbgs and the installation of six (6) monitoring wells. Seven (7) of the nine (9)

	boreholes were advanced in the current Phase Two Property under assessment by EnVision (i.e., the eastern portion of the former golf course). Three (3) additional surface soil samples were collected during the program. These samples were collected from the western portion of the golf course lands. The stratigraphy was described as fill materials to a depth of 0.7 mbgs followed by predominantly silty clay with trace sand and gravel extending to 6.1 mbgs. The inferred groundwater flow was concluded to be southerly and water level measurements ranged from 0.78 mbgs (MW18-2) to 3.94 mbgs (MW18-1). Soil samples were submitted for analysis of metals and Inorganics, PHCs, VOCs, PAHs, and OCs. One (1) groundwater sample from each monitoring well was submitted for analysis of PHCs. One (1) groundwater sample from MW18-1 was also submitted for OCs. No exceedances of the site condition standards were reported for the soil and groundwater samples collected for the parameters tested.
ASSESSMENT OF VALIDITY OF INFORMATON	The analytical results presented in the Phase II report are considered reliable. It is noted, however, that the analytical results were compared to the Table 2 residential/parkland/institutional (RPI) site condition standards. In comparing the previous results to the Table 1 RPIICC SCS, the following parameters exceeded the standards: · BH18-3, SA6: PHC F4G in soil (160 µg/g vs. Table 1 SCS of 120 µg/g

4. SCOPE OF THE INVESTIGATION

4.1. OVERVIEW OF THE INVESTIGATION

The Phase Two ESA involved intrusive investigation in the areas determined in the Phase One ESA to be APECs. The site investigation activities were limited to visible and accessible locations of the Site. Subsurface investigations, testing, sampling, and laboratory analyses were completed based on finding of Phase One ESA, accessibility to each APEC, and site observations. The field investigation included the following main components:

- Clearance of public and private underground utilities and services prior to commencement of intrusive investigation activities.
- Preparation and adherence to a Health and Safety Plan for the safe execution of all work.
- Sampling of a total of 25 boreholes on the Phase Two Property to an approximate maximum depth of 12.1 mbgs using a track-mounted drill rig. The soil lithology from each borehole was logged in the field and samples were screened in the field using a photoionization and combustible gas detector. In addition, five (5) hand auger grab samples of soil were also collected.
- Submission of worst case/representative soil samples based on field screening and visual/olfactory observations for laboratory testing of relevant COPCs.
- In July 2022, installation of groundwater monitoring wells by a licensed well driller in accordance with O. Reg. 903 in three (3) of the five (5) boreholes (BH22-1, BH22-3, and BH22-5) to assess groundwater quality at the Site.
- In October 2023, installation of groundwater monitoring wells by the licensed well driller in accordance with O. Reg. 903 in five (5) of the six (6) boreholes (BH23-1, BH23-2, BH23-3, MW18-1A, MW18-1B) to assess groundwater quality at the Site.
- The groundwater levels in the wells were measured to determine the groundwater table elevation and the wells were surveyed using a satellite GPS to determine groundwater flow direction.
- The groundwater wells were purged to remove stagnant water (if applicable) and sampled for laboratory testing of relevant COPCs.
- Soil and groundwater samples were submitted for chemical analysis by a CALA certified laboratory in accordance with the MECP standards and requirements of O. Reg. 153/04 under the Environmental Protection Act.

4.2. MEDIA INVESTIGATED

Soil and groundwater were identified as media of concern associated with the APECs determined through the preparation of the Phase One ESA, and as such were investigated during this Phase Two ESA.

Summaries of the soil and groundwater samples submitted for analysis during the Phase Two ESA are provided in Table 2 and Table 3, respectively.

4.3. PHASE ONE CONCEPTUAL SITE MODEL

A Phase One CSM was prepared as part of the Phase One ESA conducted concurrently with this assessment. The Phase One CSM identified the PCAs on-site and within the surrounding Study Area, as well as the resulting APECs and associated COPCs, as described in Section 6.8.1, and presented on Figure 1 and Figure 2.

4.4. DEVIATIONS FROM THE SAMPLING AND ANALYSIS PLAN

The Phase Two ESA was conducted in general accordance with the SAP, provided as Appendix B, with the following exceptions:

- The drill rig encountered refusal at approximately 10.6 mbgs in MW18-1B which prevented soil sampling past this depth.
- BH23-2 was observed to have limited groundwater recovery and therefore was not developed to remove stagnant water due to the slow groundwater re-charge rate. Due to this, the monitoring well location was sampled using a bailer method rather than the proposed low-flow sampling method using a peristaltic pump.
- Following receipt of the analytical results during the July 2022 drilling program, additional soil and groundwater testing was completed to confirm the original results, including:
  - Re-sampling monitoring well MW18-1 for metals; and,
  - Collecting additional soil samples for analysis of OCs in the vicinity of BH22-1.
- Following receipt of the analytical results during the October 2023 drilling program, additional groundwater testing was completed to confirm the original results, including:
  - Re-sampling monitoring well MW18-1A, MW18-1B, and BH23-1.
- Following receipt of the analytical results from the October 2023 drilling program, an additional soil and groundwater investigation was conducted, including:
  - Advancement of seven (7) boreholes (MW18-3B and BH23-4 through BH23-9) at depths ranging between 1.5 and 7.1 mbgs; and,
  - Completion of three (3) of the seven (7) boreholes as monitoring wells to further access the limits of the groundwater contamination on the Site.

4.5. IMPEDIMENTS

Impediments were not encountered during this investigation and therefore did not limit EnVision's ability to conduct this Phase Two ESA in accordance with O. Reg. 153/04.

5. INVESTIGATION METHODOLOGY

5.1. GENERAL

This section provides a brief description of all methods employed in undertaking the scope of this Phase Two ESA. Where the method differs from the associated SOP, a detailed description of the method used and a rationale for the change in method is provided in the appropriate subsection below.

5.2. DRILLING AND EXCAVATION

On July 20, 21 and 26, 2022, five (5) boreholes (BH22-1 through BH22-5) were advanced on the Site to a maximum depth of 6.1 mbgs.

On September 29, 2022, four (4) grab samples were collected using a hand-auger technique. Auger heads were cleaned using deionized water after each sample to minimize potential for cross contamination.

On November 28, 2022, seven (7) boreholes (BH22-A1, A2, B1, B2, C1, C2, D1) were advanced on the site to a maximum depth of 1.5 mbgs. The borehole locations are depicted in the Borehole Location Plan, provided as Figure 3/3A. Additional details pertaining to these activities are provided in *Table 5-1*, below.

On September 29, 2022, four (4) grab samples were collected using a hand-auger technique. Auger heads were cleaned using deionized water after each sample to minimize potential for cross contamination.

On October 11 and 12, 2023, EnVision completed an additional borehole program which included the advancement of one (1) borehole (BH22-5A) to a depth of 1.5 mbgs and four (4) boreholes (MW18-1A, BH23-1, BH23-2, and BH23-3) completed as monitoring wells to a depth of 6.1 mbgs and one borehole (MW18-1B) completed as a monitoring well to a depth of 12.1 mbgs.

On December 19, 2023, EnVision completed an additional borehole program which included the advancement of seven (7) boreholes (MW18-3B and BH23-4 through BH23-9) to depths ranging between 1.5 mbgs and 6.1 mbgs. Three (3) of the seven (7) boreholes (BH23-6 through BH23-8) were completed as monitoring wells.

The borehole locations are depicted in the Borehole Location Plan, provided as Figure 3/3A. Additional details pertaining to these activities are provided in *Table 5-1*, below.

Table 5-1: Drilling and/or Excavating Details

CRITERION	INFORMATION
CONTRACTOR	Ground Force Environmental (July 2022) Green Infrastructure Partners (GIP), formerly Ground Force Environmental (October and December 2023)
EQUIPMENT	Track-mounted Geoprobe 7822DT for the exterior boreholes Geoprobe 420 for the interior borehole (BH22-4)

CRITERION	INFORMATION
MEASURES TO LIMIT CROSS-CONTAMINATION	The dual-tube macrocore sampler used to collect soil samples was lined with disposal liners, which were changed between each sample collection. Disposable nitrile gloves were used during sample collection and changed between each sample to minimize the potential for cross-contamination.
FREQUENCY OF SAMPLE COLLECTION	Samples were collected continuously at 0.8 m intervals until borehole termination depth.

5.3. SOIL

5.3.1. Soil Sampling

Soil samples were collected using professionally acceptable soil collection methods as outlined in the SAP. Additional details pertaining to soil sampling are provided in *Table 5-2*, below:

Table 5-2: Soil Sampling Details

CRITERION	INFORMATION
SAMPLING EQUIPMENT	A 1.5 m dual tube macrocore sampler was used to collect soil samples from the boreholes by the track mount drill rig. Soil samples were collected directly into laboratory-supplied glass jars and/or 40 mL methanol-preserved vials and stored in an ice filled cooler.
GEOLOGICAL DESCRIPTION OF SOIL SAMPLES	Soil stratigraphy was described in the field and recorded in dedicated field logs for each borehole location. A geological description of soil conditions based on the finalized field logs is provided in Section 6.1, below.

5.3.2. Field Screening Measurements

Combustible gas concentrations were measured in the collected samples using field screening equipment. In addition to visual and olfactory observations, field screening results were used to assist with selecting worst-case soil samples for submission to ensure soils analyzed were representative of the maximum concentrations of contaminants. Details pertaining to the field screening equipment used are outlined in *Table 5-3*, below:

Table 5-3: Field Screening Equipment Details

CRITERION	INFORMATION
MAKE AND MODEL NUMBER	RKI Eagle 2, SN: E2J142
CHEMICALS EQUIPMENT CAN DETECT & ASSOCIATED DETECTION LIMITS	HCs (CH4, std); 0 – 100% LEL, 0 – 5% Vol. (CH4), 0 – 50,000 ppm VOCs; 0 – 2,000 ppm 0 – 50 ppm
PRECISION OF THE MEASUREMENTS	3 significant figures

CRITERION	INFORMATION
ACCURACY OF THE MEASUREMENTS	± 5% of reading or ± 2% LEL, whichever is greater ± 50 ppm or ± 5% of reading, whichever is greater

Field screening was conducted in accordance with the SOPs and SAP.

5.4. GROUNDWATER

5.4.1. Monitoring Well Installation

On July 20, 21 and 26, 2022, following the completion of soil sampling activities, groundwater monitoring wells were installed in three (3) boreholes (BH22-1, BH22-3, and BH22-5).

On October 13 and 14, 2023, groundwater monitoring wells were installed in five (5) boreholes (MW18-1A, MW18-1B, BH23-1, BH23-2, BH23-3) upon completion of drilling activities.

Additionally, on December 19, 2023, groundwater monitoring wells were installed in three (3) boreholes (BH23-6 through BH23-8) upon completion of drilling activities.

Additional details pertaining to these activities are provided in *Table 5-4*, below:

Table 5-4: Groundwater Monitoring Well Installation and Details

CRITERION	INFORMATION
CONTRACTOR	Ground Force Environmental / GIP
EQUIPMENT	Track-mounted Geoprobe 7822DT (BH22-1, BH22-3, BH22-5, BH23-1, BH23-2, BH23-3, MW18-1A, and MW18-1B)
MEASURE TO LIMIT CROSS-CONTAMINATION	The dual-tube macrocore sampler used to collect soil samples was lined with disposal liners, which were changed between each sample collection. Disposable nitrile gloves were used during sample collection and changed between each sample to minimize the potential for cross-contamination.
MONITORING WELL DEVELOPMENT METHODS	The groundwater monitoring wells were developed to clear the wells of fine sediment, reduce the effects of possible wall smearing as a result of the drilling process, and restore the water producing zone of the screened section to its original condition. Development was achieved by purging the wells using 13 mm LDPE Waterra tubing and an inertial pump (foot valve) to remove a minimum of three (3) well volumes or by purging the well dry three times. Additional well volumes were removed for wells in which high sediment conditions prevailed.

The monitoring well construction details are presented on Table 1, attached and in the finalized field logs included as Appendix C.

5.4.2. Field Measurements of Water Quality Parameters

During purging activities, field measurements of water quality parameters including field pH, EC, and temperature were collected using a Hanna multi-meter and YSI water quality monitoring meter Field groundwater quality measurements were obtained after the removal of each well volume and prior to sampling and were recorded in dedicated field logs.

5.4.3. Groundwater Sampling

On July 26, 2022, following purging activities, groundwater samples were collected from the newly installed well BH22-3 and from pre-existing wells MW18-1, MW18-4 and MW18-5. On August 10, 2022, groundwater samples were collected from BH22-1 and BH22-5. The samples were collected in laboratory-supplied bottles and stored in an ice-filled cooler. Monitoring well MW18-1 was resampled for metals on August 31, September 14, and November 28, 2022 using low-flow methodology.

On October 16, 2023, following purging activities, groundwater samples were collected from the newly installed monitoring wells BH23-1, BH23-3, MW18-1A, and MW18-1B using a peristaltic pump (low-flow methodology) and a bladder pump for the deeper monitoring well location (MW18-1B). On October 26, 2023, a groundwater sample was collected using a bailer method (due to limited groundwater recovery) from the newly installed well at BH23-2. Additionally, monitoring wells MW18-1A, MW18-1B and BH23-1 were re-sampled for metals.

On December 28, 2023, following purging activities, groundwater samples were collected from the newly installed monitoring wells BH23-6 through BH23-8 as well as previously installed monitoring wells BH23-1, BH23-2, MW18-1A and MW18-1B using a peristaltic pump (low-flow methodology) and a bladder pump for the deeper monitoring well location (MW18-1B).

The groundwater samples were collected in laboratory-supplied bottles and stored in an ice-filled cooler during all sampling events.

5.5. SEDIMENT SAMPLING

Sediment sampling was not conducted as part of this investigation.

5.6. ANALYTICAL TESTING

Soil and groundwater samples were submitted to Bureau Veritas (BV) laboratory for chemical analysis. BV is certified by SCC.

5.7. RESIDUAL MANAGEMENT

The management of residues such as soil cuttings, purge water, and fluids from equipment cleaning was conducted as indicated in *Table 5-5*, below:

Table 5-5: Residual Management Details

CRITERION	INFORMATION
SOIL CUTTING	Excess soil cuttings from drilling activities were temporarily stored in drums on-site and disposed of appropriately by a licensed contractor following the receipt of analytical results.
WATER FROM WELL DEVELOPMENT AND PURGING	Water produced during the development and purging of the monitoring wells was temporarily stored in drums on-site and disposed of appropriately by a licensed contractor following the receipt of analytical results.
FLUIDS FROM EQUIPMENT CLEANING	Equipment cleaning water was emptied onto the ground downstream of the borehole locations.

5.8. ELEVATION SURVEY

The existing ground surface and top of pipe (well casing) elevations of the boreholes/monitoring wells was surveyed using a remote GPS system. These elevations can be found in Table 1, attached and/or in the finalized field logs included as Appendix B.

5.9. QUALITY ASSURANCE AND QUALITY CONTROL MEASURES

The QA/QC measures undertaken during this investigation are outlined in *Table 5-6*, below.

Table 5-6: QA/QC Control Measurement Details

CRITERION	INFORMATION
SAMPLE CONTAINERS, PRESERVATION, LABELLING, HANDLING, AND CUSTODY FOR SAMPLES SUBMITTED FOR LABORATORY ANALYSIS	Soil samples were collected into 40 mL methanol-preserved vials for PHC F1/VOCs/BTEX analysis, and 120 and/or 240 mL glass jars without preservative for analysis of all other parameters. Groundwater samples from the monitoring wells were collected using the following laboratory supplied containers: · Dissolved metals – one (1) 125 mL plastic bottle, HNO3 preservative · Mercury – one (1) 100 mL clear glass bottle, HCl preservative · Inorganics – one (1) 500 mL plastic 'general' bottle, no preservation · Chromium VI – one (1) 125 mL plastic bottle, preserved with Ammonium Sulfate/Ammonium Hydroxide · Cyanide – one (1) 125 mL plastic bottle, preserved with Sodium Hydroxide · PHC F1/BTEX and/or VOCs – two (2) 40 mL glass vials preserved with a sodium bisulphate tablet · PHC F2-F4 – two (2) 250 mL amber glass bottles preserved with a sodium bisulphate tablet

CRITERION	INFORMATION
	· VOCs – two (2) 40 mL glass vials preserved with a sodium bisulphate tablet · OCs – one (1) 1 L amber glass bottle, no preservative Sample containers were labelled with a unique sample identification, the project number, and the sampling date. Samples were handled and stored in accordance with the Analytical Procedures outlined in Section 47 of O. Reg 153/04 and under proper chain-of-custody procedures.
EQUIPMENT CLEANING PROCEDURES DURING SAMPLING	Soil sampling equipment was cleaned following the procedures outlined *in Table 5-1*, above. The water level tape was cleaned with municipal water containing phosphate free detergent and then rinsed with distilled water prior to use in each well. Dedicated sampling equipment was used in each well to collect groundwater samples.
FIELD QUALITY CONTROL MEASURES	Blind field duplicate samples were collected and submitted for laboratory analysis as part of this investigation at a minimum rate of 10% of samples analyzed. A laboratory-prepared VOC trip blank was brought to the Site during groundwater and soil sampling activities and was submitted to the laboratory for analysis. Calibration of field equipment for field screening was conducted as outlined in *Table 5-3*, above.
DESCRIPTION AND RATIONALE FOR DEVIATIONS FROM QA/QC PROCEDURES SET OUT IN THE SAP	The QA/QC program was implemented as outlined in the SAP.

6. REVIEW AND EVALUATION OF RESULTS OF THE INVESTIGATION

6.1. GEOLOGY

The subsurface conditions encountered at the Phase Two Property through the intrusive investigation are summarized below and are depicted in the cross-sections provided as Figure 11A through Figure 14C. Finalized field logs are included as Appendix C.

Below the surficial materials (which historically included asphalt, granular bed, concrete, and topsoil), fill material consisting of various compositions of silty clay, silty sand, and sandy silt with some to trace gravel and trace asphalt fragments was encountered to depths up to approximately 3.0 mbgs. Below the fill material, native sandy silt, clayey silt, silty clay, and silty clay till was encountered to borehole termination, ranging between 6.1 and 12.1 mbgs. A gravelly sand layer was encountered at boreholes BH23-1, MW18-1A, at depths ranging between 3.1 to 3.8 and 4.6 to 5.3 mbgs, respectively.

Bedrock was not encountered during the investigations. Based on a review of the available well records, the depth to bedrock is anticipated to be between 16.7 to 25.0 mbgs.

6.2. HYDROGEOLOGY

6.2.1. Groundwater Elevations and Groundwater Flow Direction

Table 6-1: Summary of Hydrogeological Details

CRITERION	INFORMATION
WELL LOCATIONS AND SCREENED INTERVALS	Monitoring wells were installed in three (3) boreholes (BH22-1, BH22-3 and BH22-5) advanced by EnVision in 2022. Considering the current structures on the Site, borehole locations were selected in locations which were accessible for the equipment required to conduct the intrusive investigation, and locations which would provide a general understanding of the subsurface soil and water conditions. Monitoring wells were also installed in eight (8)) boreholes (BH23-1, BH23-2, BH23-3, BH23-6, BH23-7, BH23-8, MW18-1A, MW18-1B) advanced by EnVision between October and December 2023. The borehole locations were selected to replace buried, unlocated, and/or destroyed former well locations, and to further investigate previous impacts and obtain information for delineation. Monitoring wells were screened at 3.0 through 6.1 mbgs at all wells, except for MW18-1B which was screened from 10.6 to 12.1 mbgs. A summary of well construction details is presented in Table 1, attached.
FREE PRODUCT	Neither LNAPL nor DNAPL were found to be present in monitoring wells.
GROUNDWATER ELEVATIONS	The groundwater levels in the available monitoring wells installed within the overburden aquifer ranged from 0.2 to 3.6 mbgs on December 28, 2023, corresponding to groundwater elevations ranging from 181.0 to 184.8 metres above sea level (masl).

CRITERION	INFORMATION
	Additional groundwater levels and associated elevations measured at the Site during previous monitoring events are presented in Table 1, attached.
INFERRED GROUNDWATER FLOW DIRECTION	Based on the measured groundwater levels measured in December 2023, the groundwater flow direction appears to be directed to a low point measured at BH23-2, as depicted on Figure 4. It is noted, however, that surface water streams crossing the Site and in the vicinity of the Site all generally flow to the south/southeast and it is expected that local and regional groundwater flow moves in this direction. Groundwater flow direction can be influenced by seasonal fluctuation, utility services, former waterways, and other subsurface features and can only be confirmed with long term monitoring.

6.2.2. Hydraulic Gradients

Table 6-2: Summary of Hydraulic Gradients

CRITERION	INFORMATION
HORIZONTAL HYDRAULIC GRADIENT	The horizontal hydraulic gradients calculated from the December 28, 2023, groundwater elevations were calculated as the following: · Average value of 0.009 · Minimum values of 0.008 · Maximum value of 0.009
VERTICAL HYDRAULIC GRADIENT	Vertical hydraulic gradients were calculated for the nested well locations at MW18-1A and MW18-1B from December 28, 2023, groundwater elevations. The hydraulic gradient was calculated to be 0.044 m/m, upwards.

6.3. SOIL SCREENING RESULTS

6.3.1. Soil Texture Analysis

Three (3) soil samples collected during the drill program were submitted for grain size analysis and the results of the analysis are presented in Appendix D-1.

Table 6-3: Soil Texture Analysis

CRITERION	INFORMATION
RATIONALE FOR THE USE OF THE SOIL TEXTURE CATEGORY	Three (3) soil samples from the native material underwent grain size analysis, the results of which indicated that all three (3) samples were medium to fine textured, as defined by O. Reg. 153/04. Based on the stratigraphy observed during the intrusive investigation and the results of the analysis, it is the QP's opinion that greater than 2/3 of the soil at the Site (measured by volume) consists of medium to fine textured soils. Therefore, the medium to fine textured (MFT) SCS were applied at the Phase Two Property.

CRITERION	INFORMATION
GRAIN SIZE ANALYSIS RESULTS	The results of the three (3) soil samples for grain size analysis were as follows: · BH22-1 S3A: 3% Gravel, 25% Sand, 52% Silt, 20% Clay · BH22-3 S4B: 7% Gravel, 28% Sand, 46% Silt, 19% Clay · BH22-5 S3B: 11% Gravel, 29% Sand, 43% Silt, 17% Clay
RATIONALE FOR THE NUMBER OF SAMPLES COLLECTED AND ANALYZED	The grain size analyses were conducted to help determine the SCS for the Phase Two Property. A total of three (3) samples were analyzed in order to characterize the soils across the Phase Two Property.

6.3.2. Field Screening

CGD concentrations measured in the soil samples ranged from 0 to 5 ppm, while PID concentrations ranged from 0 to 210 ppm. Field screening results are presented on the finalized field logs included as Appendix B.

6.4. SOIL QUALITY RESULTS

The soil analytical results from the previous and present investigations are presented in Table 4 through Table 8 and summarized on Figure 5/5A. The chemical exceedances in soil are presented in Figure 6/6A, Figure 7, Figure 8 and Figure 9, and the laboratory certificates of analysis for soil analyzed during the current investigation are provided in Appendix C-2.

These results, along with soil quality data collected from previous investigations, are discussed in further detail in the following subsections:

6.4.1. Metals and Other Regulated Parameters

Twenty (20) soil samples, including two (2) blind field duplicates for QA/QC purposes, were collected and submitted for analysis of metals and/or ORPs by EnVision. In addition, two (2) soil samples were previously submitted for analysis by Golder during a previous site investigation. The soil analytical results for metals and ORPs are provided in Table 4 (attached). Laboratory analyses indicated that the following samples exceeded the applicable Table 1 RPIICC SCS for ORPs in the fill, as summarize on Figure 6 and summarized in the following table.

Table 6-4: Summary of ORP Exceedances in Soil

SAMPLE ID	DEPTH (MBGS)	PARAMETER	UNITS	TABLE 1 RPIICC SCS	ANALYTICAL RESULT
BH22-1 S1A / S22-1	0.0 – 0.8	Mercury	µg/g	0.27	0.41 *
BH22-1 H1A / S23-1	0.0 – 0.8	Mercury	µg/g	0.27	0.4 *
BH22-4 H1A	0.0 – 0.8	Mercury	µg/g	0.27	2.3
BH22-5 S1A	0.0 – 0.8	Mercury	µg/g	0.27	0.73
BH23-2 S1A	0.0 – 0.8	Mercury	µg/g	0.27	0.55

Notes: * where a parent and duplicate sample were both analyzed, the highest concentration was reported above as a conservative measure.

BH22-1 S1A / S22-1 indicates parent sample of BH22-1 S1A and field duplicate sample S22-1

It is noted that borehole BH23-9 was advanced between boreholes BH23-2 and BH22-4 to provide vertical delineation of the identified soil exceedances.

As the above-noted analysis indicated the presence of elevated mercury, additional analysis of soils from the locations of BH22-1 HA1 and BH22-4 HA1 was conducted for methyl mercury. These sampling locations are considered representative of the soils with elevated mercury and the results of the methyl mercury analysis indicated compliance with the applicable standard.

In addition to the above-noted mercury exceedances, an elevated concentration of molybdenum above the Table 1 SCS was identified in one (1) borehole, BH22-4, at a depth of 0.0 – 0.8 mbgs; however, an additional sample was collected from this location and depth and found the meet the Table 1 SCS. The average of the two samples are below the Table 1 SCS and, as such, this was not considered to represent an exceedance at the Site.

6.4.2. Petroleum Hydrocarbons and Benzene, Toluene, Ethylbenzene, & Xylenes in Soil

Eighteen (18) soil samples, including one (1) blind field duplicate for QA/QC purposes, were collected and submitted for analysis of PHCs and BTEX by EnVision. In addition, seven (7) samples, including one (1) blind field duplicate for QA/QC purposes, were previously submitted by Golder for the same analysis. The soil analytical results for PHCs and BTEX are provided in Table 5. Laboratory analyses indicated that all samples analysed met the applicable Table 1 SCS for PHCs and BTEX with the exception of the following:

Table 6-5: Summary of BTEX and PHC Exceedances in Soil

SAMPLE ID	DEPTH (MBGS)	PARAMETER	UNITS	TABLE 1 RPIICC SCS	ANALYTICAL RESULT
MW18-3 SA6	4.6 – 5.3	PHC F4 Gravimetric	µg/g	120	160

EnVision collected a sample at the same location and depth as Golder sample MW18-3 SA6 for PHCs, which was found to meet the applicable Table 1 SCS. As such, it is EnVision's opinion that the previously identified exceedance was anomalous and not a true representation of an exceedance at the Site.

6.4.3. Volatile Organic Compounds in Soil

Eight (8) soil samples, including one (1) blind field duplicate and two (2) trip blanks for QA/QC purposes, were collected and submitted for analysis of VOCs by EnVision. In addition, three (3) samples, including one (1) blind field duplicate for QA/QC purposes, were previously submitted by Golder for analysis. The soil analytical results for VOCs are provided in Table 6. Laboratory analyses indicated that all samples analysed met the applicable Table 1 RPIICC SCS for VOCs.

6.4.4. Polycyclic Aromatic Hydrocarbons

Eight (8) soil samples, including one (1) blind field duplicate for QA/QC purposes, were collected and submitted for analysis of PAHs by EnVision. In addition, one (1) soil sample was previously submitted for analysis by Golder. The soil analytical results for PAHs are provided in Table 7. Laboratory analyses indicated that all samples analysed met the applicable Table 1 RPIICC SCS for PAHs.

6.4.5. Polychlorinated Biphenyls

Fifteen (15) soil samples were collected and submitted for analysis of PCBs. The soil analytical results for PCBs are provided in Table 8. Laboratory analyses indicated that all samples analysed met the applicable Table 1 RPIICC SCS for PCBs.

6.4.6. Organochlorine Pesticides

Twenty-three (23) soil samples, including three (3) blind field duplicates for QA/QC purposes, were collected and submitted for analysis of OCs by EnVision. In addition, one (1) soil sample was previously submitted for analysis by Golder. The soil analytical results for OCs are provided in Table 8. Laboratory analyses indicated that the following samples exceeded the applicable Table 1 RPIICC SCS for OCs, as summarized on Figure 7 and Figure 7A:

Table 6-6: Summary of OC Exceedances in Soil

SAMPLE ID	DEPTH (MBGS)	PARAMETER	UNITS	TABLE 1 RPIICC SCS	ANALYTICAL RESULT
BH22-1 S1A	0.0 – 0.8	Chlordane	µg/g	0.05	0.11
HA22-1A S1	0.0 – 0.5	Chlordane	µg/g	0.05	0.32
HA22-1B S1	0.0 – 0.5	Chlordane	µg/g	0.05	0.58
HA22-1C S1	0.0 – 0.5	Chlordane	µg/g	0.05	0.36
		Heptachlor epoxide	µg/g	0.05	0.068
HA22-1D S1	0.0 – 0.5	Chlordane	µg/g	0.05	0.52
		Heptachlor epoxide	µg/g	0.05	0.061

6.5. GROUNDWATER QUALITY RESULTS

The groundwater analytical results from the current and previous investigations are presented in Tables 9 through Table 12 and are summarized on Figure 8. The laboratory certificates of analysis for groundwater analyzed during the current investigation are provided in Appendix C-3.

These results are discussed in further detail in the following subsections.

6.5.1. Metals and Other Regulated Parameters in Groundwater

Twenty (20) groundwater samples were collected and submitted for analysis of metals & ORPs by EnVision, including three (3) blind field duplicate for QA/QC purposes. The groundwater analytical results for Metals & ORPs are provided in Table 9. Laboratory analyses indicated that all samples met the applicable SCS, with the exception of monitoring well MW18-1, previously installed by Golder which, when resampled by EnVision in July 2022, exceeded the Table 1 SCS for molybdenum. The monitoring well was subsequently resampled in August and September 2022 using low-flow methodology and the samples were found to exceed the Table 1 SCS for molybdenum. Additionally, during the September sampling event, elevated concentrations of copper and lead exceeding the Table 1 SCS were also identified. A third re-sampling event was conducted in November 2022 and the concentrations of lead and copper were found to meet the Table 1 SCS. It is noted that the concentrations of copper and lead were below the detectable limits and/or found to meet the Table 1 SCS and, as such, it is EnVision's opinion that the elevated concentrations of lead and copper during the September 2022 sampling event are anomalous and may have been affected by sediment or other bias. An elevated concentration of Molybdenum exceeding Table 1 SCS was once again identified in the sample from MW18-1 during the November 2022 sampling event. In October 2023, EnVision completed an additional borehole program which included the advancement of four (4) boreholes (MW18-1A, BH23-1, BH23-2, and BH23-3) completed as monitoring wells to a depth of 6.1 mbgs and one (1) borehole (MW18-1B) completed as a monitoring well to a depth of 12.1 mbgs. The purpose of the October 2023 investigation was to re-

assess groundwater conditions in the area of former monitoring well MW18-1 which was previously found to contain elevated concentrations of metals in groundwater as noted above. The previously installed monitoring well MW-18 was no longer accessible and thus, an additional nested well pair (MW18-1A and MW18-1B) was installed at this location and additional monitoring wells were installed approximately 5-10 m north, south, east, and west of MW18-1A for delineation purposes.

On October 16, 2023, groundwater samples were collected from MW18-1A, MW18-1B, BH23-1 and BH23-3 for the analysis of Metals & ORPs. On October 26, 2023, one (1) groundwater sample was collected from BH23-2, and three (3) monitoring wells (MW18-1A, MW18-1B and BH23-1) were re-sampled to confirm water quality results from the initial investigation on October 16, 2023.

On December 28, 2023, groundwater samples were collected from MW18-1A, MW18-1B, BH23-1, BH23-2, and BH23-6 through BH23-8 for the analysis of metals.

The previous and most recent laboratory analyses indicated that the following samples exceeded the applicable Table 1 SCS for Metals, as summarized on Figure 9:

Table 6-7: Summary of Metal Exceedances in Groundwater

SAMPLE ID	SCREEN INTERVAL (MBGS)	PARAMETER	TABLE 1 SCS	JULY 26/22	AUG 31/22	SEPT 14/22	NOV 28/22	OCT 16/23	OCT 26/23	DEC 28/23
MW18-1/ MW18-1A	3.0 – 6.1	Copper Lead Molybdenum	5 1.9 23	< 0.9 <0.5 100*	1.2 <0.5 52	8.2 12 59	< 0.9 <0.5 82	0.94 <0.5 6.1*	<0.9 <0.5 6.2	0.98 <0.05 16
MW18-1B	10.6 –12.1	Boron Molybdenum Nickel	1700 23 14	- - -	- - -	- - -	- - -	2100 30 <1.0	2100 28 19	2100 32 <1.0
BH22-5	3.0 – 6.1	Copper Molybdenum	5 23	-	6.8 30	- -	- -	- -	- -	- -
BH23-1	3.0 – 6.1	Antimony Molybdenum	1.5 23	- -	- -	- -	- -	1.8 29	<0.50 12	<0.50 19
BH23-2	3.0 – 6.1	Molybdenum Uranium	23 8.9	- -	- -	- -	- -	- -	100 9.5	29 7.7

Notes: * where a parent and duplicate sample were both analyzed, the highest concentration was reported above as a conservative measure.

In addition to the elevated concentrations of metals noted above, elevated sodium (Na) and chloride (Cl) were also measured in monitoring well MW18-1B which exceeded the SCS for these parameters. Sodium and Chloride impacts are anticipated to be a result of the seasonal application of de-icing salts to on-site walkways and parking areas. Under O. Reg. 153/04, as amended, salt related parameters associated with the application of de-icing salts for the purpose of pedestrian and road safety may be considered exempt by the QP for the purposes of RSC filing. It is the QP's opinion that the salt-related

impacts identified above are a result of such activities, and as such, were not considered to be contaminants for the purpose of this investigation.

6.5.2. Petroleum Hydrocarbons and Benzene, Toluene, Ethylbenzene, & Xylenes in Groundwater

Nine (9) groundwater samples were collected and submitted for analysis of PHCs and BTEX by EnVision, including two (2) blind field duplicates for QA/QC purposes and one (1) trip blank. Seven (7) samples, including one (1) blind field duplicate were also previously submitted for analysis by Golder. The groundwater analytical results for PHCs and BTEX are provided in Table 10. Laboratory analyses indicated that all samples analysed met the applicable Table 1 SCS for PHCs and BTEX.

6.5.3. Volatile Organic Compounds in Groundwater

Eight (8) groundwater samples were collected and submitted for analysis of VOCs, including two (2) blind field duplicate for QA/QC purposes and two (2) trip blanks. The groundwater analytical results for VOCs are provided in Table 11. Laboratory analyses indicated that all samples analysed met the applicable Table 1 SCS for VOCs.

6.5.4. Polychlorinated Biphenyls

Three (3) groundwater samples were collected and submitted for analysis of PCBs by EnVision, including one (1) blind field duplicate for QA/QC purposes. One (1) groundwater sample was also previously submitted for analysis by Golder. The groundwater analytical results for PCBs are provided in Table 12. Laboratory analyses indicated that all samples analysed met the applicable Table 1 SCS for PCBs.

6.5.5. Organochlorine Pesticides

Three (3) groundwater samples were collected and submitted for analysis of OCs, including one (1) blind field duplicate for QA/QC purposes. One (1) groundwater sample was also previously submitted for analysis by Golder. The groundwater analytical results for OCs are provided in Table 12. Laboratory analyses indicated that all samples analysed met the applicable Table 1 SCS for OCs.

6.6. SEDIMENT QUALITY RESULTS

Sediment testing was not conducted as part of this assessment.

6.7. QUALITY ASSURANCE AND QUALITY CONTROL RESULTS

Proper field protocols for sample collection and handling were conducted in accordance with EnVision's SOPs, proper chain of custody procedures, and the Analytical Procedures outlined in Section 47 of O. Reg 153/04, with the following exceptions:

The QA/QC program was implemented as outlined in Table 5 6. Measures to limit cross-contamination, including the cleaning of field equipment, were conducted as outlined in Table 5 1.

Blind field duplicate samples were assessed as part of this investigation through a comparison of the analytical results of the original samples to the field duplicate samples. Field duplicates measure the cumulative effects of both field and laboratory precision and hence provide an indication of overall

precision. Details pertaining to the QA/QC samples collected as part of this investigation are summarized in *Table 6-8*, below:

Table 6-8: Summary of QA/QC Results

SAMPLE ID	QA/QC SAMPLE ID	DATE COLLECTED	MEDIA	PARAMETERS
BH22-1 S1A	S22-1	20-July-22	Soil	Metals & ORPs
BH22-1 S4B	S22-2	20-July-22	Soil	VOCS
BH22-2 S1B	S22-3	20-July-22	Soil	PHCS & BTEX
BH22-3 S1A	S22-4	20-July-22	Soil	PAHs
MW18-1	GW22-1	26-July-22	Groundwater	Metals & ORPs, PHCs, VOC
MW18-4	GW22-2	26-July-22	Groundwater	Metals & ORPs, PHCs, VOCs, OCs
HA22-1D	S22-6	29-September-22	Soil	OCs
BH22-D1 S1A	S22-5	28-November-22	Soil	OCs
MW18-1A	GW23-1	16-October-23	Groundwater	Metals & ORPs
MW18-1A	GW23-2	28-December-23	Groundwater	Metals

The RPD of analyzed parameters in the duplicate samples were calculated in accordance with the *Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act* (July 1, 2011). To assist with the evaluation of whether data was useful, appropriate, and accurate, the calculated RPDs were assessed against the recommended performance criteria outlined in the 2011 Protocol (where the measured concentration was greater than 5 times the MDL). The RPDs (where the RPD could be calculated) for the above samples were within the 2011 Protocol performance criteria, except for the following:

- RPD (%) calculated for sample ID BH22-1 HA1 and it's duplicate sample S23-1 failed the performance criteria for Barium, Cobalt, and Nickel parameters. It is noted that the concentrations of the above-noted parameters met the Table 1 SCS for both the parent and duplicate samples. As such, the data is considered reliable.

The remainder of the laboratory analytical data passed the performance criteria and is considered to be reliable and reproducible.

BV conducted internal QA/QC measures as outlined in their CALA procedures, including analysis of lab duplicate samples, blanks, and surrogate recoveries. The laboratory QA/QC results are provided on the Certificates of Analysis. The results were acceptable and therefore suitable for interpretation.

Further, A laboratory prepared trip blank travelled along with soil and groundwater samples and was analyzed by the laboratory for VOCs. All concentrations were below the RDL, indicating no contamination from the sample containers, preservatives, transportation, and/or storage conditions was incurred. The results also indicate that the laboratory instrument was not detecting false interference.

With respect to subsection 47 (3) of O. Reg. 153/04, all certificates of analysis of analytical reports received pursuant to clause 47 (2) (b) of the regulation comply with subsection 47(3), a certificate of analysis of analytical report has been received for each sample submitted for analysis, and all certificates of analysis or analytical reports received have been included in full in Appendix C.

6.8. PHASE TWO CONCEPTUAL SITE MODEL

Through analysis and interpretation of the Phase One ESA, Phase One CSM, and field data gathered during this Phase Two ESA, a Phase Two CSM was developed, as described in further detail below.

The Phase Two CSM (Figure 1 and Figure 2) prepared for the Site incorporates the information and data collected as part of the Phase One and Phase Two ESAs. The following subsections provide a summary discussion of the interpreted field data that is incorporated into the CSM.

6.8.1. Written Description of the Phase Two Conceptual Site Model

Table 6-9: Summary of PCAs, APECs, and Transport Pathways

CRITERION	INFORMATION
AREAS WHERE POTENTIALLY CONTAMINATING ACTIVITIES HAVE OCCURRED	Table A, attached, provides a summary and assessment of the PCAs identified on the Site and/or within the Study Area, including an assessment of which PCAs were determined to be contributing to an APEC. PCAs identified on-site and within the Study Area are depicted on Figure 1, including the number and location of USTs (if known). PCAs determined to be contributing to an APEC are shown in red, all other PCAs are shown in black.
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN	Based on a review of the PCAs summarized in Table A, APECs were identified on the Site. The table of APECs presented in the form as approved by the Director including associated COPCs and the medium that is potentially affected is provided as Table B, attached. APECs are depicted on Figure 2, Figure 2A, and Figure 2B.
SUBSURFACE STRUCTURES AND UTILITIES ON, IN OR UNDER THE PHASE TWO PROPERTY THAT MAY AFFECT CONTAMINANT DISTRIBUTION AND TRANSPORT	Underground utilities can affect contaminant distribution and transport. Trenches excavated to install utility services, and the associated granular backfill may provide preferential pathways for horizontal contaminant migration in the shallow subsurface. It is noted that the site was previously utilized as a golf course which was not serviced by municipal water or sewers. As such, underground services were limited to localized areas around the previous buildings involving connections to wells and septic systems.

6.8.2. Physical Setting

A narrative description and assessment of the physical setting of the Phase Two Property and any areas under it are outlined in *Table 6-10*, below:

Table 6-10: Summary of the Physical Setting of the Phase Two Property

CRITERION	INFORMATION
STRATIGRAPHY FROM GROUND SURFACE TO THE DEEPEST AQUIFER OR AQUITARD INVESTIGATED	The stratigraphy at the Site included fill material consisting of various compositions of silty clay, silty sand, and sandy silt with some to trave gravel and trace asphalt fragments to depths up to approximately 3.0 mbgs. Below the fill material, native sandy silt, clayey silt, silty clay, and silty clay till was encountered to borehole termination, ranging between 6.1 and 12.1 mbgs. A gravelly sand layer was encountered at boreholes BH23-1, MW18-1A, at depths ranging between 3.1 to 3.8 and 4.6 to 5.3 mbgs.
HYDROGEOLOGICAL CHARACTERISTICS, INCLUDING AQUIFERS, AQUITARDS AND, LATERAL AND VERTICAL GRADIENTS	Fourteen (14) monitoring wells were installed in the silty clay or silty clay till at screen intervals ranging from 3.1 to 6.1 mbgs to 9.1 to 12.1 mbgs, which is considered to be an unconfined overburden aquifer. Based on the December 28, 2023 groundwater elevations, the maximum, minimum, and average hydraulic gradients in the silty clay or silty clay till aquifer was 0.009, 0.008, and 0.009, respectively. Borehole MW18-1A/B was installed as a nested well pair. The vertical hydraulic gradient calculated from the December 28, 2023 groundwater elevations for this nested well pair was 0.044 upwards. Groundwater elevations and the inferred groundwater flow direction for the overburden aquifer is presented on Figure 4. Based on the measured groundwater levels from December 2023, the groundwater flow direction appears to be directed to a low point measured at BH23-2. It is noted, however, that surface water streams crossing the Site and in the vicinity of the Site all generally flow to the south/southeast and it is expected that local and regional groundwater flow moves in this direction. Groundwater flow direction can be influenced by seasonal fluctuation, utility services, former waterways, and other subsurface features and can only be confirmed with long term monitoring.
APPROXIMATE DEPTH TO BEDROCK	Bedrock was not encountered during this investigation. Based on a review of the available well records, the depth to bedrock is anticipated to be between 16.7 to 25.0 mbgs.
APPROXIMATE DEPTH TO WATER TABLE	Various groundwater monitoring events have been conducted at the Site since initial site investigations began in 2018, as summarized below: September 4, 2018 Three (3) monitoring wells were installed on the Site in 2018, including MW18-1, MW18-4, and MW18-5. The monitoring wells were installed with screen intervals of 3.1 to 6.1 mbgs. The depth to groundwater within these wells was recorded to range between 1.2 to 3,9 mbgs, corresponding to groundwater elevations ranging between 180.8 and 189.2 masl. July 26, 2022 An additional three (3) monitoring wells (BH22-1, BH22-3, and BH22-5) were installed on the Site in 2022, with screen intervals of 3.1 to 6.1 mbgs. The depth to groundwater in all on-site monitoring wells was recorded to range between 1.2 to 3.3 mbgs on July 26. 2022, corresponding to groundwater elevations ranging

CRITERION	INFORMATION
	between 181.4 and 189.3 masl. Monitoring wells BH22-1 and BH22-5 were found to be dry. August 10, 2022 The depth to groundwater in all on-site monitoring wells was recorded to range between 1.0 to 5.1 mbgs on August 10, 2022, corresponding to groundwater elevations ranging between 179.5 and 189.4 masl. October 16, 2023 All on-site monitoring wells were damaged and/or destroyed during site clearing works. Five (5) monitoring wells (MW18-1A, MW18-1B, BH23-1, BH23-2, and BH23-3) were installed on the Site in October 2023 to replace damaged or destroyed monitoring wells and to assess the groundwater quality on the southwestern portion of the Site. The wells were installed with screen intervals of 3.1 to 6.1 mbgs, with the exception of MW18-1B, which was installed with a screen interval of 9.1 to 12.1 mbgs. The depth to groundwater within these wells was recorded to range between 1.2 and 1.5 mbgs, corresponding to groundwater elevations ranging between 183.2 and 183.5 masl. Monitoring well BH23-2 was found to be dry. October 26, 2023 The depth to groundwater in all on-site monitoring wells was recorded to range between 0.9 to 5.9 mbgs on October 26, 2023, corresponding to groundwater elevations ranging between 178.7 and 183.8 masl. December 28, 2023 An additional three (3) monitoring wells (BH23-6, BH23-7, and BH23-8) were installed on the Site in December 2023, with screen intervals of 3.1 to 6.1 mbgs. The depth to groundwater in all on-site monitoring wells was recorded to range between 0.2 to 3.6 mbgs on December 28, 2023, corresponding to groundwater elevations ranging between 181.0 and 184.8 masl.
ANY RESPECT IN WHICH SECTION 35, 41 OR 43.1 OF THE REGULATION APPLIES TO THE PROPERTY	Re: Section 35: · The Site, and other properties located in whole or in part, within 250 metres of the boundaries of the property rely, or may rely, on groundwater as a potable water source. · The proposed property use is industrial/commercial. Re: Sections 41 and 43: · The Site, as a whole, contains or is within 30m of "environmentally sensitive" areas as defined by O.Reg. 153/04. The presence of environmentally sensitive areas would render the Site as environmentally sensitive, thus requiring comparison of the results to Table 1 Full Depth Background Site Condition Standards. · The Site is not considered a shallow soil site; however, the presence of groundwater at depths of less than 2 m may warrant the use of shallow soil standards in the event of RSC filing and/or risk assessment.

CRITERION	INFORMATION
	· Tributaries of Sixteen Mile Creek traverse the northwest, southwest, and southeastern \ portions of the Site. It is noted that portions of the tributary on the western portions of the Site are proposed to be diverted via re-channelization. · The soil at the property has a pH value between 5 and 9.
AREAS WHERE SOIL HAS BEEN BROUGHT FROM ANOTHER PROPERTY AND PLACED ON, IN OR UNDER THE PHASE TWO PROPERTY	Soil was not brought from another property and placed on, in, or under the Site, as part of this Phase Two ESA
APPROXIMATE LOCATIONS, IF KNOWN, OF ANY PROPOSED BUILDINGS AND OTHER STRUCTURES	The Site is proposed for redevelopment for industrial uses including one (1) building on the north portion of the Site.

6.8.3. Contamination

Identification of where contamination is present on, in, or under the Phase Two Property at a concentration exceeding the applicable SCS is outlined in *Table 6-11*, below and presented on the figures described there within.

Table 6-11: Summary of Contamination on, in, or under the Phase Two Property

AREA	DESCRIPTION	CONTAMINANTS	MEDIUM	ASSOCIATED FIGURES
1.	Localized area surrounding the former residential dwelling, located on the northeastern portion of the site	Chlordane & Heptachlor Epoxide Mercury	Soil	Figure 6, Figure 7/7A, Figure 10A/B/C & Figure 11A/B/C
2.	Localized area surrounding the former maintenance building, located on the southwestern portion of the site	Mercury	Soil	Figure 6 & Figure 10A/B/C
3	Southwestern portion of the site	Boron Copper Molybdenum	Groundwater	Figure 9 & Figure 12A/B/C

A narrative description and assessment of what is known about each of the areas outlined in the table above is provided in *Table 6-12*, below:

Table 6-12: Narrative Description of Contamination at the Phase Two Property

CRITERION	INFORMATION
WHAT IS KNOWN ABOUT EACH OF THE AREAS REFERRED TO IN *Table 6-11*	1. It is anticipated that the historical use of pesticides in the vicinity of the former residence on the northeast portion of the Site resulted in the elevated concentrations of Chlordane and Heptachlor Epoxide (OCs) and mercury. 2. Historically, a maintenance shop was located on the southwestern portion of the Site, which was anticipated to have included the use of metals and ORPs. 3. Historically, a maintenance shop was located on the southwestern portion of the Site, which was anticipated to have included the use of metals and ORPs. Impacts were identified within soil, which may have leached into groundwater.
THE DISTRIBUTION OF CONTAMINANTS IN EACH OF THE AREAS REFERRED TO IN *Table 6-11*	1. Concentrations of Chlordane, Heptachlor Epoxide, and mercury exceeding the applicable Table 1 RPIICC SCS were identified in surficial soils in the northeast corner of the Site. These impacts were delineated to a localized area to a maximum depth of 0.8 mbgs, as presented on the associated figures outlined above. 2. Concentrations of mercury exceeding the Table 1 SCS were identified in soils on the southwestern portion of the Site in the vicinity of the former maintenance building. These impacts were delineated to an area in the vicinity of the former maintenance building to a maximum depth of 0.8 mbgs, as presented on the associated figures outlined above. 3. Concentrations of boron, molybdenum and copper exceeding the Table 1 SCS were identified in groundwater on the southwestern portion of the Site in the vicinity of the former maintenance building at screened depths ranging between 3.1 and 12.1 mbgs. These impacts were delineated to the southwestern portion of the Site; however, have not been vertically delineated.
ANYTHING KNOWN ABOUT THE REASON FOR THE DISCHARGE OF THE CONTAMINANTS INTO THE NATURAL ENVIRONMENT	1. Contaminants within the fill materials on the northeastern portion of the Site are anticipated to be resulting from the historical application of pesticides on the Phase Two Property. 2. It is anticipated that historical activities associated with the former maintenance shop resulted in the elevated concentrations of mercury in soil on the southwestern portion of the Site. 3. It is anticipated that historical activities associated with the former maintenance shop resulted in the elevated concentrations of metals in groundwater on the southwestern portion of the Site.
ANYTHING KNOWN ABOUT MIGRATION OF THE CONTAMINANTS AWAY FROM ANY APEC, INCLUDING THE IDENTIFICATION OF ANY	All identified impacts appear to be limited to areas adjacent to the former house on the northeastern portion the Site and/or the former maintenance building on the southwestern portion of the Site.

CRITERION	INFORMATION
PREFERENTIAL PATHWAYS	
CLIMATIC OR METEOROLOGICAL CONDITIONS THAT MAY HAVE INFLUENCED DISTRIBUTION AND MIGRATION OF THE CONTAMINANTS	The Site is primarily soft surfaced with landscaped elements present throughout the majority of the Site. Climatic or meteorological conditions are not considered to have greatly influenced the distribution or migration of the contaminants although it appears that some southward migration of groundwater exceeding Table 1 has occurred south of the former maintenance building. It is noted that the southern-most monitoring well fails Table 1 SCS but meets the potable groundwater standards outlined in Table 2 SCS.
INFORMATION CONCERNING SOIL VAPOUR INTRUSION OF THE CONTAMINANTS INTO BUILDINGS	Given the nature of the contaminants identified in this investigation, vapour intrusion is not of concern.

6.8.4. Contaminant Transport Model

A narrative description of the contaminant transport model for contaminants identified on, in or under the Phase Two Property at concentrations greater than the applicable SCSs is provided in the list below. The contaminant transport diagrams are presented as Figure 13 and Figure 14, attached.

The release mechanisms were identified as historical industrial and commercial activities on or adjacent to the Phase Two Property.

The applicable human and ecological receptors and contaminant transport/exposure pathways include:

Human Receptors:

- Future Indoor and Outdoor Workers
- Construction worker
- Future Residents and site visitors (toddler and adult)

Transport/Exposure routes of contaminants to human receptors:

- Dermal Contact with Soil
- Incidental Soil Ingestion
- Inhalation of airborne particles
- Vapour inhalation (indoor air and outdoor air and off site)
- Trench air
- Dermal contact with groundwater during trenching activities (includes incidental ingestion)
- Off Site migration of groundwater
- Future Garden Vegetation

Ecological Receptors:

- Plants
- Terrestrial Invertebrates
- Mammals & Birds
- On and Off site aquatic receptors

Transport/Exposure routes of contaminants to ecological receptors:

- Ingestion of soil contaminants (direct)
- Immersion in soil contaminants (direct)
- Plant root uptake (direct)
- Ingestion of and dermal contact with surface water (indirect)
- Ingestion of plants (indirect)
- Ingestion of invertebrates (indirect)
- Ingestion of animal prey (indirect)
- Ingestion of aquatic biota (indirect)

A risk assessment will be completed to determine the potential health risks associated with exposure to soil and groundwater impacts based on the above receptors and pathways of concern.

6.8.5. Exemptions

A narrative description and rationale of the exemptions applied and/or relied upon are outlined in *Table 6-13*, below:

Table 6-13: Narrative Description of Exemptions Applied at the Phase Two Property

CRITERION	INFORMATION
NON-STANDARD DELINEATION IN ACCORDANCE WITH SECTION 7.1 OF SCHEDULE E	Groundwater with elevated concentrations of metals have been identified in the vicinity, and south, of the former maintenance building on the southwestern portion of the Site but have not delineated vertically. It is the QP's opinion that non-standard vertical delineation is appropriate given the following: · The highest concentrations of contaminants have been identified in boreholes situated adjacent to the former maintenance building; · All contaminants of concern on, in or under the Phase Two Property have been identified; · Appropriate steps have been undertaken to locate the maximum concentration of contaminants; and · The QP is satisfied that additional efforts to delineate the contaminants of concern are unlikely to contribute ay further significant or meaningful information regarding the interpretation of the distribution and extent of contaminants on, in or under the Phase Two Property.
APPLICATION OF EXEMPTION SET OUT IN PARAGRAPH 1 OF	The QP is relying upon the exemption set out in paragraph 1 of section 49.1 of the regulation. Exceedances of the site condition standards for Na and Cl were found

CRITERION	INFORMATION
SECTION 49.1 OF O.REG 153/04.	in groundwater upon the Phase Two Property. The areas of the Phase Two Property where the exceedances of the site condition standards were found are where, and directly adjacent to where, road salt has been applied on an annual basis for pedestrian and vehicular safety. For this reason, the exemption is being relied upon.
APPLICATION OF EXEMPTION SET OUT IN PARAGRAPH 1.1 OF SECTION 49.1 OF O.REG 153/04.	Not applicable.
APPLICATION OF EXEMPTION SET OUT IN PARAGRAPH 2 OF SECTION 49.1 OF O.REG 153/04.	Not applicable.
APPLICATION OF EXEMPTION SET OUT IN PARAGRAPH 3 OF SECTION 49.1 OF O.REG 153/04.	Not applicable.
APPLICATION OF EXEMPTION IN SUBSECTION 6 (2) OF SCHEDULE E IN ACCORDANCE WITH SUBSECTIONS 43 (3) AND (4) OF SCHEDULE E	Not applicable.
APPLICATION OF EXEMPTION IN SUBSECTION 6 (2) OF SCHEDULE E IN ACCORDANCE WITH SUBSECTIONS 43 (4) OF SCHEDULE E	Not applicable.

7. CLOSING

7.1. CONCLUSIONS

Based on the above referenced investigations, EnVision presents the following findings and conclusions:

- Localized elevated concentrations of organochlorinated pesticides and mercury have been identified in soil which exceed the stringent Table 1 SCS.
- Localized elevated concentrations of metals were identified in groundwater in the area of the former maintenance building at the location of boreholes MW18-1, BH22-5, BH23-2, and BH23-7.
- It is noted that there is no proposed change in land use to a more sensitive use and, as such, a Record of Site Condition is not required under O. Reg. 153/04. It is understood, however, that the Region's "Protocol for Reviewing Development Applications with Respect to Contaminated or Potentially Contaminated Sites" requires that occurrences of elevated parameters which exceed the applicable site condition standards be addressed via remediation and/or risk assessment to verify that the Site is suitable for the intended use.
- It is noted that there is no proposed change in land use to a more sensitive use and, as such, a Record of Site Condition is not required under O. Reg. 153/04. It is understood, however, that Halton Region's "Protocol for Reviewing Development Applications with Respect to Contaminated or Potentially Contaminated Sites" requires that occurrences of elevated parameters which exceed the applicable site condition standards be addressed via remediation and/or risk assessment to verify that the Site is suitable for the intended use.
- An RA will be completed to address the presence of the above-noted soil and groundwater impacts to support the redevelopment of the Site in accordance with the Region's protocol.

7.2. QUALIFICATIONS OF THE ASSESSORS

Rutu Amin, B.Sc., MES., Environmental Scientist

Rutu Amin is an Environmental Scientist with Envision Consultants Ltd. Rutu has obtained a Bachelor of Science and Master's Degree specializing in Environmental Sciences and has two years of experience in conducting field work investigations and report writing for Phase One and Phase Two ESAs on a variety of residential, commercial and industrial properties.

Shawna Lundrigan, B.Sc., EP Team Coordinator – Environment

Shawna Lundrigan is a Certified Environmental Professional (EP). She is currently a Team Coordinator and Project Manager with EnVision Consultants Ltd. with nine years of experience conducting Phase One and Two ESAs on a variety of residential, commercial, and industrial properties. Shawna's project management experience includes preparation of proposals, work plans and cost estimates, setting, maintaining, and tracking project schedules and budgets, overseeing, assisting with, and reviewing the execution of projects and report writing, and liaising with technical specialists to ensure technical integrity. Shawna also has experience in coordinating projects, field supervision, geo-environmental

drilling, and collecting environmental samples of different mediums. Additionally, she has been involved in soil vapour and air monitoring on various Risk Assessment projects and overseen remedial excavations for various tank and gasoline service station decommissioning. Further technical duties include data analysis and technical report writing.

Rodney Obdeyn, P.Eng., QPESA, Senior Environmental Engineer

Rodney Obdeyn is a Senior Environmental Engineer with EnVision Consultants Ltd., licensed in the Province of Ontario. Rodney obtained a Bachelor of Engineering Degree from McMaster University and has been involved with hundreds of Phase One and Phase Two Environmental Site Assessments for both private and public sector projects including residential, commercial, and industrial land uses as well as large infrastructure projects. He also possesses extensive experience in soil and groundwater remediation, Risk Assessment, Record of Site Conditions, and Excess Soil Management in accordance with O. Reg. 406/19 and is a Qualified Person (QPESA) under O. Reg. 153/04 and O. Reg 406/19.

7.3. CERTIFICATION AND SIGNATURES

EnVision confirms the findings and conclusions of this Phase Two ESA, prepared in accordance with O. Reg. 153/04.

Prepared By:

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7.4. QUALIFIER

EnVision prepared this report solely for the use of the intended recipient in accordance with the professional services agreement. In the event a contract has not been executed, the parties agree that the EnVision General Terms and Conditions, which were provided prior to the preparation of this report, shall govern their business relationship.

The report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment. The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

The content and opinions contained in the report are based on the observations and/or information available to EnVision at the time of preparation, using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by EnVision and other engineering/scientific practitioners working under similar conditions, and subject to the same time, financial and physical constraints applicable to this project.

EnVision disclaims any obligation to update this report if, after the date of this report, any conditions appear to differ significantly from those presented in this report; however, EnVision reserves the right to amend or supplement this report based on additional information, documentation or evidence.

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EnVision has provided services to the intended recipient in accordance with the professional services agreement between the parties and in a manner consistent with that degree of care, skill and diligence normally provided by members of the same profession performing the same or comparable services in respect of projects of a similar nature in similar circumstances. It is understood and agreed by EnVision and the recipient of this report that EnVision provides no warranty, express or implied, of any kind. Without limiting the generality of the foregoing, it is agreed and understood by EnVision and the recipient of this report that EnVision makes no representation or warranty whatsoever as to the sufficiency of its scope of work for the purpose sought by the recipient of this report.

In preparing this report, EnVision has relied in good faith on information provided by others, as noted in the report. EnVision has reasonably assumed that the information provided is correct and EnVision is not responsible for the accuracy or completeness of such information.

Unless otherwise agreed in writing by EnVision, the Report shall not be used to express or imply warranty as to the suitability of the site for a particular purpose. EnVision disclaims any responsibility for consequential financial effects on transactions or property values, or requirements for follow-up actions /or costs.

This limitations statement is considered an integral part of this report.

8. REFERENCES

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TABLES

Notes for Analytical Tables

1.	ABNs	acid base neutral compounds
2.	APEC	Area of Potential Environmental Concern
3.	BTEX	benzene, toluene, ethylbenzene, xylenes
4.	CPs	chlorophenols
5.	masl	metres above sea level
6.	mbgs	metres below ground surface
7.	OCs	organochlorinated pesticides
8.	ORPs	other regulated parameters
9.	PAHs	polycyclic aromatic hydrocarbons
10.	PCBs	polychlorinated biphenyls
11.	PHCs	petroleum hydrocarbons
12.	VOCs	volatile organic compounds
13.	●	parameter selected for analysis
14.	-	parameter not analyzed
15.	*	pH criteria for surface soils (<1.5 mbgs) is 5 to 9, for subsurface soil (>1.5 mbgs) is 5 to 11
16.	soil units	Units for soil analyses are in µg/g (ppm), with the exception of electrical conductivity, which is in mS/cm and pH and sodium adsorption ratio, which are unitless
17.	gw units	Units for groundwater analyses are in µg/L (ppb)
18.	Table 1 RPIICC	Full Depth Background Site Condition Standards for All Uses other than Agricultural, as detailed in Table 1 of the Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, published by the MECP on April 15, 2011
19.	6.1	concentration exceeds the applicable Site Condition Standards

Table A - Summary of Potentially Contaminating Activities On-Site and Within Study Area

(Refer to Table 2, Schedule D, O. Reg. 153/04)

Potentially Contaminating Activity (PCA)		Description
27 .1	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Phase One Property - An operational auto service garage was identified on the Phase One Property, within Site Building C, located on the southeastern portion of the Site. The garage is used to service vehicles used for the maintenance of the property. **(APEC 1)**
28 .1	Gasoline and Associated Products Storage in Fixed Tanks	Phase One Property - Based on a review of TSSA documents and the previous Phase I report, two (2) USTs were located on Site and were removed in 1986 by Twiss Fuels. The location of these USTs are unknown; however, it is assumed that the USTs were historically in the vicinity of the present day refueling ASTs. **(APEC 2)**
28 .2	Gasoline and Associated Products Storage in Fixed Tanks	Phase One Property - Based on a review of TSSA records and the Site reconnaissance, two (2) active ASTs (gasoline and diesel) are located on the southeast portion of the Site, east adjacent to Site Building C. **(APEC 2)**
28 .3	Gasoline and Associated Products Storage in Fixed Tanks	Phase One Property - Based on the Site reconnaissance and previous Phase I report, one (1) fuel oil AST is located on the eastern portion of the Site, southwest adjacent to Site Building B. **(APEC 3)**
28 .4	Gasoline and Associated Products Storage in Fixed Tanks	Phase One Property - Based on a review of TSSA records and the previous Phase I report, an AST was historically located on the southeastern portion of the Site, east adjacent to Site Building C. **(APEC 4)**
28 .5	Gasoline and Associated Products Storage in Fixed Tanks	Phase One Property - Based on a review of a previous Phase I report and the Site reconnaissance, a fuel oil AST is located on the northeastern portion of the Site, on the northern side of Site Building D. **(APEC 5)**
30 .1	Importation of Fill Material of Unknown Quality	Phase One Property - It is anticipated that fill materials were brought to the Phase One Property during the construction of the Site. The environmental quality of fill used within the Phase One Property is not known. **(APEC 6)**

Potentially Contaminating Activity (PCA)		Description
40 .1	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Phase One Property - Based on the Site reconnaissance, pesticides are anticipated to be used on a large scale for maintaining the Site as an operational golf course. **(APEC 7)**
55 .1	Transformer Manufacturing, Processing and Use	Phase One Property – Based on the Site reconnaissance, a concrete mounted transformer is located on the eastern portion of the Phase One Property, adjacent to Sixth Line. **(APEC 8)**
58 .1	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Phase One Property – Based on a review of the ERIS report, Trafalgar Golf and Country Club Ltd., located on the Phase One Property is registered under waste management records for the for the generation, use, and/or storage of petroleum distillates and waste crank oil & lubricants, between 1992 and 2022. **(APEC 9)**
58 .2	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Phase One Property – Based on a review of the ERIS report, Danosh Construction was located on the Phase One Property and registered under waste management records for the for the generation, use, and/or storage of light fuels, between 2018 and 2019. Aerial images show that the staging of this construction took place between Site Buildings A and B. **(APEC 10)**
A .1	Spills	Phase One Property – Based on a review of the ERIS report, a fuel oil spill of unknown volume occurred in 2017 from a fuel oil AST. Although the exact location of the spill is unknown, it is anticipated that the spill likely occurred in the vicinity of the fuel oil AST located in the basement of Site Building B. **(APEC 11)**

Potentially Contaminating Activity (PCA)		Description
A .2	Spills	Study Area – Based on a review of the ERIS report, a gasoline spill occurred in 2005 when a vehicle overturned 160 m west of the Phase One Property, on Derry Road West. Given the distance from the Phase One Property, and the relative direction of ground water flow, this PCA is not considered to be contributing to an APEC.
B .1	Used Motor Oil Storage	Phase One Property – A review of a previous Phase I Report and the Site reconnaissance included the documentation/observation of three (3) 205 L waste oil drums and six (6) 20 L pails 10 m east of Site Building C. **(APEC 12)**

Notes:

1 - Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D of O.Reg 153/04

2 - A, B, C represent PCAs not specified in Table 2, Schedule D of O. Reg 153/04

3 - Red highlighting indicates that the PCA is considered contributing to an APEC

Table B - Areas of Potential Environmental Concern

(Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)		Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1	Southeastern portion of the Phase One Property, in the area of Site Building C	27 .1	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	on-site	metals, As, Se, Sb, Hg, Cr (VI), PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
APEC 2	Southeastern portion of the Phase One Property, east of Site Building C	28 .1, .2	Gasoline and Associated Products Storage in Fixed Tanks	on-site	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
APEC 3	Central east portion of the Phase One Property, southwest adjacent to Site Builiding B	28 .3	Gasoline and Associated Products Storage in Fixed Tanks	on-site	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
APEC 4	Southeastern portion of the Phase One Property, east of Site Building C	28 .4	Gasoline and Associated Products Storage in Fixed Tanks	on-site	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
APEC 5	Northeastern portion of the Site, west adjacent to Site Building D	28 .5	Gasoline and Associated Products Storage in Fixed Tanks	on-site	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)		Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted
APEC 6	Entire Site	30 .1	Importation of Fill Material of Unknown Quality	on-site	metals, As, Se, Sb, Hg, Cr (VI), CN-, B-HWS, PHCs, BTEX, PAHs	Soil
APEC 7	Entire Site	40 .1	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	on-site	metals, As, Se, Sb, Hg, OCs	Soil and Groundwater
APEC 8	Eastern property line of the Phase One Property	55 .1	Transformer Manufacturing, Processing and Use	on-site	PHCs, BTEX, PAHs, PCBs	Soil
APEC 9	Southeastern portion of the Phase One Property, in the area of Site Building C	58 .1	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	on-site	PHCs, BTEX	Soil and Groundwater

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)		Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted
APEC 10	Central east portion of the Phase One Property, southwest adjacent to Site Builiding B	58 .2	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	on-site	PHCs, BTEX, VOCs, PAH	Soil and Groundwater
APEC 11		A .1	Spills	on-site	PHCs, BTEX, VOCs	Soil and Groundwater
APEC 12	Southeastern portion of the Phase One Property, east of Site Building C	B .1	Used Motor Oil Storage	on-site	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater

Notes:

1 - Area of Potential Environmental Concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
(a) identification of past or present uses on, in or under the phase one property, and
(b) identification of potentially contaminating activity.

2 - Potentially Contaminating Activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a

phase one study area

3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

ABNs - Acid Base Neutral Compounds	PCBs - Polychlorinated Biphenyls	Metals	Na - Sodium
CPs - Chlorophenyls	PAHs - Polycyclic Aromatic Hydrocarbo	As, Sb, Se - Arsenic, Antimony, Selenium	CN^- - Cyanide
1, 4 - Dioxane	THMs - Trihalomethanes	Electrical Conductivity	Hg - Mercury
Dioxins/Furans, PCDDs/PCDFs	VOCs - Volatile Organic Compounds	B-HWS - Boron (Hot Water Soluable)	Methyl Mercury
OCs - Organochlorine Pesticides	BTEX - Benzene, Toluene, Ethylbenzer	Cr (VI) - Hexavalent Chromium	High/Low pH
PHCs - Petroleum Hydrocarbons	Ca, Mg - Calcium, Magnesium	SAR - Sodium Adsorption Ratio	

Table 1 - Monitoring Well Details

Monitoring Well ID			MW18-1	MW18-1A	MW18-1B	MW18-4	MW18-5	BH22-1	BH22-3	BH22-5	BH23-1	BH23-2	BH23-3
Installed By			Golder	EnVision	EnVision	Golder	Golder	EnVision	EnVision	EnVision	EnVision	EnVision	EnVision
Installation Date			27-Aug-18	11-Oct-23	12-Oct-23	28-Aug-18	28-Aug-18	20-Jul-22	20-Jul-22	21-Jul-22	11-Oct-23	11-Oct-23	11-Oct-23
Well Status			Destroyed	Active	Active	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Active	Active	Active
Height of Monument Casing		(m)	-	0.96	0.96	-	-	-	-	-	0.93	0.93	0.94
Well Inner Diameter		(mm)	50	50	50	50	50	50	50	50	50	50	50
Casing Type			Flushmount	Monument	Monument	Flushmount	Flushmount	Flushmount	Flushmount	Flushmount	Monument	Monument	Monument
Top of Pipe Elevation		(masl)	184.6	183.7	183.7	189.2	190.3	190.3	189.4	184.5	183.7	183.7	183.8
Ground Surface Elevation		(masl)	184.7	184.6	184.6	189.3	190.4	190.4	189.5	184.6	184.6	184.6	184.7
Bottom of Concrete Seal/Top of Bentonite Seal		(mbgs)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
		(masl)	184.4	184.3	184.3	189.0	190.1	190.1	189.2	184.3	184.3	184.3	184.4
Bottom of Bentonite Seal/Top of Sand Pack		(mbgs)	2.7	2.7	10.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
		(masl)	182.0	181.9	174.2	186.6	187.7	187.7	186.8	181.9	181.9	181.9	182.0
Top of Well Screen		(mbgs)	3.1	3.1	10.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
		(masl)	181.6	181.5	173.9	186.2	187.3	187.3	186.4	181.5	181.5	181.5	181.6
Screen Length		(m)	3.0	3.0	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Bottom of Screen		(mbgs)	6.1	6.1	12.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
		(masl)	178.6	178.5	172.4	183.2	184.3	184.3	183.4	178.5	178.5	178.5	178.6
04-Sep-18	Depth of GW	(mbgs)	3.9	-	-	2.7	1.2	-	-	-	-	-	-
	GW Elevation	(masl)	180.8	-	-	186.6	189.2	-	-	-	-	-	-
26-Jul-22	Depth of GW	(mbgs)	3.3	-	-	1.4	1.2	Dry	2.0	Dry	-	-	-
	GW Elevation	(masl)	181.4	-	-	187.9	189.3	Dry	187.5	Dry	-	-	-
10-Aug-22	Depth of GW	(mbgs)	1.5	-	-	1.5	1.0	3.6	1.9	5.1	-	-	-
	GW Elevation	(masl)	183.2	-	-	187.8	189.4	186.8	187.6	179.5	-	-	-
16-Oct-23	Depth of GW	(mbgs)	-	1.3	1.2	-	-	-	-	-	1.2	Dry	1.5
	GW Elevation	(masl)	-	183.4	183.5	-	-	-	-	-	183.4	-	183.2
26-Oct-23	Depth of GW	(mbgs)	-	1.3	0.9	-	-	-	-	-	1.2	5.9	*
	GW Elevation	(masl)	-	183.3	183.8	-	-	-	-	-	183.4	178.7	-

Table 2 - Summary of Chemical Analysis in Soil

Borehole ID	Sample ID	Depth (mbgs)	Date	Parameters							APEC #
				M&ORP	Metals	PHCs &/or BTEX	VOCs	PAHs	PCBs	OCs	
MW18-1	SA7	4.6 - 6.1	27-Aug-18	-	-	●	●	-	-	-	Historical Golder Data
DUP 1				-	-	●	●	-	-	-	
MW18-1A	S1B	0.8 - 1.5	11-Oct-23	-	●			-	-	-	Delineation
MW18-2	SA5	3.1 - 3.7	27-Aug-18	-	-	●	●	-	-	-	Historical Golder Data
MW18-3	SA6	4.6 - 5.3		●	-	●	-	-	●	●	
MW18-4	SA3A	3.1 - 3.7	28-Aug-18	-	-	●	-	-	-	-	
MW18-5	SA3A	3.1 - 3.4		-	-	●	-	-	-	-	
MW18-6	SA2B	2.3 - 3.1		-	-	●	-	-	-	-	
MW18-7	SA2B	2.3 - 3.1		●	-	-	-	●	-	-	
MW18-8	SA2A	1.5 - 2.6		●	-	-	-	●	-	-	
MW18-9	SA1C	0.9 - 1.5		●	-	-	-	●	-	-	
SH-BH-1	-	0.03		●	-	-	-	-	●	●	
SH-BH-2	-	0.03		●	-	-	-	-	●	●	
SH-BH-3	-	0.03		●	-	-	-	-	●	●	
BH23-1	S1A	0.0 - 0.8	11-Oct-23	-	●	-	-	-	-	-	Delineation
BH23-2	S1A	0.0 - 0.8		-	●	-	-	-	-	-	
BH23-3	S1A	0.0 - 0.8		-	●	-	-	-	-	-	
BH22-5A	S1B	0.8 - 1.5		-	●	-	-	-	-	-	
BH22-1	S1A	0.0 - 0.8	20-Jul-22	●	-	-	-	-	-	●	5
	S22-1			●	-	-	-	-	-	-	
	S1B	0.8 - 1.5		-	-	●	-	●	-	●	
	S4A	4.6 - 5.3		-	-	●	-	-	-	-	
	S4B	5.3 - 6.1		-	-	-	●	-	-	-	
	S22-2			-	-	-	●	-	-	-	
	HA1	0.0 - 0.8	16-Aug-23	●	-	-	-	-	-	-	
HA22-1A	S1	0.0 - 0.5	29-Sep-22	-	-	-	-	-	-	●	Delineation
HA22-1B	S1	0.0 - 0.5		-	-	-	-	-	-	●	
HA22-1C	S1	0.0 - 0.5		-	-	-	-	-	-	●	
HA22-1D	S1	0.0 - 0.5		-	-	-	-	-	-	●	
	S22-6			-	-	-	-	-	-	●	
BH22-A1	S1A	0.6 - 1.2	28-Nov-22	-	-	-	-	-	-	●	
BH22-B1	S1A	0.3 - 0.9		-	-	-	-	-	-	●	
BH22-C1	S1A	0.3 - 1.2		-	-	-	-	-	-	●	
BH22-D1	S1A	0.3 - 1.2		-	-	-	-	-	-	●	
	S22-5			-	-	-	-	-	-	●	
BH22-2	S1A	0.0 - 0.8	20-Jul-22	●	-	-	-	-	-	●	6, 7
	S1B	0.8 - 1.5		-	-	●	-	●	-	-	
	S22-3			-	-	●	-	-	-	-	
	S3A	3.0 - 3.8		-	-	●	-	-	-	-	
	S4B	5.3 - 6.1		-	-	-	●	-	-	-	
BH22-3	S1A	0.0 - 0.8	20-Jul-22	-	-	●	-	●	-	-	3, 10, 11
	S22-4			-	-	-	-	●	-	-	

Table 2 - Summary of Chemical Analysis in Soil

Borehole ID	Sample ID	Depth (mbgs)	Date	Parameters							APEC #
				M&ORP	Metals	PHCs &/or BTEX	VOCs	PAHs	PCBs	OCs	
BH22-3	S1B	0.8 - 1.5	20-Jul-22	●	-	-	-	-	-	●	3, 10, 11
	S3A	3.0 - 3.8		-	-	●	-	-	-	-	
	S4B	5.3 - 6.1		-	-	-	●	-	-	-	
BH22-4	S1A	0.0 - 0.8	26-Jul-22	●	-	-	-	●	-	-	1, 9
	S1B	0.8 - 1.5		-	-	●	-	-	-	-	
	S2B	2.3 - 3.0		-	-	●	-	-	-	-	
	S3A	3.0 - 3.8		-	-	-	●	-	-	-	
	HA1	0.0 - 0.8	16-Aug-23	●	-	-	-	-	-	-	Re-analyze BH22-4 S1A
BH22-5	S1A	0.0 - 0.8	20-Jul-22	●	-	-	-	-	-	●	2, 4, 12
	S1B	0.8 - 1.5		-	-	●	-	●	-	-	
	S3A	3.0 - 3.8		-	-	●	-	-	-	-	
	S4B	5.3 - 6.1		-	-	-	●	-	-	-	
	HA1	0.0 - 0.8	16-Aug-23	●	-	-	-	-	-	-	Re-analyze BH22-5 S1A
GS22-1	GS22-1	0.0 - 0.5	20-Jul-22	-	-	●	-	●	●	-	8
GS22-2	GS22-2	0.0 - 0.6	17-Nov-22	●	-	●	-	-	-	●	5
BH23-4	S1A	0.0 - 0.8	19-Dec-23	●	-	-	-	-	-	-	Delineation
	S4A	4.6 - 5.3		-	-	●	-	-	-	-	
BH23-5	S4A	4.6 - 5.3	19-Dec-23	-	-	●	-	-	-	-	
BH23-6	S4A	4.6 - 5.3	19-Dec-23	-	-	●	-	-	-	-	
BH23-7	S1A	0.0 - 0.8	19-Dec-23	●	-	-	-	-	-	-	
BH23-8	S1A	0.0 - 0.8	19-Dec-23	●	-	-	-	-	-	-	
BH23-9	S1B	0.8 - 1.5	19-Dec-23	●	-	-	-	-	-	-	
BH18-3B	S4A	4.6 - 5.3	19-Dec-23	-	-	●	-	●	-	-	
	S4B	5.3 - 6.1	19-Dec-23	-	-	●	-	-	-	-	

See Notes for Analytical Tables included at the beginning of this Section

Table 3 - Summary of Chemical Analysis in Groundwater

Well ID	Screened Depth (mbgs)	Date	Parameters				APEC #
			M&ORP	PHCs	VOCs	OCs	
MW18-1	3.0 - 6.1	26-Jul-22	●	●	●	-	1, 9
		31-Aug-22	●	-	-	●	
		14-Sep-22	●	-	-	-	
		28-Nov-22	●	-	-	-	
GW22-1		26-Jul-22	●	●	●	-	
MW18-1A	3.0 - 6.1	16-Oct-23	●	-	-	-	Delineation for MW18-1
		26-Oct-23	●	-	-	-	
		28-Dec-23	●	-	-	-	
GW23-1		16-Oct-23	●	-	-	-	
GW23-2		28-Dec-23	●	-	-	-	
MW18-1B	10.6 - 12.1	16-Oct-23	●	-	-	-	
		26-Oct-23	●	-	-	-	
		28-Dec-23	●	-	-	-	
MW18-4	3.0 - 6.1	26-Jul-22	●	●	●	●	3, 10, 11
GW22-2			●	●	●	●	
MW18-5	3.0 - 6.1		●	●	●	●	7
BH22-3	3.0 - 6.1		●	●	●	-	3, 10, 11
BH22-1	3.0 - 6.1	10-Aug-22	●	●	●	-	5
BH22-5	3.0 - 6.1		●	●	●	-	2, 4, 12
BH23-1	3.0 - 6.1	16-Oct-23	●	-	-	-	Delineation for MW18-1
		26-Oct-23	●	-	-	-	
		28-Dec-23	●	-	-	-	
BH23-2	3.0 - 6.1	26-Oct-23	●	-	-	-	
		28-Dec-23	●	-	-	-	
BH23-3	3.0 - 6.1	16-Oct-23	●	-	-	-	
BH23-6	3.1 - 6.1	28-Dec-23	●	-	-	-	
BH23-7	3.1 - 6.1	28-Dec-23	●	-	-	-	
BH23-8	3.1 - 6.1	28-Dec-23	●	-	-	-	

See Notes for Analytical Tables included at the beginning of this Section

Table 4 - Metals & ORPs in Soil

Parameter	Borehole ID / Sample ID	MW18-1A S1B	BH18-3 SA6	BH18-9 SA1C	BH22-1 S1A	BH22-1 S22-1	BH22-1 HA1	BH22-1 S23-1	BH22-2 S1A
Date of Collection	Table 1 RPIICC	11-Oct-23	27-Aug-18	28-Aug-18	20-Jul-22		16-Aug-23		20-Jul-22
Date Reported		20-Oct-23	6-Sep-18	6-Sep-18	1-Aug-22		24-Aug-23		11-Aug-22
Sampling Depth (mbgs)		0.8 - 1.5	4.6 - 5.3	0.9 - 1.5	0.0 - 0.8		0.0 - 0.8		0.0 - 0.8
Analytical Report Reference No.		C3V7405	B8M3562	B8M3562	C2K6969		C3O7731		C2K6969
Antimony	1.3	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Arsenic	18	4.7	5.4	5.6	2.8	2.8	3.2	2.3	4.4
Barium	220	83	65	69	47	50	64	46	32
Beryllium	2.5	0.71	0.62	0.68	0.37	0.36	0.46	0.32	0.27
Boron	36	6.3	12	13	5.5	<5.0	5.9	<5.0	7.5
Boron (Hot Water Extractable)	NA	-	0.57	0.33	0.35	0.4	0.12	0.18	0.24
Cadmium	1.2	0.26	<0.10	0.11	0.14	0.17	0.1	<0.10	0.24
Chromium	70	19	19	18	13	13	16	12	8
Cobalt	21	11	11	12	5.4	5.2	7	4.7	4.3
Copper	92	18	35	33	23	21	21	19	25
Lead	120	11	15	11	11	11	8	7.7	17
Molybdenum	2	<0.50	<0.50	0.52	<0.50	<0.50	<0.50	<0.50	0.95
Nickel	82	23	23	25	12	12	16	11	11
Selenium	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Silver	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Thallium	1	0.1	0.13	0.13	0.072	0.074	0.084	0.075	0.085
Uranium	2.5	0.83	0.64	0.67	0.49	0.46	0.49	0.48	0.72
Vanadium	86	28	27	26	21	19	24	19	14
Zinc	290	66	61	61	44	43	41	36	69
Chromium, Hexavalent	0.66	-	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.18
Cyanide, Free	0.051	-	<0.01	<0.01	<0.01	<0.01	-	-	<0.01
Mercury	0.27	<0.050	<0.050	<0.050	0.33	0.41	<0.050	0.4	<0.050
Methyl Mercury	0.0094*	-	-	-	-	-	0.0003	-	-
Electrical Conductivity (2:1)	0.57	-	0.21	0.22	0.22	0.2	-	-	0.21
Sodium Adsorption Ratio	2.4	-	0.55	0.23	0.52	0.44	-	-	0.23
pH, 2:1 CaCl2 Extraction	*	-	7.89	7.92	7.59	7.55	-	-	7.67

See Notes for Analytical Tables included at the beginning of this Section

Table 4 - Metals & ORPs in Soil

Parameter	Borehole ID / Sample ID	BH22-3	BH22-4		BH22-5			BH22-5A	BH23-1	BH23-2
		S1B	S1A	HA1	S1A	GS22-2	HA1	S1B	S1A	S1A
Date of Collection	Table 1 RPIICC	20-Jul-22	22-Jul-22	16-Aug-23	20-Jul-22	17-Nov-22	16-Aug-23	11-Oct-23	11-Oct-23	11-Oct-23
Date Reported		11-Aug-22	4-Aug-22	24-Aug-23	11-Aug-22	2-Dec-22	24-Aug-23	20-Oct-23	20-Oct-23	20-Oct-23
Sampling Depth (mbgs)		0.8 - 1.5	0.0 - 0.8	0.0 - 0.8	0.0 - 0.8	0.0 - 0.6	0.0 - 0.8	0.8 - 1.5	0.0 - 0.8	0.0 - 0.8
Analytical Report Reference No.		C2K6969	C2K9862	C3O7731	C2K6969	C2X7983	C3O7731	C3V7405	C3V7405	C3V7405
Antimony	1.3	<0.20	0.21	0.3	0.24	<0.20	<0.20	-	<0.20	<0.20
Arsenic	18	3.4	4.4	7.7	8.6	4.4	4.6	-	3	4
Barium	220	110	11	32	69	130	14	-	57	71
Beryllium	2.5	0.7	<0.20	<0.20	0.54	0.64	<0.20	-	0.71	0.57
Boron	36	8.6	12	8.4	8.9	8.7	8.9	-	5.9	6.9
Boron (Hot Water Extractable)	NA	0.13	0.08	0.31	1.3	-	0.52	-	-	-
Cadmium	1.2	0.1	0.42	0.59	0.42	0.11	0.35	-	0.12	0.3
Chromium	70	23	12	12	19	24	4.2	-	18	18
Cobalt	21	12	7.5	3.8	7.8	11	1.7	-	8.8	8.5
Copper	92	27	18	14	26	26	6	-	17	22
Lead	120	10	38	27	37	9.4	10	-	11	16
Molybdenum	2	<0.50	2.4	0.91	0.78	<0.50	0.74	-	<0.50	0.64
Nickel	82	26	5	9.7	17	25	4.9	-	21	17
Selenium	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	-	<0.50	<0.50
Silver	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	-	<0.20	<0.20
Thallium	1	0.16	0.078	0.08	0.12	0.17	<0.050	-	0.096	0.1
Uranium	2.5	0.48	0.38	0.44	0.88	0.55	0.19	-	1	0.72
Vanadium	86	32	<5.0	11	24	33	<5.0	-	24	22
Zinc	290	60	110	83	120	60	63	-	70	64
Chromium, Hexavalent	0.66	<0.18	<0.18	<0.18	<0.18	-	<0.18	-	-	-
Cyanide, Free	0.051	<0.01	<0.01	-	<0.01	-	-	-	-	-
Mercury	0.27	<0.050	0.082	2.3	0.73	<0.050	0.13	<0.050	<0.050	0.55
Methyl Mercury	0.0094*	-	-	0.00305	-	-	-	-	-	-
Electrical Conductivity (2:1)	0.57	0.19	0.19	-	0.32	-	-	-	-	-
Sodium Adsorption Ratio	2.4	0.27	0.25	-	0.24	-	-	-	-	-
pH, 2:1 CaCl2 Extraction	*	7.79	7.87	-	7.24	-	-	-	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 4 - Metals & ORPs in Soil

Parameter	Borehole ID / Sample ID	BH23-3 / S1A
Date of Collection	Table 1 RPIICC	11-Oct-23
Date Reported		20-Oct-23
Sampling Depth (mbgs)		0.0 - 0.8
Analytical Report Reference No.		C3V7405
Antimony	1.3	<0.20
Arsenic	18	6
Barium	220	58
Beryllium	2.5	0.52
Boron	36	9.8
Boron (Hot Water Extractable)	NA	-
Cadmium	1.2	<0.10
Chromium	70	16
Cobalt	21	9.7
Copper	92	26
Lead	120	10
Molybdenum	2	0.52
Nickel	82	20
Selenium	1.5	<0.50
Silver	0.5	<0.20
Thallium	1	0.084
Uranium	2.5	0.57
Vanadium	86	23
Zinc	290	54
Chromium, Hexavalent	0.66	-
Cyanide, Free	0.051	-
Mercury	0.27	<0.050
Methyl Mercury	0.0094*	-
Electrical Conductivity (2:1)	0.57	-
Sodium Adsorption Ratio	2.4	-
pH, 2:1 CaCl2 Extraction	*	-

See Notes for Analytical Tables included at the beginning of this Section

Table 5 - PHCs & BTEX in Soil

Parameter	Borehole ID / Sample ID	BH18-1		BH18-2	BH18-3	BH18-3B		BH18-4
		SA7	DUP 1	SA5	SA6	S4A	S4B	SA3A
Date of Collection	Table 1 RPIICC	27-Aug-18		27-Aug-18	28-Aug-18	19-Dec-23	19-Dec-23	28-Aug-18
Date Reported		6-Sep-18		6-Sep-18	6-Sep-18	28-Dec-23	28-Dec-23	6-Sep-18
Sampling Depth (mbgs)		4.6 - 6.1		3.1 - 3.7	4.6 - 5.3	4.6 - 5.3	5.3 - 6.1	3.1 - 3.7
Analytical Report Reference No.		B8M3562		B8M3562	B8M3562	C3BN517	C3BN517	B8M3562
Benzene	0.02	-	-	-	<0.020	<0.020	<0.020	<0.020
Toluene	0.2	-	-	-	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	0.05	-	-	-	<0.020	<0.020	<0.020	<0.020
Total Xylenes	0.05	-	-	-	<0.020	<0.040	<0.040	<0.020
F1 (C6 to C10) minus BTEX	25	<10	<10	<10	<10	<10	<10	<10
F2 (C10 to C16)	10	<10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	240	<50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	120	<50	<50	<50	61	<50	<50	<50
F4 Gravimetric	120	-	-	-	160	-	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 5 - PHCs & BTEX in Soil

Parameter	Borehole ID / Sample ID	BH18-5	BH18-6	BH22-1		BH22-2		
		SA3A	SA2B	S1B	S4A	S1B	S22-3	S3A
Date of Collection	Table 1 RPIICC	28-Aug-18	28-Aug-18	20-Jul-22	20-Jul-22	20-Jul-22		20-Jul-22
Date Reported		6-Sep-18	6-Sep-18	11-Aug-22	11-Aug-22	11-Aug-22		11-Aug-22
Sampling Depth (mbgs)		3.1 - 3.4	2.3 - 3.1	0.8 - 1.5	4.6 - 5.3	0.8 - 1.5		3.0 - 3.8
Analytical Report Reference No.		B8M3562	B8M3562	C2K6969	C2K6969	C2K6969		C2K6969
Benzene	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Toluene	0.2	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	0.05	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Xylenes	0.05	<0.020	<0.020	<0.040	<0.040	<0.040	<0.040	<0.040
F1 (C6 to C10) minus BTEX	25	<10	<10	<10	<10	<10	<10	<10
F2 (C10 to C16)	10	<10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	240	<50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	120	<50	<50	<50	<50	<50	<50	89
F4 Gravimetric	120	-	-	-	-	-	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 5 - PHCs & BTEX in Soil

Parameter	Borehole ID / Sample ID	BH22-3		BH22-4		BH22-5		GS22-1	GS22-2
		S1A	S3A	1B	2B	S1B	S3A	GS22-1	GS22-2
Date of Collection	Table 1 RPIICC	20-Jul-22	20-Jul-22	22-Jul-22	22-Jul-22	20-Jul-22	20-Jul-22	20-Jul-22	17-Nov-22
Date Reported		11-Aug-22	11-Aug-22	4-Aug-22	4-Aug-22	11-Aug-22	11-Aug-22	11-Aug-22	2-Dec-22
Sampling Depth (mbgs)		0.0 - 0.8	3.0 - 3.8	0.8 - 1.5	2.3 - 3.0	0.8 - 1.5	3.0 - 3.8	0.0 - 0.5	0.0 - 0.6
Analytical Report Reference No.		C2K6969	C2K6969	C2K9862	C2K9862	C2K6969	C2K6969	C2K6969	C2X7983
Benzene	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Toluene	0.2	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Ethylbenzene	0.05	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Total Xylenes	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
F1 (C6 to C10) minus BTEX	25	<10	<10	<10	<10	<10	<10	<10	<10
F2 (C10 to C16)	10	<10	<10	<10	<10	<10	<10	<10	<10
F3 (C16 to C34)	240	<50	<50	<50	<50	<50	<50	<50	<50
F4 (C34 to C50)	120	<50	<50	<50	<50	<50	<50	55	<50
F4 Gravimetric	120	-	-	-	-	-	-	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 5 - PHCs & BTEX in Soil

Parameter	Borehole ID / Sample ID	BH23-4 S4A	BH23-5 S4A	BH23-6 S4A
Date of Collection	Table 1 RPIICC	19-Dec-23	19-Dec-23	19-Dec-23
Date Reported		28-Dec-23	28-Dec-23	28-Dec-23
Sampling Depth (mbgs)		4.6 - 5.3	4.6 - 5.3	4.6 - 5.3
Analytical Report Reference No.		C3BN517	C3BN517	C3BN517
Benzene	0.02	<0.020	<0.020	<0.020
Toluene	0.2	<0.020	<0.020	<0.020
Ethylbenzene	0.05	<0.020	<0.020	<0.020
Total Xylenes	0.05	<0.040	<0.040	<0.040
F1 (C6 to C10) minus BTEX	25	<10	<10	<10
F2 (C10 to C16)	10	<10	<10	<10
F3 (C16 to C34)	240	<50	55	<50
F4 (C34 to C50)	120	<50	<50	<50
F4 Gravimetric	120	-	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 6 - VOCs in Soil

Parameter	Borehole ID / Sample ID	BH18-1		BH18-2	BH22-1
		SA7	DUP 1	SA5	S4B
Date of Collection	Table 1 RPIICC	27-Aug-18		27-Aug-18	20-Jul-22
Date Reported		6-Sep-18		6-Sep-18	11-Aug-22
Sampling Depth (mbgs)		4.6 - 6.1		3.1 - 3.7	5.3 - 6.1
Analytical Report Reference No.		B8M3562		B8M3562	C2K6969
Acetone	0.5	<0.50	<0.50	<0.50	<0.49
Benzene	0.02	<0.020	<0.020	<0.020	<0.0060
Bromodichloromethane	0.05	<0.050	<0.050	<0.050	<0.040
Bromoform	0.05	<0.050	<0.050	<0.050	<0.040
Bromomethane	0.05	<0.050	<0.050	<0.050	<0.040
Carbon Tetrachloride	0.05	<0.050	<0.050	<0.050	<0.040
Chlorobenzene	0.05	<0.050	<0.050	<0.050	<0.040
Chloroform	0.05	<0.050	<0.050	<0.050	<0.040
Dibromochloromethane	0.05	<0.050	<0.050	<0.050	<0.040
Dichlorobenzene, 1,2-	0.05	<0.050	<0.050	<0.050	<0.040
Dichlorobenzene, 1,3-	0.05	<0.050	<0.050	<0.050	<0.040
Dichlorobenzene, 1,4-	0.05	<0.050	<0.050	<0.050	<0.040
Dichlorodifluoromethane	0.05	<0.050	<0.050	<0.050	<0.040
Dichloroethane, 1,1-	0.05	<0.050	<0.050	<0.050	<0.040
Dichloroethane, 1,2-	0.05	<0.050	<0.050	<0.050	<0.049
Dichloroethylene, 1,1-	0.05	<0.050	<0.050	<0.050	<0.040
Dichloroethylene, Cis- 1,2-	0.05	<0.050	<0.050	<0.050	<0.040
Dichloroethylene, Trans- 1,2-	0.05	<0.050	<0.050	<0.050	<0.040
Dichloropropane, 1,2-	0.05	<0.050	<0.050	<0.050	<0.040
Dichloropropene, 1,3- (cis + trans)	0.05	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	0.05	<0.020	<0.020	<0.020	<0.010
Ethylene Dibromide	0.05	<0.050	<0.050	<0.050	<0.040
Hexane, n-	0.05	<0.050	<0.050	<0.050	<0.040
Methyl Ethyl Ketone	0.5	<0.50	<0.50	<0.50	<0.40
Methyl Isobutyl Ketone	0.5	<0.50	<0.50	<0.50	<0.40
Methyl tert-butyl Ether	0.05	<0.050	<0.050	<0.050	<0.040
Methylene Chloride	0.05	<0.050	<0.050	<0.050	<0.049
Styrene	0.05	<0.050	<0.050	<0.050	<0.040
Tetrachloroethane, 1,1,1,2-	0.05	<0.050	<0.050	<0.050	<0.040
Tetrachloroethane, 1,1,2,2-	0.05	<0.050	<0.050	<0.050	<0.040
Tetrachloroethylene	0.05	<0.050	<0.050	<0.050	<0.040
Toluene	0.2	<0.020	<0.020	<0.020	<0.020
Trichloroethane, 1,1,1-	0.05	<0.050	<0.050	<0.050	<0.040
Trichloroethane, 1,1,2-	0.05	<0.050	<0.050	<0.050	<0.040
Trichloroethylene	0.05	<0.050	<0.050	<0.050	<0.010
Trichlorofluoromethane	0.25	<0.050	<0.050	<0.050	<0.040
Vinyl Chloride	0.02	<0.020	<0.020	<0.020	<0.019
Xylene mixture	0.05	<0.020	<0.020	<0.020	<0.020

See Notes for Analytical Tables included at the beginning of this Section

Table 6 - VOCs in Soil

Parameter	Borehole ID / Sample ID	BH22-1 S22-2	BH22-2 S4B	BH22-3 S4B	BH22-4 3A	BH22-5 S4B	Trip Blank -	Field Blank -
Date of Collection	Table 1 RPIICC	20-Jul-22	20-Jul-22	20-Jul-22	22-Jul-22	20-Jul-22	20-Jul-22	22-Jul-22
Date Reported		11-Aug-22	11-Aug-22	11-Aug-22	4-Aug-22	11-Aug-22	11-Aug-22	4-Aug-22
Sampling Depth (mbgs)		5.3 - 6.1	5.3 - 6.1	5.3 - 6.1	3.0 - 3.8	5.3 - 6.1	-	-
Analytical Report Reference No.		C2K6969	C2K6969	C2K6969	C2K9862	C2K6969	C2K6969	C2K9862
Acetone	0.5	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
Benzene	0.02	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Bromodichloromethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromoform	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Bromomethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Carbon Tetrachloride	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chlorobenzene	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Chloroform	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dibromochloromethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichlorobenzene, 1,2-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichlorobenzene, 1,3-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichlorobenzene, 1,4-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichlorodifluoromethane	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichloroethane, 1,1-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichloroethane, 1,2-	0.05	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
Dichloroethylene, 1,1-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichloroethylene, Cis- 1,2-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichloroethylene, Trans- 1,2-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichloropropane, 1,2-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Dichloropropene, 1,3- (cis + trans)	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	0.05	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Ethylene Dibromide	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Hexane, n-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Methyl Ethyl Ketone	0.5	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methyl Isobutyl Ketone	0.5	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Methyl tert-butyl Ether	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Methylene Chloride	0.05	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049
Styrene	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Tetrachloroethane, 1,1,1,2-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Tetrachloroethane, 1,1,2,2-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Tetrachloroethylene	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Toluene	0.2	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Trichloroethane, 1,1,1-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trichloroethane, 1,1,2-	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Trichloroethylene	0.05	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Trichlorofluoromethane	0.25	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Vinyl Chloride	0.02	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019
Xylene mixture	0.05	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020

See Notes for Analytical Tables included at the beginning of this Section

Table 7 - PAHs in Soil

Parameter	Borehole ID / Sample ID	BH18-9 / SA1C	BH22-1 / S1B	BH22-2 / S1B	BH22-3 / S1A	BH22-3 / S22-4	BH22-4 / S1A	BH22-5 / S1B	GS22-1 / GS22-1	MW18-3B / S4A
Date of Collection	Table 1 RPIICC	28-Aug-18	20-Jul-22	20-Jul-22	20-Jul-22	20-Jul-22	22-Jul-22	20-Jul-22	20-Jul-22	19-Dec-23
Date Reported		6-Sep-18	11-Aug-22	11-Aug-22	11-Aug-22	11-Aug-22	4-Aug-22	11-Aug-22	11-Aug-22	28-Dec-23
Sampling Depth (mbgs)		0.9 - 1.5	0.8 - 1.5	0.8 - 1.5	0.0 - 0.8	0.8 - 1.5	0.0 - 0.8	0.8 - 1.5	0.0 - 0.5	4.6 - 5.1
Analytical Report Reference No.		B8M3562	C2K6969	C2K6969	C2K6969	C2K6969	C2K9862	C2K6969	C2K6969	C3BN517
Acenaphthene	0.072	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Acenaphthylene	0.093	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Anthracene	0.16	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Benz(a)anthracene	0.36	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0099	<0.0050
Benzo(a)pyrene	0.3	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.013	<0.0050
Benzo(b)fluoranthene	0.47	<0.0050	<0.0050	<0.0050	<0.0050	0.0057	<0.0050	<0.0050	0.019	<0.0050
Benzo(g,h,i)perylene	0.68	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.013	<0.0050
Benzo(k)fluoranthene	0.48	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0059	<0.0050
Fluoranthene	0.56	<0.0050	<0.0050	<0.0050	<0.0050	0.0067	<0.0050	<0.0050	0.019	<0.0050
Fluorene	0.12	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chrysene	2.8	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.011	<0.0050
Dibenz(a,h)anthracene	0.1	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Indeno(1,2,3-cd)pyrene	0.23	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.01	<0.0050
Methylnaphthalene, 2-(1-)	0.59	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071
Naphthalene	0.09	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Phenanthrene	0.69	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0056	0.0051
Pyrene	1	<0.0050	<0.0050	<0.0050	<0.0050	0.0055	<0.0050	<0.0050	0.017	<0.0050

See Notes for Analytical Tables included at the beginning of this Section

Notes:

* RDLs adjusted due to sample matrix

Table 8 - PCBs & OCs in Soil

Parameter	Borehole ID / Sample ID	BH18-3*	BH22-1			HA22-1A	HA22-1B
		SA6	S1A*	S1B	HA1	S1*	S1*
Date of Collection	Table 1 RPIICC	27-Aug-18	20-Jul-22	20-Jul-22	16-Aug-23	29-Sep-22	29-Sep-22
Date Reported		6-Sep-18	11-Aug-22	11-Aug-22	24-Aug-23	13-Oct-22	13-Oct-22
Sampling Depth (m bgs)		4.6 - 5.3	0.0 - 0.8	0.8 - 1.5	0.0 - 0.8	0.0 - 0.5	0.0 - 0.5
Analytical Report Reference No.		B8M3562	C2K6969	C2K6969	C3O7731	C2S2270	C2S2270
Polychlorinated Biphenyls	0.3	<0.075	<0.15	<0.015	<0.015	<0.35	<0.35
Aldrin	0.05	<0.010	<0.0020	<0.0020	<0.0020	<0.020	<0.0020
Chlordane	0.05	<0.010	0.11	<0.0020	<0.015	0.32	0.58
DDD	0.05	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
DDE	0.05	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
DDT	1.4	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Dieldrin	0.05	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan	0.04	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endrin	0.04	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor	0.05	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor Epoxide	0.05	<0.010	0.0068	<0.0020	<0.0020	0.011	0.049
Hexachlorobenzene	0.01	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	0.01	<0.010	<0.0020	<0.0020	<0.0020	<0.010	<0.010
Hexachlorocyclohexane Gamma-	0.01	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachloroethane	0.01	<0.010	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methoxychlor	0.05	<0.025	<0.0050	<0.0050	<0.0050	<0.050	<0.050

See Notes for Analytical Tables included at the beginning of this Section

Notes:

RDLs for OCs adjusted due to sample matrix	*	0.002	0.11	0.0020

Table 8 - PCBs & OCs in Soil

Parameter	Borehole ID / Sample ID	HA22-1C	HA22-1D		BH22-A1	BH22-B1	BH22-C1
		S1*	S1*	S23-6*	S1A	S1A	S1A
Date of Collection	Table 1 RPIICC	29-Sep-22	29-Sep-22		28-Nov-22	28-Nov-22	28-Nov-22
Date Reported		13-Oct-22	13-Oct-22		1-Dec-22	1-Dec-22	1-Dec-22
Sampling Depth (m bgs)		0.0 - 0.5	0.0 - 0.5		0.6 - 1.2	0.3 - 0.9	0.3 - 1.2
Analytical Report Reference No.		C2S2270	C2S2270		C2Y8645	C2Y8645	C2Y8645
Polychlorinated Biphenyls	0.3	<0.35	<0.35	<0.35	<0.015	<0.015	<0.015
Aldrin	0.05	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Chlordane	0.05	0.36	0.31	0.52	<0.0020	<0.0020	<0.0020
DDD	0.05	<0.0020	<0.030	<0.0020	<0.0020	<0.0020	<0.0020
DDE	0.05	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
DDT	1.4	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Dieldrin	0.05	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan	0.04	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Endrin	0.04	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor	0.05	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor Epoxide	0.05	0.068	0.047	0.061	<0.0020	<0.0020	<0.0020
Hexachlorobenzene	0.01	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	0.01	<0.010	<0.010	<0.010	<0.0020	<0.0020	<0.0020
Hexachlorocyclohexane Gamma-	0.01	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachloroethane	0.01	<0.0020	<0.020	<0.0020	<0.0020	<0.0020	<0.0020
Methoxychlor	0.05	<0.050	<0.050	<0.050	<0.0050	<0.0050	<0.0050

See Notes for Analytical Tables included at the beginning of this Section

Notes:

RDLs for OCs adjusted due to sample matrix	*

Table 8 - PCBs & OCs in Soil

Parameter	Borehole ID / Sample ID	BH22-D1		BH22-A1	BH22-B1	BH22-C1	BH22-D1
		S1A	S22-5	S1A	S1A	S1A	S1A
Date of Collection	Table 1 RPIICC	28-Nov-22		28-Nov-22	28-Nov-22	28-Nov-22	28-Nov-22
Date Reported		1-Dec-22		1-Dec-22	1-Dec-22	1-Dec-22	1-Dec-22
Sampling Depth (m bgs)		0.3 - 1.2		0.6 - 1.2	0.3 - 0.9	0.3 - 1.2	0.3 - 1.2
Analytical Report Reference No.		C2Y8645		C2Y8645	C2Y8645	C2Y8645	C2Y8645
Polychlorinated Biphenyls	0.3	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Aldrin	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chlordane	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
DDD	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
DDE	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
DDT	1.4	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Dieldrin	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endosulfan	0.04	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Endrin	0.04	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Heptachlor Epoxide	0.05	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobenzene	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorobutadiene	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachlorocyclohexane Gamma-	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Hexachloroethane	0.01	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Methoxychlor	0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

See Notes for Analytical Tables included at the beginning of this Section

Notes:

RDLs for OCs adjusted due to sample matrix	*

Table 8 - PCBs & OCs in Soil

Parameter	Borehole ID / Sample ID	BH22-D1 / S22-5	BH22-2 / S1A	BH22-3 / S1B	BH22-5 / S1A	GS22-1 / GS22-1	GS22-2 / GS22-2
Date of Collection	Table 1 RPIICC	28-Nov-22	20-Jul-22	20-Jul-22	20-Jul-22	20-Jul-22	17-Nov-22
Date Reported		1-Dec-22	11-Aug-22	11-Aug-22	11-Aug-22	11-Aug-22	2-Dec-22
Sampling Depth (m bgs)		0.3 - 1.2	0.0 - 0.8	0.8 - 1.5	0.0 - 0.8	0.0 - 0.5	0.0 - 0.6
Analytical Report Reference No.		C2Y8645	C2K6969	C2K6969	C2K6969	C2K6969	C2X7983
Polychlorinated Biphenyls	0.3	<0.015	<0.015	<0.015	<0.038	<0.020	<0.015
Aldrin	0.05	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Chlordane	0.05	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
DDD	0.05	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
DDE	0.05	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
DDT	1.4	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Dieldrin	0.05	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Endosulfan	0.04	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Endrin	0.04	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Heptachlor	0.05	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Heptachlor Epoxide	0.05	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Hexachlorobenzene	0.01	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Hexachlorobutadiene	0.01	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Hexachlorocyclohexane Gamma-	0.01	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Hexachloroethane	0.01	<0.0020	<0.0020	<0.0020	<0.0050	-	<0.0020
Methoxychlor	0.05	<0.0050	<0.0050	<0.0050	<0.013	-	<0.0050

See Notes for Analytical Tables included at the beginning of this Section

Notes:

RDLs for OCs adjusted due to sample matrix	*

Table 9 - Metals & ORPs in Groundwater

Parameter	Well ID	MW18-1	GW22-1	MW18-1			MW18-1A	GW23-1	MW18-1A	MW18-1A	GW23-2
Date of Collection	Table 1 GW	26-Jul-22		31-Aug-22	14-Sep-22	28-Nov-22	16-Oct-23		26-Oct-23	28-Dec-23	
Date Reported		4-Aug-22		12-Sep-22	21-Sep-22	2-Dec-22	20-Oct-23		11-02-2023	8-Jan-24	
Screened Depth (mbgs)		3.0 - 6.1		3.0 - 6.1			3.0 - 6.1				
Analytical Report Reference No.		C2K9855		C2O9442	C2Q4946	C2Y8674	C3W1067		C3X5578	C3BT934	
Antimony	1.5	0.69	0.66	<0.50	0.7	0.57	<0.50	<0.50	<0.50	<0.50	<0.50
Arsenic	13	1.3	1.2	3	4.3	3.3	5.3	6.5	3.6	1.2	<1.0
Barium	610	35	36	45	87	43	65	67	52	55	57
Beryllium	0.5	<0.40	<0.40	<0.40	0.48	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Boron	1700	710	730	860	800	920	480	480	450	640	650
Cadmium	0.5	<0.090	<0.090	<0.090	0.12	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Chromium	11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chromium VI	25	<0.50	<0.50	-	-	-	<0.50	<0.50	-	-	-
Cobalt	3.8	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Copper	5	<0.90	<0.90	1.2	8.2	<0.90	0.94	<0.90	<0.90	<0.90	0.98
Cyanide	5	<1	<1	-	-	-	<1	<1	-	-	-
Lead	1.9	<0.50	<0.50	<0.50	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Mercury	0.1	<0.10	<0.10	-	-	-	<0.10	<0.10	-	-	-
Molybdenum	23	97	100	52	59	82	6	6.1	6.2	15	16
Nickel	14	2.1	2.2	<1.0	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Selenium	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Silver	0.3	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Thallium	0.5	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Uranium	8.9	1.5	1.5	1.9	2.2	2.5	0.79	0.73	1.0	2.0	2.1
Vanadium	3.9	1.7	1.8	1.1	3.6	0.83	0.59	0.61	0.71	0.83	0.7
Zinc	160	<5.0	<5.0	<5.0	21	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Sodium	490000	170000	180000	220000	180000	180000	56000	56000	53000	87000	88000
Chloride	790000	150000	150000	-	-	-	62000	61000	-	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 9 - Metals & ORPs in Groundwater

Parameter	Well ID	MW18-1B	MW18-1B	MW18-1B-22	MW18-1B-45	MW18-4	GW22-2	MW18-5	BH22-1	BH22-3	BH22-5
Date of Collection	Table 1 GW	16-Oct-23	26-Oct-23	28-Dec-23	28-Dec-23	26-Jul-22	26-Jul-22	26-Jul-22	10-Aug-22	26-Jul-22	10-Aug-22
Date Reported		20-Oct-23	11-02-2023	8-Jan-24	8-Jan-24	4-Aug-22	4-Aug-22	4-Aug-22	18-Aug-22	4-Aug-22	18-Aug-22
Screened Depth (mbgs)		10.6 - 12.1				3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1
Analytical Report Reference No.		C3W1067	C3X5578	C3BT934	C3BT934	C2K9855	C2K9855	C2K9855	C2M5557	C2K9855	C2M5557
Antimony	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	<0.50	1.3
Arsenic	13	1.6	2.8	1.2	1.3	<1.0	<1.0	<1.0	<1.0	1.6	1.1
Barium	610	48	37	32	33	41	43	58	180	270	60
Beryllium	0.5	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Boron	1700	2100	2100	2100	2100	57	54	170	97	62	440
Cadmium	0.5	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Chromium	11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chromium VI	25	<0.50	-	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Cobalt	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Copper	5	<0.90	1.7	1.2	<0.090	1.2	1.3	4.4	1.4	3.8	6.8
Cyanide	5	<1	-	-	-	<1	<1	<1	<1	<1	<1
Lead	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Mercury	0.1	<0.10	-	-	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Molybdenum	23	30	28	32	32	1.1	1	3.1	17	5.2	30
Nickel	14	<1.0	19	<1.0	<1.0	1.4	1.3	1.6	<1.0	1.6	1.5
Selenium	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.2
Silver	0.3	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Thallium	0.5	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.052
Uranium	8.9	0.83	<0.10	0.55	0.52	4.5	4.6	1.3	3.3	4.7	4.4
Vanadium	3.9	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	1.1	0.83
Zinc	160	<5.0	8.2	13	13	<5.0	<5.0	<5.0	<5.0	<5.0	5.6
Sodium	490000	650000	630000	610000	610000	27000	27000	59000	27000	24000	81000
Chloride	790000	1400000	-	-	-	58000	57000	100000	190000	46000	130000

See Notes for Analytical Tables included at the beginning of this Section

Table 9 - Metals & ORPs in Groundwater

Parameter	Well ID	BH23-1			BH23-2		BH23-3	BH23-6	BH23-7	BH23-8
Date of Collection	Table 1 GW	16-Oct-23	26-Oct-23	28-Dec-23	26-Oct-23	28-Dec-23	16-Oct-23	28-Dec-23	28-Dec-23	28-Dec-23
Date Reported		20-Oct-23	11-02-2023	8-Jan-23	11-02-2023	8-Jan-23	20-Oct-23	8-Jan-24	8-Jan-24	8-Jan-24
Screened Depth (mbgs)		3.0 - 6.1			3.0 - 6.1		3.0 - 6.1	3.1 - 6.1	3.1 - 6.1	3.1 - 6.1
Analytical Report Reference No.		C3W1067	C3X5578	C3BT934	C3X5578	C3BT934	C3W1067	C3BT934	C3BT934	C3BT934
Antimony	1.5	1.8	<0.50	<0.50	1.1	0.61	<0.50	0.52	1.3	0.5
Arsenic	13	5.9	2.8	4.7	1.6	<1.0	8.7	2.5	1	5.3
Barium	610	47	44	41	110	37	45	83	75	38
Beryllium	0.5	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Boron	1700	390	370	450	660	910	670	270	560	300
Cadmium	0.5	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Chromium	11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chromium VI	25	<0.50	-	-	-	-	<0.50	-	-	-
Cobalt	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Copper	5	<0.90	<0.90	1.8	<0.90	1.9	<0.90	2	1.6	1.5
Cyanide	5	<1	-	-	-	-	<1	-	-	-
Lead	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Mercury	0.1	<0.10	-	-	-	-	<0.10	-	-	-
Molybdenum	23	29	12	19	100	29	5.5	6.8	31	9.7
Nickel	14	<1.0	<1.0	<1.0	2.5	<1.0	<1.0	3.2	2.7	<1.0
Selenium	5	<2.0	<2.0	<2.0	3.6	3.5	<2.0	<2.0	<2.0	<2.0
Silver	0.3	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090
Thallium	0.5	<0.050	<0.050	<0.050	0.089	0.067	<0.050	<0.050	<0.050	<0.050
Uranium	8.9	4.6	2.3	3.4	9.5	7.7	0.59	3.5	2.3	1.3
Vanadium	3.9	<0.50	<0.50	<0.50	0.57	0.68	<0.50	1.1	0.61	<0.50
Zinc	160	<5.0	<5.0	<5.0	96	<5.0	<5.0	<5.0	<5.0	<5.0
Sodium	490000	81000	65000	110000	320000	250000	88000	43000	180000	46000
Chloride	790000	43000	-	-	-	-	120000	-	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 10 - PHCs & BTEX in Groundwater

Parameter	Well ID	MW18-1	MW-18-1	GW22-1	MW18-2	DUP-1	MW18-3	MW18-4
Date of Collection	Table 1 GW	4-Sep-18	26-Jul-22		4-Sep-18		4-Sep-18	4-Sep-18
Date Reported		11-Sep-18	4-Aug-22		11-Sep-18		11-Sep-18	11-Sep-18
Screened Depth (mbgs)		3.0 - 6.1	3.0 - 6.1		3.0 - 6.1		3.0 - 6.1	3.0 - 6.1
Analytical Report Reference No.		B8M9934	C2K9855		B8M9934		B8M9934	B8M9934
Benzene	0.5	<0.20	<0.17	<0.17	<0.20	<0.20	<0.20	<0.20
Toluene	0.8	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	0.24	<0.20
Xylene Mixture	72	<0.40	<0.20	<0.20	<0.40	<0.40	<0.20	<0.40
F1 (C6 to C10) minus BTEX	420	<25	<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	150	<100	<100	<100	<100	<100	<100	<100
F3 (C16 to C34)	500	<200	<200	<200	<200	<200	<200	<200
F4 (C34 to C50)	500	<200	<200	<200	<200	<200	<200	<200

See Notes for Analytical Tables included at the beginning of this Section

Table 10 - PHCs & BTEX in Groundwater

Parameter	Well ID	MW18-4	GW22-2	MW18-5		MW18-6	BH22-1	BH22-3	BH22-5	Trip Blank	Trip Blank
Date of Collection	Table 1 GW	26-Jul-22		07-Sep-18	26-Jul-22	4-Sep-18	10-Aug-22	26-Jul-22	10-Aug-22	4-Sep-18	10-Aug-22
Date Reported		4-Aug-22		11-Sep-18	4-Aug-22	11-Sep-18	18-Aug-22	4-Aug-22	18-Aug-22	11-Sep-18	18-Aug-22
Screened Depth (mbgs)		3.0 - 6.1		3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	-	-
Analytical Report Reference No.		C2K9855		B8N2531	C2K9855	B8M9934	C2M5557	C2K9855	C2M5557	B8M9934	C2M5557
Benzene	0.5	<0.17	<0.17	<0.20	0.18	<0.20	<0.17	<0.17	<0.17	<0.20	<0.17
Toluene	0.8	<0.20	<0.20	<0.20	0.24	0.28	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene Mixture	72	<0.20	<0.20	<0.40	<0.20	<0.40	<0.20	<0.20	<0.20	<0.40	<0.20
F1 (C6 to C10) minus BTEX	420	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
F2 (C10 to C16)	150	<100	<100	<100	<100	<100	<100	<100	<100	-	-
F3 (C16 to C34)	500	<200	<200	<200	<200	<200	290	<200	<200	-	-
F4 (C34 to C50)	500	<200	<200	<200	<200	<200	<200	<200	<200	-	-

See Notes for Analytical Tables included at the beginning of this Section

Table 11 - VOCs in Groundwater

Parameter	Well ID	MW18-1	GW22-1	MW18-4	GW22-2
Date of Collection	Table 1 GW	26-Jul-22		26-Jul-22	
Date Reported		4-Aug-22		4-Aug-22	
Screened Depth (mbgs)		3.0 - 6.1		3.0 - 6.1	
Analytical Report Reference No.		C2K9855		C2K9855	
Acetone	2700	<10	<10	<10	<10
Benzene	0.5	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	2	<0.50	<0.50	<0.50	<0.50
Bromoform	5	<1.0	<1.0	<1.0	<1.0
Bromomethane	0.89	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	0.2	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	0.5	<0.20	<0.20	<0.20	<0.20
Chloroform	2	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	2	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,2-	0.5	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,3-	0.5	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,4-	0.5	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	590	<1.0	<1.0	<1.0	<1.0
Dichloroethane, 1,1-	0.5	<0.20	<0.20	<0.20	<0.20
Dichloroethane, 1,2-	0.5	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, 1,1-	0.5	<0.20	<0.20	<0.20	<0.20
Dichloroethylene, cis- 1,2-	1.6	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, trans- 1,2-	1.6	<0.50	<0.50	<0.50	<0.50
Dichloropropane, 1,2-	0.5	<0.20	<0.20	<0.20	<0.20
Dichloropropene, 1,3-	0.5	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	0.5	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide	0.2	<0.20	<0.20	<0.20	<0.20
Hexane, n-	5	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone	400	<10	<10	<10	<10
Methyl Isobutyl Ketone	640	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	15	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0
Styrene	0.5	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,1,2-	1.1	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,2,2-	0.5	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	0.5	<0.20	<0.20	<0.20	<0.20
Toluene	0.8	<0.20	<0.20	<0.20	<0.20
Trichloroethane, 1,1,1-	0.5	<0.20	<0.20	<0.20	<0.20
Trichloroethane, 1,1,2-	0.5	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	0.5	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	150	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	0.5	<0.20	<0.20	<0.20	<0.20
Xylene Mixture	72	<0.20	<0.20	<0.20	<0.20

See Notes for Analytical Tables included at the beginning of this Section

Table 11 - VOCs in Groundwater

Parameter	Well ID	GW18-5	BH22-1	BH22-3	BH22-5	Trip Blank	
Date of Collection	Table 1 GW	26-Jul-22	10-Aug-22	26-Jul-22	10-Aug-22	26-Jul-22	10-Aug-22
Date Reported		4-Aug-22	18-Aug-22	4-Aug-22	18-Aug-22	4-Aug-22	18-Aug-22
Screened Depth (mbgs)		3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1	3.0 - 6.1
Analytical Report Reference No.		C2K9855	C2M5557	C2K9855	C2M5557	C2K9855	C2M5557
Acetone	2700	<10	49	<10	<10	<10	<10
Benzene	0.5	0.18	<0.17	<0.17	<0.17	<0.20	<0.17
Bromodichloromethane	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromomethane	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	0.2	<0.20	<0.20	<0.20	<0.20	<0.19	<0.20
Chlorobenzene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	2	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromochloromethane	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,2-	0.5	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50
Dichlorobenzene, 1,3-	0.5	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50
Dichlorobenzene, 1,4-	0.5	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50
Dichlorodifluoromethane	590	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloroethane, 1,1-	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichloroethane, 1,2-	0.5	<0.50	<0.50	<0.50	<0.50	<0.49	<0.50
Dichloroethylene, 1,1-	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichloroethylene, cis- 1,2-	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, trans- 1,2-	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloropropane, 1,2-	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichloropropene, 1,3-	0.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Ethylbenzene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylene Dibromide	0.2	<0.20	<0.20	<0.20	<0.20	<0.19	<0.20
Hexane, n-	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone	400	<10	48	<10	<10	<10	<10
Methyl Isobutyl Ketone	640	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methylene Chloride	5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Styrene	0.5	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50
Tetrachloroethane, 1,1,1,2-	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,2,2-	0.5	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50
Tetrachloroethylene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Toluene	0.8	0.24	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethane, 1,1,1-	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethane, 1,1,2-	0.5	<0.50	<0.50	<0.50	<0.50	<0.40	<0.50
Trichloroethylene	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichlorofluoromethane	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	0.5	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene Mixture	72	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

See Notes for Analytical Tables included at the beginning of this Section

Table 12 - PCBs & OCs in Groundwater

Parameter	Well ID	MW18-1	MW18-4	GW22-2	MW18-5
Date of Collection	Table 1 GW	4-Sep-18	26-Jul-22		26-Jul-22
Date Reported		11-Sep-18	4-Aug-22		4-Aug-22
Screened Depth (mbgs)		3.0 - 6.1	3.0 - 6.1		3.0 - 6.1
Analytical Report Reference No.		B8M9934	C2K9855		C2K9855
Polychlorinated Biphenyls	0.2	<0.05	<0.05	<0.05	<0.05
Aldrin	0.01	<0.005	<0.005	<0.005	<0.005
Chlordane	0.06	<0.005	<0.005	<0.005	<0.005
DDD	1.8	<0.005	<0.005	<0.005	<0.005
DDE	10	<0.005	<0.005	<0.005	<0.005
DDT	0.05	<0.005	<0.005	<0.005	<0.005
Dieldrin	0.05	<0.005	<0.005	<0.005	<0.005
Endosulfan	0.05	<0.005	<0.005	<0.005	<0.005
Endrin	0.05	<0.005	<0.005	<0.005	<0.005
Heptachlor	0.01	<0.005	<0.005	<0.005	<0.005
Heptachlor Epoxide	0.01	<0.005	<0.005	<0.005	<0.005
Hexachlorobenzene	0.01	<0.005	<0.005	<0.005	<0.005
Hexachlorobutadiene	0.01	<0.009	<0.009	<0.009	<0.009
Hexachlorocyclohexane Gamma-	0.01	-	<0.003	<0.003	<0.003
Hexachloroethane	0.01	<0.01	<0.01	<0.01	<0.01
Methoxychlor	0.05	<0.01	<0.01	<0.01	<0.01

See Notes for Analytical Tables included at the beginning of this Section

Table 13 - Summary of Maximum Concentrations in Soil

Group	Parameter	Table 1 RPIICC	Maximum Concentration	BH	Sample ID
Metals	Barium	220	130	BH22-5	GS22-2
	Beryllium	2.5	0.82	BH23-7	S1A
	Boron	36	13	BH18-9	SA1C
	Cadmium	1.2	0.59	BH22-4	HA1
	Chromium	70	24	BH22-5	GS22-2
	Cobalt	21	15	BH23-9	S1B
	Copper	92	35	BH18-3 & BH23-9	SA6 & S1B
	Lead	120	38	BH22-4	S1A
	Molybdenum	2	2.4	BH22-4	S1A
	Nickel	82	29	BH23-9	S1B
	Silver	0.5	<0.20	all	all
	Thallium	1	0.19	BH23-9	S1B
	Uranium	2.5	1.2	BH23-7	S1A
	Vanadium	86	33	BH22-5	GS22-2
	Zinc	290	120	BH22-5	S1A
As, Se, Sb	Antimony	1.3	0.3	BH22-4	HA1
	Arsenic	18	11	BH23-9	S1B
	Selenium	1.5	<0.50	all	all
ORPs	Chromium, Hexavalent	0.66	<0.2	all	all
	Cyanide, Free	0.051	<0.01	all	all
	Electrical Conductivity (2:1)	0.57	0.34	BH23-7	S1A
	Mercury	0.27	2.3	BH22-4	HA1
	Sodium Adsorption Ratio	2.4	1.1	BH23-7	S1A
	pH, 2:1 CaCl2 Extraction	*	7.92	BH18-9	SA1C
PHCs	F1 (C6 to C10) minus BTEX	25	<10	all	all
	F2 (C10 to C16)	10	<10	all	all
	F3 (C16 to C34)	240	55	BH23-5	S4A
	F4 (C34 to C50)	120	89	0	S3A
BTEX	Benzene	0.02	<0.020	all	all
	Ethylbenzene	0.05	<0.020	all	all
	Toluene	0.2	<0.020	all	all
	Total Xylenes	0.05	<0.020	all	all
VOCs	Acetone	0.5	<0.50	all	all
	Bromomethane	0.05	<0.050	all	all
	Carbon Tetrachloride	0.05	<0.050	all	all
	Chlorobenzene	0.05	<0.050	all	all
	Chloroform	0.05	<0.050	all	all
	Dichlorobenzene, 1,2-	0.05	<0.050	all	all
	Dichlorobenzene, 1,3-	0.05	<0.050	all	all
	Dichlorobenzene, 1,4-	0.05	<0.050	all	all
	Dichlorodifluoromethane	0.05	<0.050	all	all
	Dichloroethane, 1,1-	0.05	<0.050	all	all
	Dichloroethane, 1,2-	0.05	<0.050	all	all

Table 13 - Summary of Maximum Concentrations in Soil

Group	Parameter	Table 1 RPIICC	Maximum Concentration	BH	Sample ID
VOCs	Dichloroethylene, 1,1-	0.05	<0.050	all	all
	Dichloroethylene, Cis- 1,2-	0.05	<0.050	all	all
	Dichloroethylene, Trans- 1,2-	0.05	<0.050	all	all
	Dichloropropane, 1,2-	0.05	<0.050	all	all
	Dichloropropene, 1,3- (cis + trans)	0.05	<0.050	all	all
	Ethylene Dibromide	0.05	<0.050	all	all
	Hexane, n-	0.05	<0.050	all	all
	Methyl Ethyl Ketone	0.5	<0.50	all	all
	Methyl Isobutyl Ketone	0.5	<0.50	all	all
	Methyl tert-butyl Ether	0.05	<0.050	all	all
	Methylene Chloride	0.05	<0.050	all	all
	Styrene	0.05	<0.050	all	all
	Tetrachloroethane, 1,1,1,2-	0.05	<0.050	all	all
	Tetrachloroethane, 1,1,2,2-	0.05	<0.050	all	all
	Tetrachloroethylene	0.05	<0.050	all	all
	Trichloroethane, 1,1,1-	0.05	<0.050	all	all
	Trichloroethane, 1,1,2-	0.05	<0.050	all	all
	Trichloroethylene	0.05	<0.050	all	all
	Trichlorofluoromethane	0.25	<0.050	all	all
	Vinyl Chloride	0.02	<0.020	all	all
PAHs	Acenaphthene	0.072	<0.0050	all	all
	Acenaphthylene	0.093	<0.0050	all	all
	Anthracene	0.16	<0.0050	all	all
	Benz(a)anthracene	0.36	0.0099	GS22-1	GS22-1
	Benzo(a)pyrene	0.3	0.013	GS22-1	GS22-1
	Benzo(b)fluoranthene	0.47	0.019	GS22-1	GS22-1
	Benzo(g,h,i)perylene	0.68	0.013	GS22-1	GS22-1
	Benzo(k)fluoranthene	0.48	0.0059	GS22-1	GS22-1
	Chrysene	2.8	0.011	GS22-1	GS22-1
	Dibenz(a,h)anthracene	0.1	<0.0050	all	all
	Fluoranthene	0.56	0.019	GS22-1	GS22-1
	Fluorene	0.12	<0.0050	all	all
	Indeno(1,2,3-cd)pyrene	0.23	0.01	GS22-1	GS22-1
	Methylnaphthalene, 2-(1-)	0.59	<0.0071	all	all
	Naphthalene	0.09	<0.0050	all	all
	Phenanthrene	0.69	0.0056	GS22-1	GS22-1
	Pyrene	1	0.017	GS22-1	GS22-1
PCBs	Polychlorinated Biphenyls	0.3	<0.35	multiple	multiple
OCs	Aldrin	0.05	<0.02	multiple	multiple
	Chlordane	0.05	0.58	HA22-1B	S1*
	DDD	0.05	<0.03	HA22-1D	S1*
	DDE	0.05	<0.02	HA23	1A
	DDT	1.4	<0.02	HA22-1D	S1*
	Dieldrin	0.05	<0.02	HA22-1D	S1*
	Endosulfan	0.04	<0.02	HA22-1D	S1*
	Endrin	0.04	<0.02	HA22-1D	S1*
	Heptachlor	0.05	<0.02	HA22-1D	S1*
	Heptachlor Epoxide	0.05	0.068	HA22-1C	S1*
	Hexachlorobenzene	0.01	<0.02	HA22-1D	S1*
	Hexachlorobutadiene	0.01	<0.01	multiple	multiple
	Hexachlorocyclohexane Gamma-	0.01	<0.02	HA22-1D	S1*
	Hexachloroethane	0.01	<0.02	HA22-1D	S1*
	Methoxychlor	0.05	<0.05	multiple	multiple

See Notes for Analytical Tables included at the beginning of this Section

Table 14 - Summary of Maximum Concentrations in Groundwater

Group	Parameter	Table 1 GW	Maximum Concentration
Metals	Barium	610	270
	Beryllium	0.5	0.48
	Boron	1700	2100
	Cadmium	0.5	0.12
	Chromium	11	<0.50
	Cobalt	3.8	1.4
	Copper	5	8.2
	Lead	1.9	12
	Molybdenum	23	100
	Nickel	14	19
	Silver	0.3	<0.090
	Thallium	0.5	0.089
	Uranium	8.9	9.5
	Vanadium	3.9	3.6
	Zinc	160	96
As, Se, Sb	Antimony	1.5	1.8
	Arsenic	13	8.7
	Selenium	5	3.6
Na	Sodium	490000	650000
ORPs	Chloride	790000	1400000
	Chromium VI	25	<0.50
	Cyanide	5	<1
	Mercury	0.1	<0.10
PHCs	F1 (C6 to C10) minus BTEX	420	<25
	F2 (C10 to C16)	150	<100
	F3 (C16 to C34)	500	290
	F4 (C34 to C50)	500	<200
BTEX	Benzene	0.5	0.18
	Ethylbenzene	0.5	0.24
	Toluene	0.8	0.28
	Xylene Mixture	72	<0.40
	Acetone	2700	49
	Bromomethane	0.89	<0.50
	Carbon Tetrachloride	0.2	<0.20
	Chlorobenzene	0.5	<0.20
	Chloroform	2	<0.20
	Dichlorobenzene, 1,2-	0.5	<0.50
	Dichlorobenzene, 1,3-	0.5	<0.50
	Dichlorobenzene, 1,4-	0.5	<0.50
	Dichlorodifluoromethane	590	<1.0
	Dichloroethane, 1,1-	0.5	<0.20
	Dichloroethane, 1,2-	0.5	<0.50
	Dichloroethylene, 1,1-	0.5	<0.20

Table 14 - Summary of Maximum Concentrations in Groundwater

Group	Parameter	Table 1 GW	Maximum Concentration
VOCs	Dichloroethylene, cis- 1,2-	1.6	<0.50
	Dichloroethylene, trans- 1,2-	1.6	<0.50
	Dichloropropane, 1,2-	0.5	<0.20
	Dichloropropene, 1,3-	0.5	<0.50
	Ethylene Dibromide	0.2	<0.20
	Hexane, n-	5	<1.0
	Methyl Ethyl Ketone	400	48
	Methyl Isobutyl Ketone	640	<5.0
	Methyl tert-butyl ether	15	<0.50
	Methylene Chloride	5	<2.0
	Styrene	0.5	<0.50
	Tetrachloroethane, 1,1,1,2-	1.1	<0.50
	Tetrachloroethane, 1,1,2,2-	0.5	<0.50
	Tetrachloroethylene	0.5	<0.20
	Trichloroethane, 1,1,1-	0.5	<0.20
	Trichloroethane, 1,1,2-	0.5	<0.50
	Trichloroethylene	0.5	<0.20
	Trichlorofluoromethane	150	<0.50
	Vinyl Chloride	0.5	<0.20
PCB	Polychlorinated Biphenyls	2700	<0.05
OCs	Aldrin	0.01	<0.005
	Chlordane	0.06	<0.005
	DDD	1.8	<0.005
	DDE	10	<0.005
	DDT	0.05	<0.005
	Dieldrin	0.05	<0.005
	Endosulfan	0.05	<0.005
	Endrin	0.05	<0.005
	Heptachlor	0.01	<0.005
	Heptachlor Epoxide	0.01	<0.005
	Hexachlorobenzene	0.01	<0.005
	Hexachlorobutadiene	0.01	<0.009
	Hexachlorocyclohexane Gamm	0.01	<0.003
	Hexachloroethane	0.01	<0.01
	Methoxychlor	0.05	<0.01

See Notes for Analytical Tables included at the beginning of this Section

Location
BH22-3
MW18-1
MW18-1B
MW18-1
all samples
MW18-1
MW18-1
MW18-1
MW18-1 (GW22-1) & BH23-2
MW18-1B
all samples
BH23-2
BH23-2
MW18-1
BH23-2
BH23-1
BH23-3
BH23-2
MW18-1B
MW18-1B
all samples
all samples
all samples
all samples
all samples
BH22-1
all samples
MW18-5
MW18-3
MW18-6
multiple
BH22-1
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples

Location
all samples
all samples
all samples
all samples
all samples
all samples
BH22-1
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples
all samples
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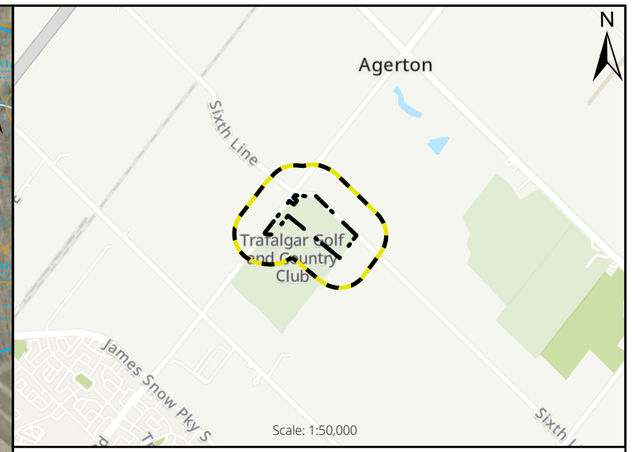
FIGURES



POTENTIALLY CONTAMINATING ACTIVITIES (PCAs)

- (27) GARAGES AND MAINTENANCE AND REPAIR OF RAILCARS, MARINE VEHICLES AND AVIATION VEHICLES
- (28) GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS
- (30) IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY
- (40) PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULINGAGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGE-SCALE APPLICATIONS
- (55) TRANSFORMER MANUFACTURING, PROCESSING AND USE
- (58) WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS
- (A) SPILLS
- (B) USED MOTOR OIL STORAGE

LEGEND

- SITE BOUNDARY
- 250 m STUDY AREA
- FORMER SITE BUILDING (DEMOLISHED)
- 1 m TOPOGRAPHIC CONTOURS (mASL)
- INFERRED GROUNDWATER FLOW DIRECTION
- MECP WATER WELL
- WETLAND
- WATERBODY
- WATERCOURSE
- MIDDLE SIXTEEN MILE CREEK 30 m BUFFER
- GREENLANDS AREA A
- ENVIRONMENTAL LINKAGE AREA
- GREENLAND AREA A/ENVIROMENTAL LINKAGE AREA 30 m BUFFER
- TANK CONTRIBUTING TO APEC
- (#) PCA NOT CONTRIBUTING TO APEC
- (#) PCA CONTRIBUTING TO APEC

CLIENT

ANATOLIA CAPITAL CORP.

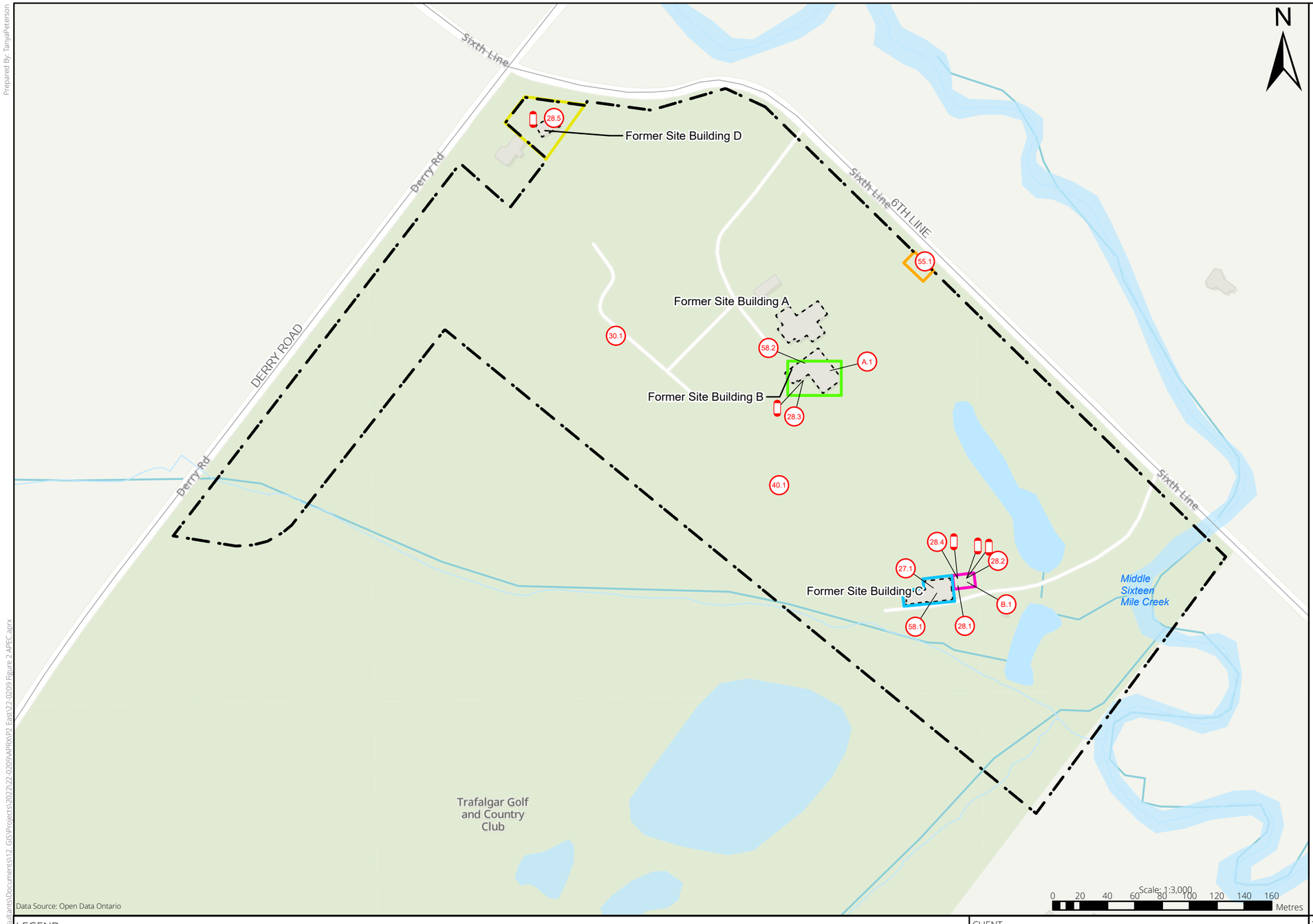
PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE

PHASE TWO CONCEPTUAL SITE MODEL

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	1



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APECs)

APEC	PCA	COPCs	Media
1	27 .1	metals, As, Se, Sb, Hg, Cr (VI), PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
2	28 .1, .2	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
3	28 .3	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
4	28 .4	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
5	28 .5	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
6	30 .1	metals, As, Se, Sb, Hg, Cr (VI), CN-, B-HWS, PHCs, BTEX, PAHs	Soil
7	40 .1	metals, As, Se, Sb, Hg, OCs	Soil and Groundwater
8	55 .1	PHCs, BTEX, PAHs, PCBs	Soil
9	58 .1	PHCs, BTEX	Soil and Groundwater
10	58 .2	PHCs, BTEX, VOCs, PAH	Soil and Groundwater
11	A .1	PHCs, BTEX, VOCs	Soil and Groundwater
12	B .1	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater

APEC 1 & 9
APEC 2, 4, 12
APEC 3, 10 & 11
APEC 5
APEC 6 & 7
APEC 8

LEGEND

SITE BOUNDARY
FORMER SITE BUILDING (DEMOLISHED)
WATERCOURSE
WATERBODY
TANK CONTRIBUTING TO APEC
PCA NOT CONTRIBUTING TO APEC
PCA CONTRIBUTING TO APEC

CLIENT
ANATOLIA CAPITAL CORP.

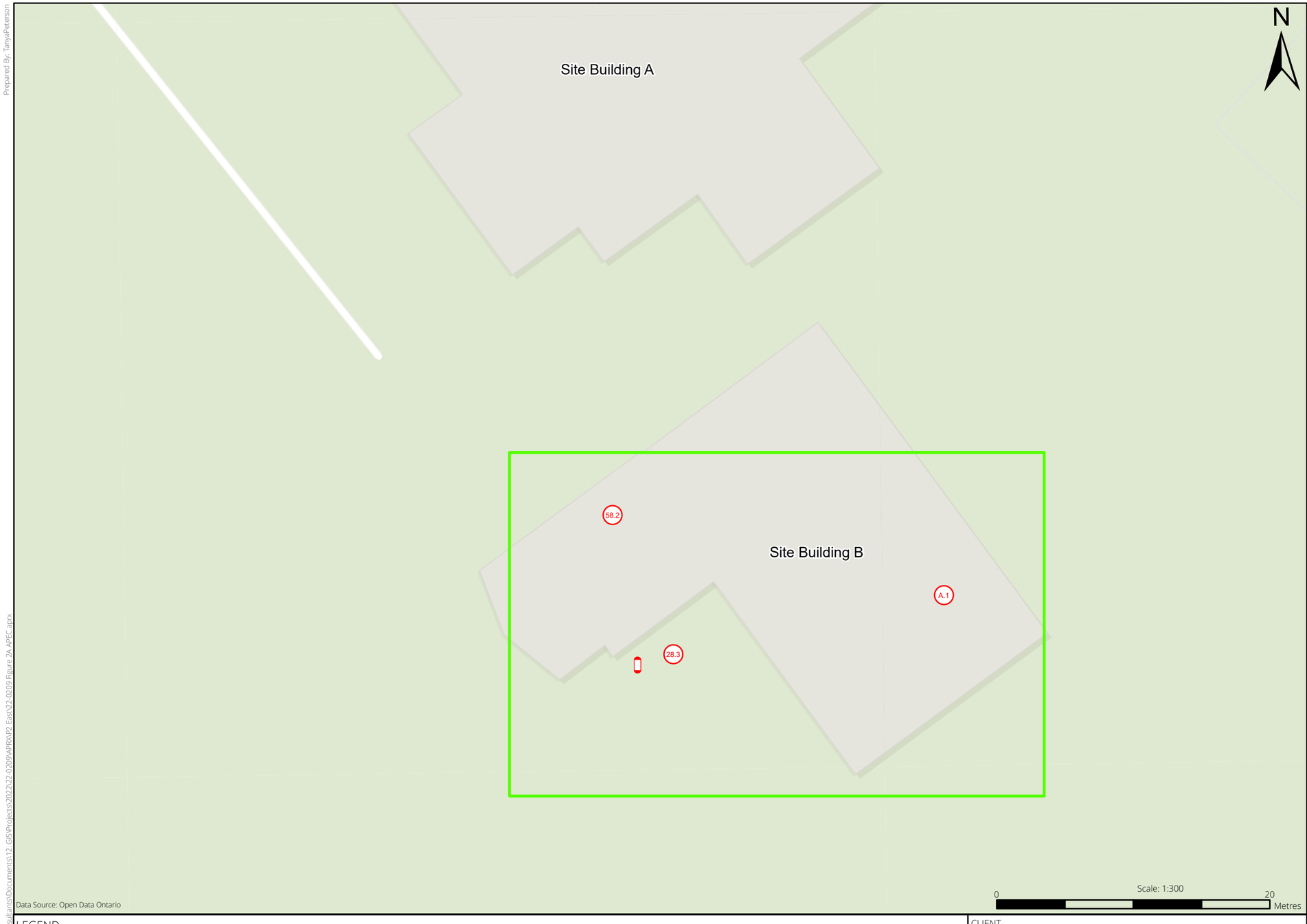
PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	2

Prepared By: TanyaPeterson

C:\Users\TanyaPeterson\OneDrive - EnVision Consultants\Documents\12. GIS\Projects\2022\22-0209\APRX\P2 East\22-0209 Figure 2 APEC.aprx



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APECs)

APEC	PCA	COPCs	Media
1	27 .1	metals, As, Se, Sb, Hg, Cr (VI), PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
2	28 .1, .2	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
3	28 .3	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
4	28 .4	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
5	28 .5	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
6	30 .1	metals, As, Se, Sb, Hg, Cr (VI), CN-, B-HWS, PHCs, BTEX, PAHs	Soil
7	40 .1	metals, As, Se, Sb, Hg, OCs	Soil and Groundwater
8	55 .1	PHCs, BTEX, PAHs, PCBs	Soil
9	58 .1	PHCs, BTEX	Soil and Groundwater
10	58 .2	PHCs, BTEX, VOCs, PAH	Soil and Groundwater
11	A .1	PHCs, BTEX, VOCs	Soil and Groundwater
12	B .1	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater

APEC 3, 10 & 11

LEGEND

- SITE BOUNDARY
- TANK CONTRIBUTING TO APEC
- (#) PCA NOT CONTRIBUTING TO APEC
- (#) PCA CONTRIBUTING TO APEC

CLIENT

ANATOLIA CAPITAL CORP.

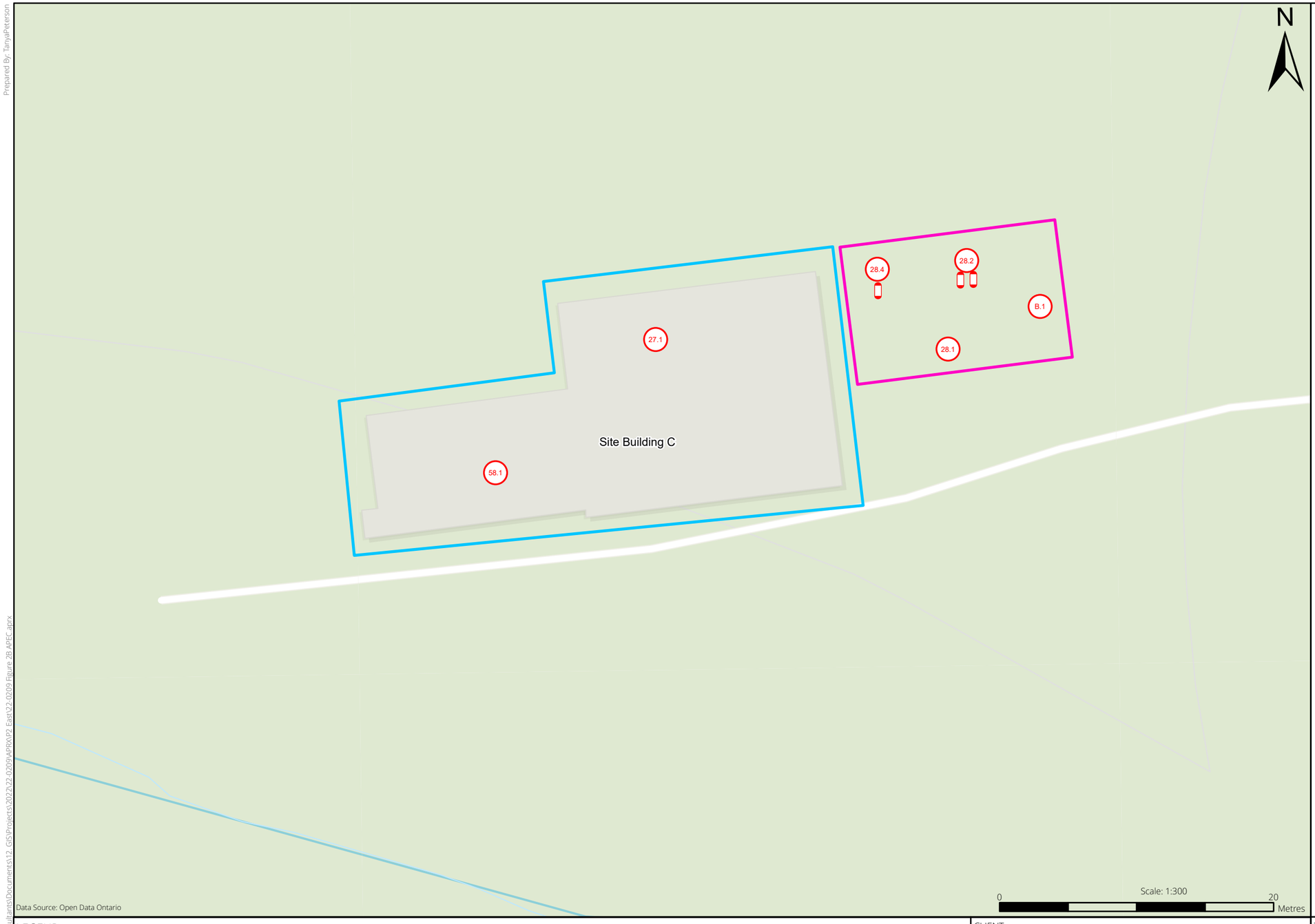
PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	2A



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APECs)

APEC	PCA	COPCs	Media
1	27 .1	metals, As, Se, Sb, Hg, Cr (VI), PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
2	28 .1, .2	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
3	28 .3	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
4	28 .4	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
5	28 .5	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater
6	30 .1	metals, As, Se, Sb, Hg, Cr (VI), CN-, B-HWS, PHCs, BTEX, PAHs	Soil
7	40 .1	metals, As, Se, Sb, Hg, OCs	Soil and Groundwater
8	55 .1	PHCs, BTEX, PAHs, PCBs	Soil
9	58 .1	PHCs, BTEX	Soil and Groundwater
10	58 .2	PHCs, BTEX, VOCs, PAH	Soil and Groundwater
11	A .1	PHCs, BTEX, VOCs	Soil and Groundwater
12	B .1	PHCs, BTEX, VOCs, PAHs	Soil and Groundwater

APEC 1 & 9

APEC 2, 4, 12

LEGEND

SITE BOUNDARY

WATERCOURSE

TANK CONTRIBUTING TO APEC

PCA NOT CONTRIBUTING TO APEC

PCA CONTRIBUTING TO APEC

CLIENT

ANATOLIA CAPITAL CORP.

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	2B

LEGEND

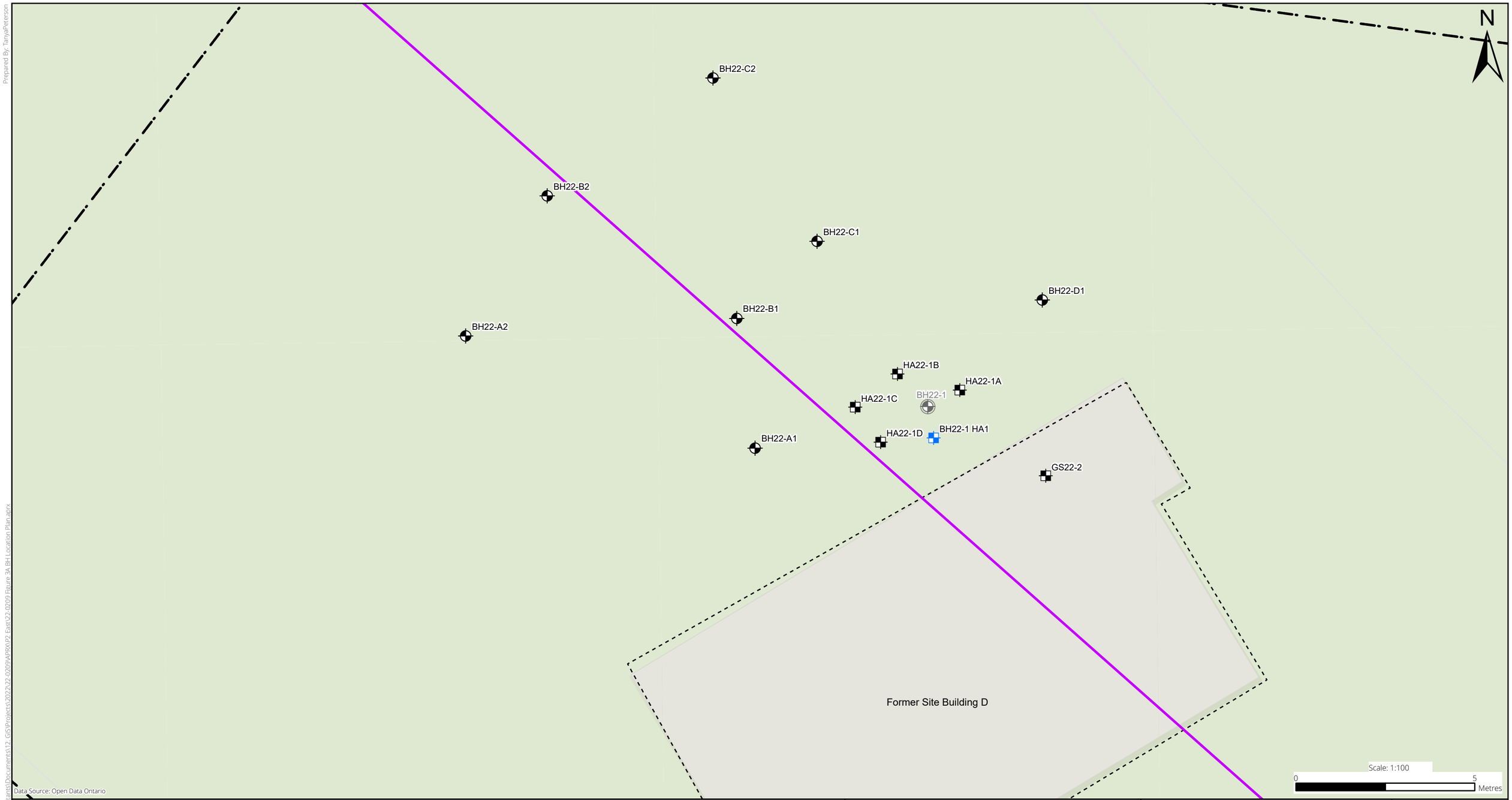
- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- WATERCOURSE
- WATERBODY
- BOREHOLE (ENVISION)
- MONITORING WELL (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CROSS SECTION

CLIENT: ANATOLIA CAPITAL CORP.

PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE: BOREHOLE LOCATION PLAN

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	3



LEGEND

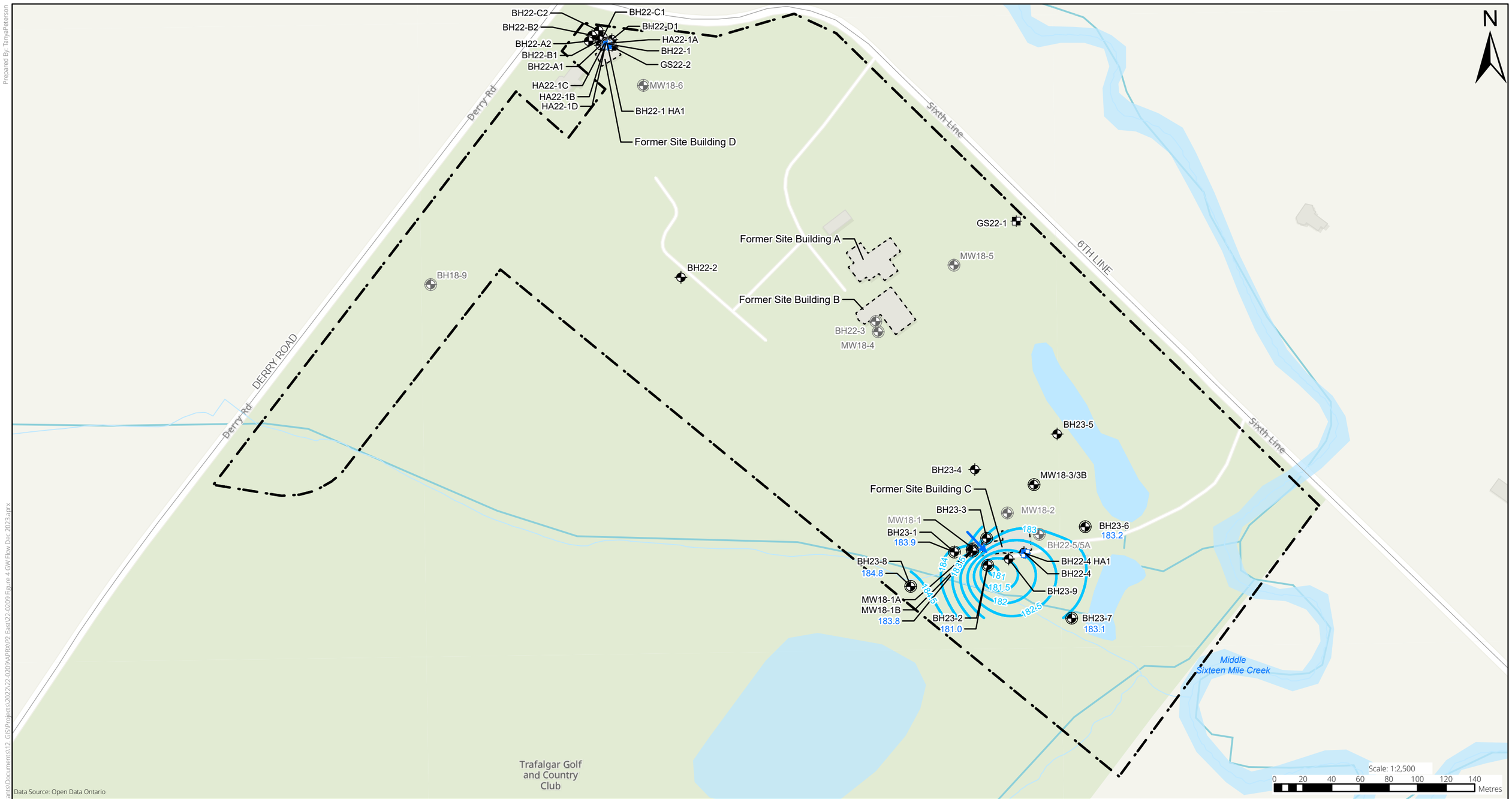
- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- BOREHOLE (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CROSS SECTION

CLIENT: ANATOLIA CAPITAL CORP.

PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE: BOREHOLE LOCATION PLAN

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	3A



LEGEND

- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- WATERCOURSE
- WATERBODY
- BOREHOLE (ENVISION)
- MONITORING WELL (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- 183.9 GROUNDWATER ELEVATION (DECEMBER 28, 2023)
- GROUNDWATER CONTOURS (mASL)
- INFERRED GROUNDWATER FLOW DIRECTION

CLIENT: ANATOLIA CAPITAL CORP.

PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE: GROUNDWATER CONTOURS AND GROUNDWATER FLOW - DECEMBER 28, 2023

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	4

Prepared By: TanyaPeterson

C:\Users\TanyaPeterson\OneDrive - EnVision Consultants\Documents\12_GIS\Projects\2022\22-0209\APRX\P2 East\22-0209 Figure 4 GW Flow Dec 2023.aprx

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
BH22-2 S1A	0.0 - 0.8	Metals & ORPs	<T1 SCS
		OCs	<T1 SCS
BH22-2 S1B	0.8 - 1.5	PHCs & BTEX	<T1 SCS
		PAHs	<T1 SCS
BH22-2 S3A	3.0 - 3.8	PHCs & BTEX	<T1 SCS
BH22-2 S4B	5.3 - 6.1	VOCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
BH18-9 SA1C	0.91 - 1.52	Metals & ORPs	<T1 SCS
		PAHs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
BH22-3 S1A	0.0 - 0.8	PHCs & BTEX	<T1 SCS
		PAHs	<T1 SCS
BH22-3 S1B	0.8 - 1.5	Metals & ORPs	<T1 SCS
		OCs	<T1 SCS
BH22-3 S3A	3.0 - 3.8	PHCs & BTEX	<T1 SCS
BH22-2 S4B	5.3 - 6.1	VOCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
BH18-4 SA3A	3.05 - 3.66	PHCs & BTEX	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			19-Dec-23
BH23-5 S4A	4.6 - 5.3	PHCs & BTEX	<T1 SCS

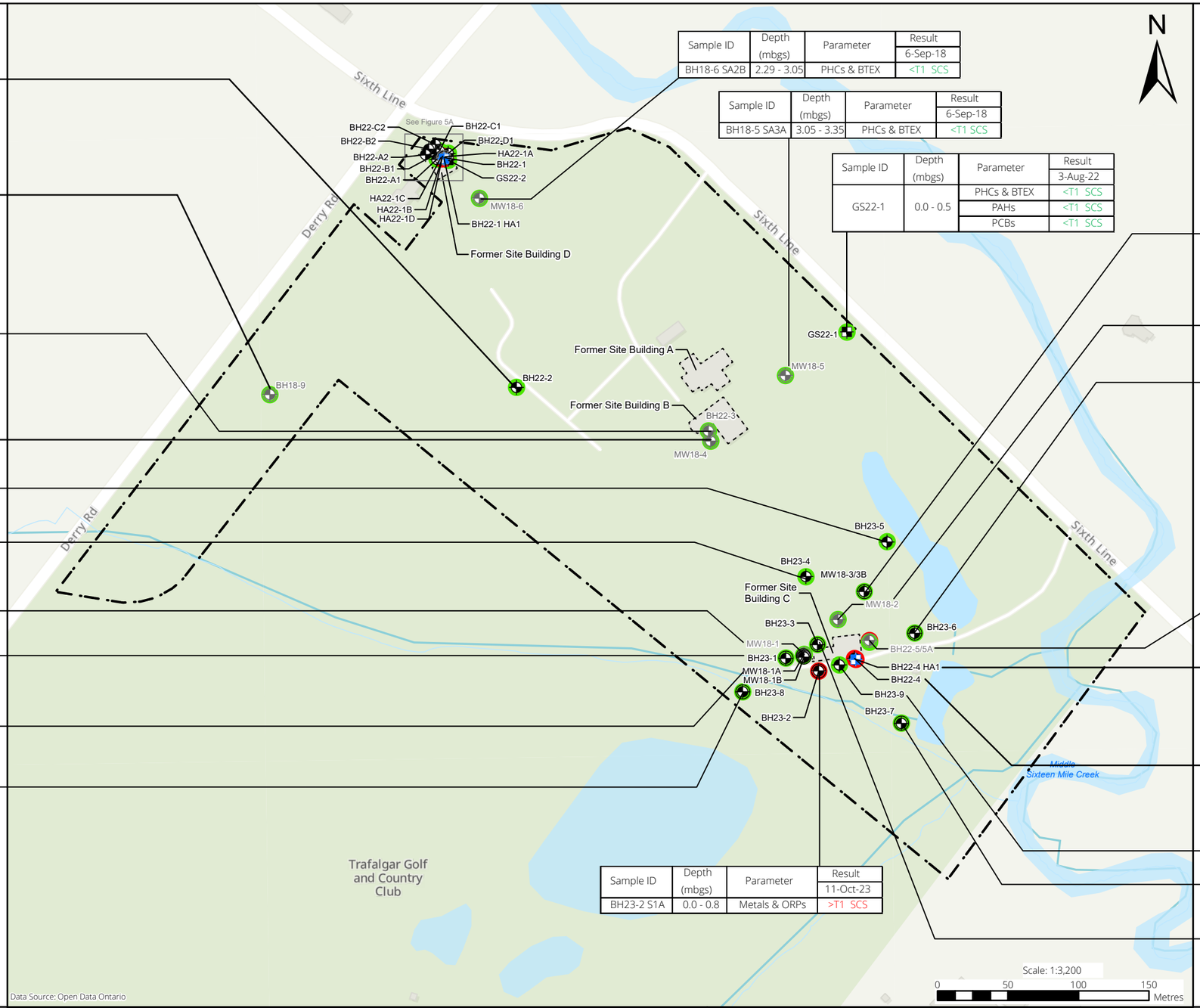
Sample ID	Depth (mbgs)	Parameter	Result
			19-Dec-23
BH23-4 S1A	0.0 - 0.8	Metals & ORPs	<T1 SCS
BH23-4 S4A	4.6 - 5.3	PHCs & BTEX	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
BH18-1 SA7	4.57 - 6.10	PHCs & BTEX	<T1 SCS
		VOCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			11-Oct-23
BH23-1 S1A	0.0 - 0.8	Metals & ORPs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			11-Oct-23
MW18-1A S1B	0.8 - 1.5	Metals & ORPs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			19-Dec-23
BH23-8 S1A	0.0 - 0.8	Metals & ORPs	<T1 SCS



Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
BH18-6 SA2B	2.29 - 3.05	PHCs & BTEX	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
BH18-5 SA3A	3.05 - 3.35	PHCs & BTEX	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
GS22-1	0.0 - 0.5	PHCs & BTEX	<T1 SCS
		PAHs	<T1 SCS
		PCBs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result	Result
			6-Sep-18	19-Dec-23
BH18-3 SA6	4.6 - 5.3	Metals & ORPs	<T2 SCS	-
		PHCs & BTEX	>T1 SCS	-
		OCs	<T1 SCS	-
BH18-3B S4A	4.6 - 5.3	PHCs & BTEX	-	<T1 SCS
		PAHs	-	<T1 SCS
BH18-3B S4B	5.3 - 6.1	PHCs & BTEX	-	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
BH18-2 SA5	3.05 - 3.66	PHCs & BTEX	<T1 SCS
		VOCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			19-Dec-23
BH23-6 S4A	4.6 - 5.3	PHCs & BTEX	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result	
			3-Aug-22	11-Oct-23
BH22-5 S1A	0.0 - 0.8	Metals & ORPs	>T1 SCS	-
		OCs	<T1 SCS	-
BH22-5 S1B	0.8 - 1.5	PHCs & BTEX	<T1 SCS	-
		PAHs	<T1 SCS	-
		mercury	-	<T1 SCS
BH22-5 S3A	3.0 - 3.8	PHCs & BTEX	<T1 SCS	-
BH22-5 S4B	5.3 - 6.1	VOCs	<T1 SCS	-

Sample ID	Depth (mbgs)	Parameter	Result
			16-Aug-23
BH22-4 HA1	0.0 - 0.8	Metals & ORPs	>T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
BH22-4 S1A	0.0 - 0.8	Metals & ORPs	>T1 SCS
		PAHs	<T1 SCS
BH22-4 S1B	0.8 - 1.5	PHCs & BTEX	<T1 SCS
BH22-4 S2B	2.3 - 3.0	PHCs & BTEX	<T1 SCS
BH22-4 S3A	3.0 - 3.8	VOCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			19-Dec-23
BH23-9 S1B	0.8 - 1.5	Metals & ORPs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			19-Dec-23
BH23-7 S1A	0.0 - 0.8	Metals & ORPs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			11-Oct-23
BH23-3 S1A	0.0 - 0.8	Metals & ORPs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			11-Oct-23
BH23-2 S1A	0.0 - 0.8	Metals & ORPs	>T1 SCS

LEGEND

- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- WATERBODY
- WATERCOURSE
- BOREHOLE (ENVISION)
- MONITORING WELL (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CONCENTRATIONS MEET TABLE 1 RPIICC SCS
- CONCENTRATIONS DO NOT MEET TABLE 1 RPIICC SCS

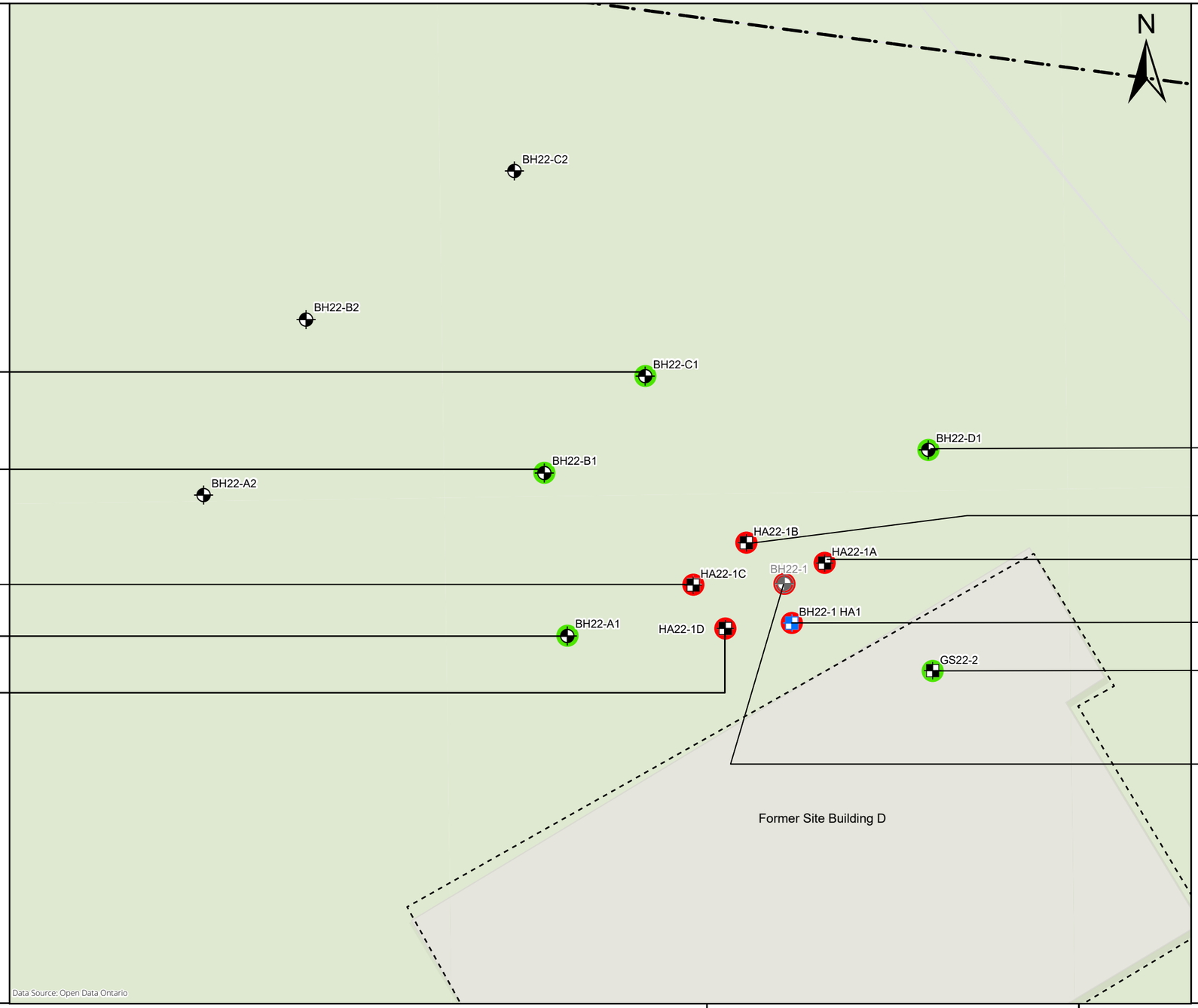
NOTES:
Metals = metals, hydride metals
ORPs = B HWS, Cr(VI), CN-, EC, Hg, SAR, pH

CLIENT
ANATOLIA CAPITAL CORP.

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE
SUMMARY OF CHEMICAL ANALYSIS IN SOIL

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	5



Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
BH22-C1 S1A	0.3 - 1.2	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
BH22-B1 S1A	0.3 - 0.9	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
HA22-1C S1	0.0 - 0.5	OCs	N/A	>T1 SCS	N/A

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
BH22-A1 S1A	0.6 - 1.2	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
HA22-1D S1	0.0 - 0.5	OCs	N/A	>T1 SCS	N/A

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
BH22-D1 S1A	0.3 - 1.2	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
HA22-1B S1	0.0 - 0.5	OCs	N/A	>T1 SCS	N/A

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
HA22-1A S1	0.0 - 0.5	OCs	N/A	>T1 SCS	N/A

Sample ID	Depth (mbgs)	Parameter	Result 16-Aug-23
BH22-1 HA1	0.0 - 0.8	Metals & ORPs	<T1 SCS
S23-1	0.0 - 0.8	Metals & ORPs	>T1 SCS

Duplicate of BH22-1 HA1

Sample ID	Depth (mbgs)	Parameter	Result 17-Nov-22
GS22-2	0.0 - 0.5	Metals & ORPs	<T1 SCS
		PHCs & BTEX	<T1 SCS
		OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22	Result 29-Sep-22	Result 28-Nov-22
BH22-1 S1A	0.0 - 0.8	Metals & ORPs	>T1 SCS	N/A	N/A
		OCs	>T1 SCS	N/A	N/A
BH22-1 S1B	0.8 - 1.5	PHCs & BTEX	<T1 SCS	N/A	N/A
		PAHs	<T1 SCS	N/A	N/A
		OCs	<T1 SCS	N/A	N/A
BH22-1 S4A	4.6 - 5.3	PHCs & BTEX	<T1 SCS	N/A	N/A
BH22-1 S4B	5.3 - 6.1	VOCs	<T1 SCS	N/A	N/A

Scale: 1:100

0 5 Metres

LEGEND

- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- BOREHOLE (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CONCENTRATIONS MEET TABLE 1 RPIICC SCS
- CONCENTRATIONS DO NOT MEET TABLE 1 RPIICC SCS

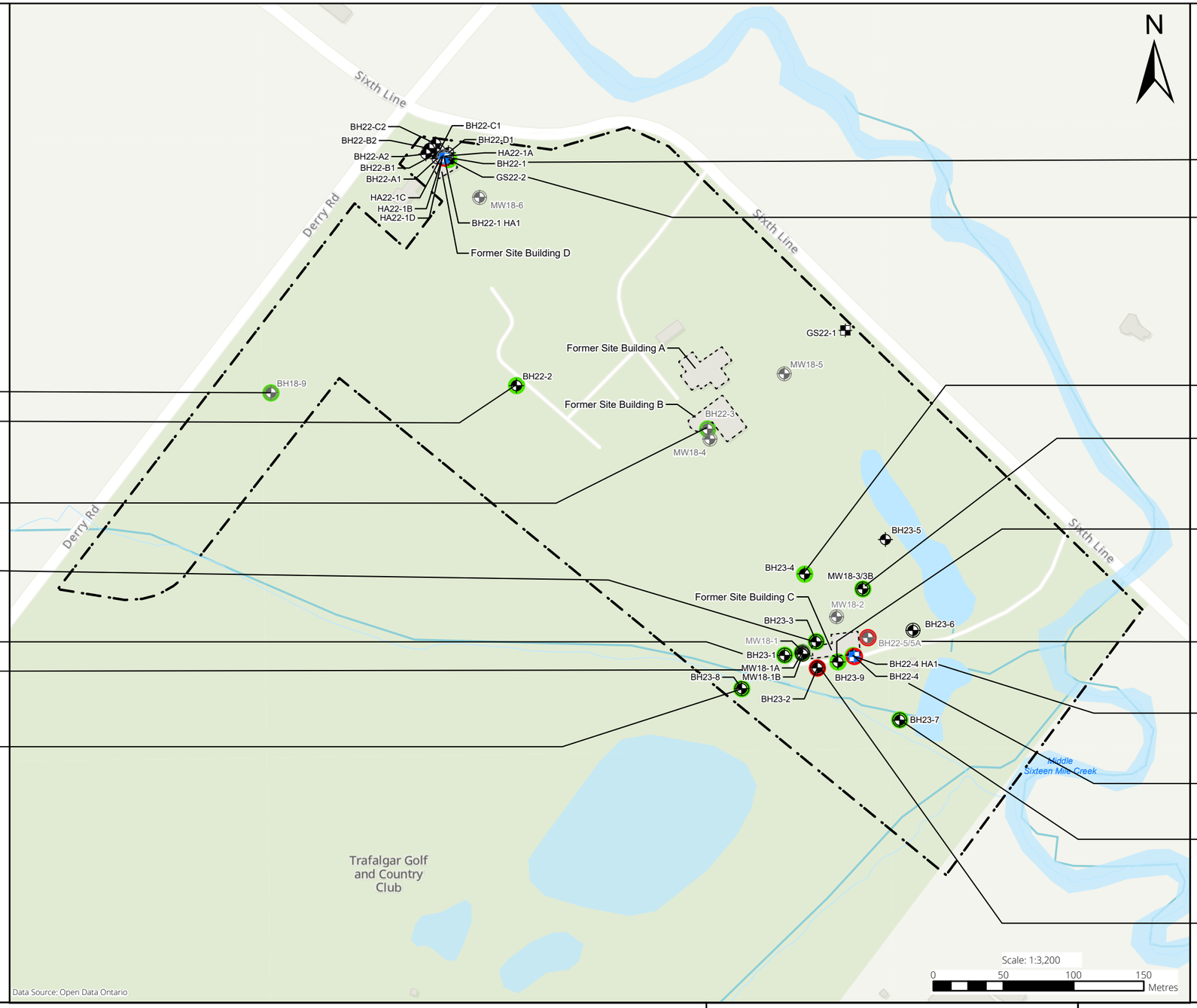
Notes:
Metals = metals, hydride metals
ORPs = B HWS, Cr(VI), CN-, EC, Hg, SAR, pH

CLIENT
ANATOLIA CAPITAL CORP.

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE
SUMMARY OF CHEMICAL ANALYSIS IN SOIL

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	5A



Sample ID	Depth (mbgs)	Parameter	Result 16-Aug-23
BH22-1 HA1	0.0 - 0.8	Mercury	<T1 SCS
S23-1	0.0 - 0.8	Mercury	0.4

*duplicate for BH22-1 H1A

Sample ID	Depth (mbgs)	Parameter	Result 17-Nov-22
GS22-2	0.0 - 0.6	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 6-Sep-18
BH18-9 SA1C	0.9 - 1.5	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 20-Jul-22
BH22-2 SIA	0.0 - 0.8	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 20-Jul-22
BH22-3 SIB	0.8 - 1.5	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
BH23-3 S1A	0.0 - 0.8	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
BH23-1 S1A	0.0 - 0.8	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
MW18-1A S1B	0.8 - 1.5	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 19-Dec-23
BH23-8 S1A	0.0 - 0.8	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 19-Dec-23
BH23-4 S1A	0.0 - 0.8	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 6-Sep-18
BH18-3 SA6	4.6 - 5.3	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 19-Dec-23
BH23-9 S1B	0.8 - 1.5	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 20-Jul-22	Result 11-Oct-23
BH22-5/5A S1A	0.0 - 0.8	Mercury	0.3	-
BH22-5/5A S1B	0.8 - 1.5	Mercury	-	<0.050

Sample ID	Depth (mbgs)	Parameter	Result 16-Aug-23
BH22-4 HA1	0.0 - 0.8	Mercury	2.3

Sample ID	Depth (mbgs)	Parameter	Result 22-Jul-22
BH22-4 S1A	0.0 - 0.8	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 19-Dec-23
BH23-7 S1A	0.0 - 0.8	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
BH23-2 S1A	0.0 - 0.8	Mercury	0.55

Parameter	Table 1 RPIICC SCS (µg/g)
Mercury	0.27

LEGEND

- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- WATERBODY
- WATERCOURSE
- BOREHOLE (ENVISION)
- MONITORING WELL (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CONCENTRATIONS MEET TABLE 1 RPIICC SCS
- CONCENTRATIONS DO NOT MEET TABLE 1 RPIICC SCS

CLIENT
ANATOLIA CAPITAL CORP.

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE
ORPS IN SOIL

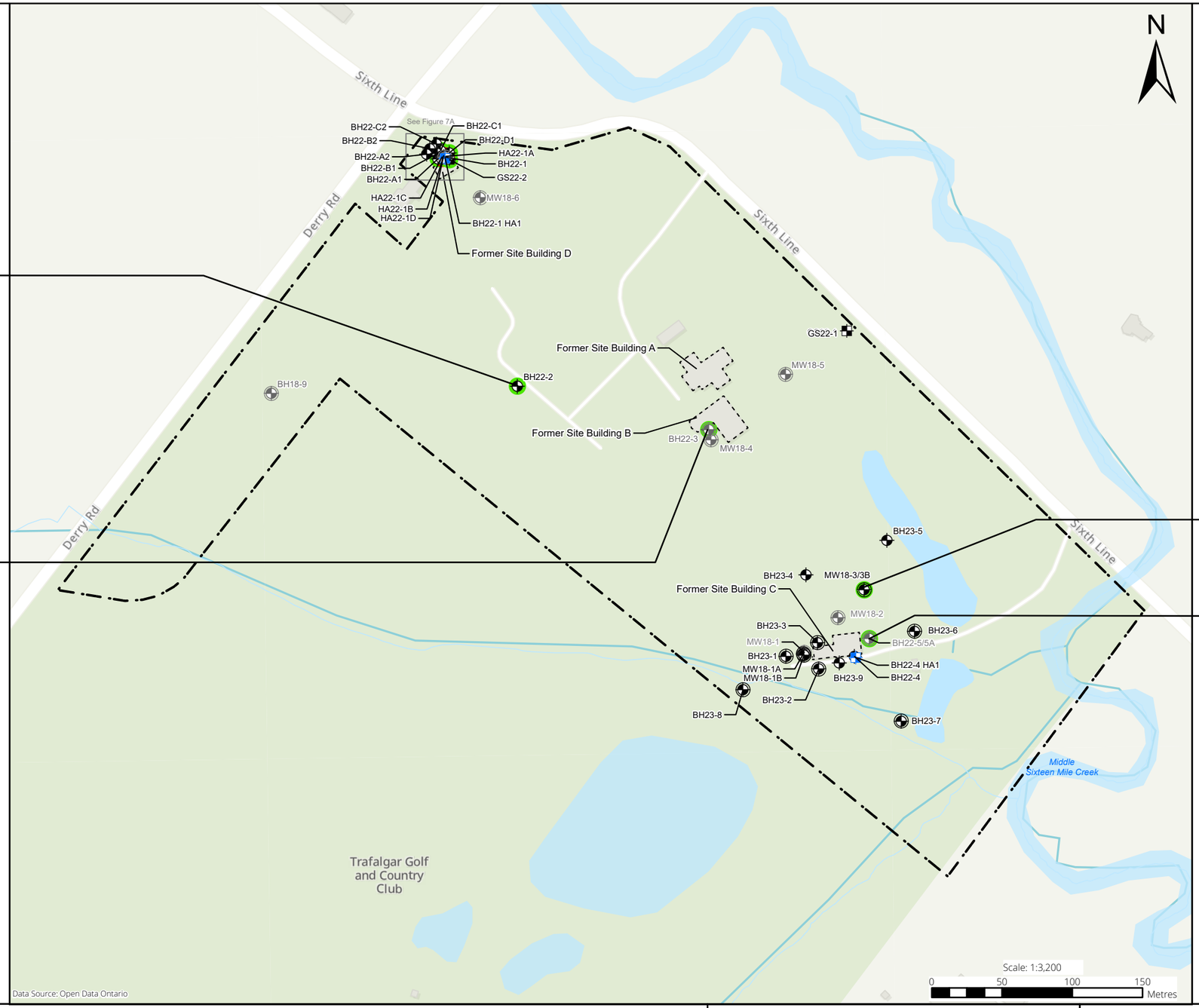
PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	6

Prepared By: TanyaPeterson

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
BH22-2 S1A	0.0 - 0.8	OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
BH22-3 S1B	0.8 - 1.5	OCs	<T1 SCS

Parameter	Table 1 RPIICC SCS (µg/g)
Chlordane	0.05
Heptachlor epoxide	0.05



Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
BH18-3 SA6	4.57 - 5.33	OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
BH22-5 S1A	0.0 - 0.8	OCs	<T1 SCS

LEGEND

- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- WATERBODY
- WATERCOURSE
- BOREHOLE (ENVISION)
- MONITORING WELL (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CONCENTRATIONS MEET TABLE 1 RPIICC SCS
- CONCENTRATIONS DO NOT MEET TABLE 1 RPIICC SCS

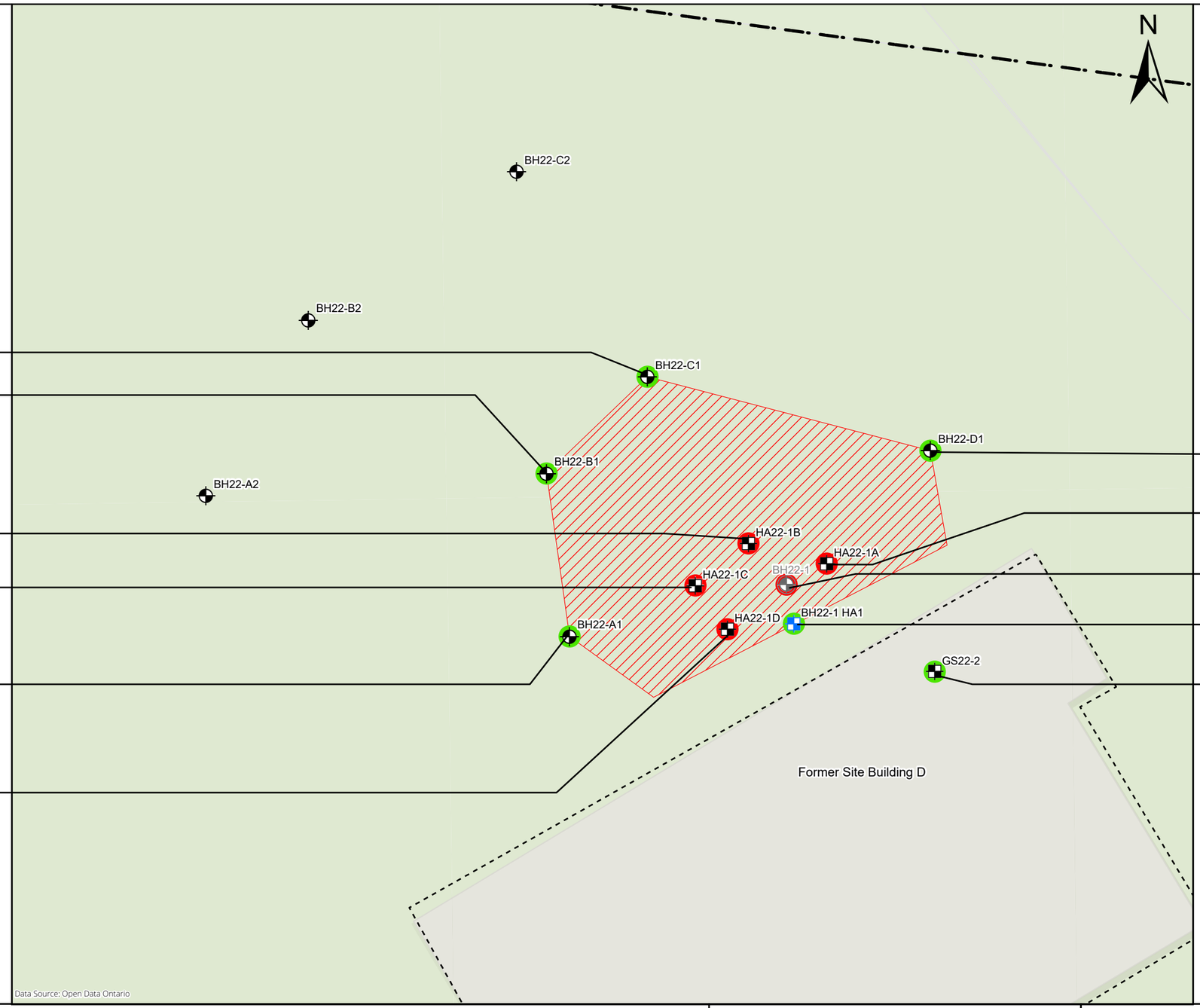
CLIENT
ANATOLIA CAPITAL CORP.

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE
OCS IN SOIL

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	7

C:\Users\TanyaPeterson\OneDrive - EnVision Consultants\Documents\12. GIS\Projects\2022\22-0209\APRXP2 East\22-0209 Figure 7 Soil OCs.aprx



Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
BH22-C1 S1A	0.3 - 1.2	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
BH22-B1 S1A	0.3 - 0.9	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
HA22-1B S1	0.0 - 0.5	Chlordane	N/A	0.58	N/A

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
HA22-1C S1	0.0 - 0.5	Chlordane	N/A	0.36	N/A
		Heptachlor epoxide	N/A	0.068	N/A

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
BH22-A1 S1A	0.6 - 1.2	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
HA22-1D S1	0.0 - 0.5	Chlordane	N/A	0.52	N/A
		Heptachlor epoxide	N/A	0.061	N/A

Parameter	Table 1 RPIICC SCS (µg/g)
Chlordane	0.05
Heptachlor epoxide	0.05

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
BH22-D1	0.3 - 1.2	OCs	N/A	N/A	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
HA22-1A S1	0.0 - 0.5	Chlordane	N/A	0.32	N/A

Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
BH22-1 S1A	0.0 - 0.8	Chlordane	0.11	N/A	N/A
BH22-1 S1B	0.8 - 1.5	OCs	<T1 SCS	N/A	N/A

Sample ID	Depth (mbgs)	Parameter	Result
			16-Aug-23
BH22-1 HA1	0.0 - 0.8	OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			17-Nov-22
GS22-2	0.0 - 0.5	OCs	<T1 SCS

Scale: 1:100

0 5 Metres

LEGEND

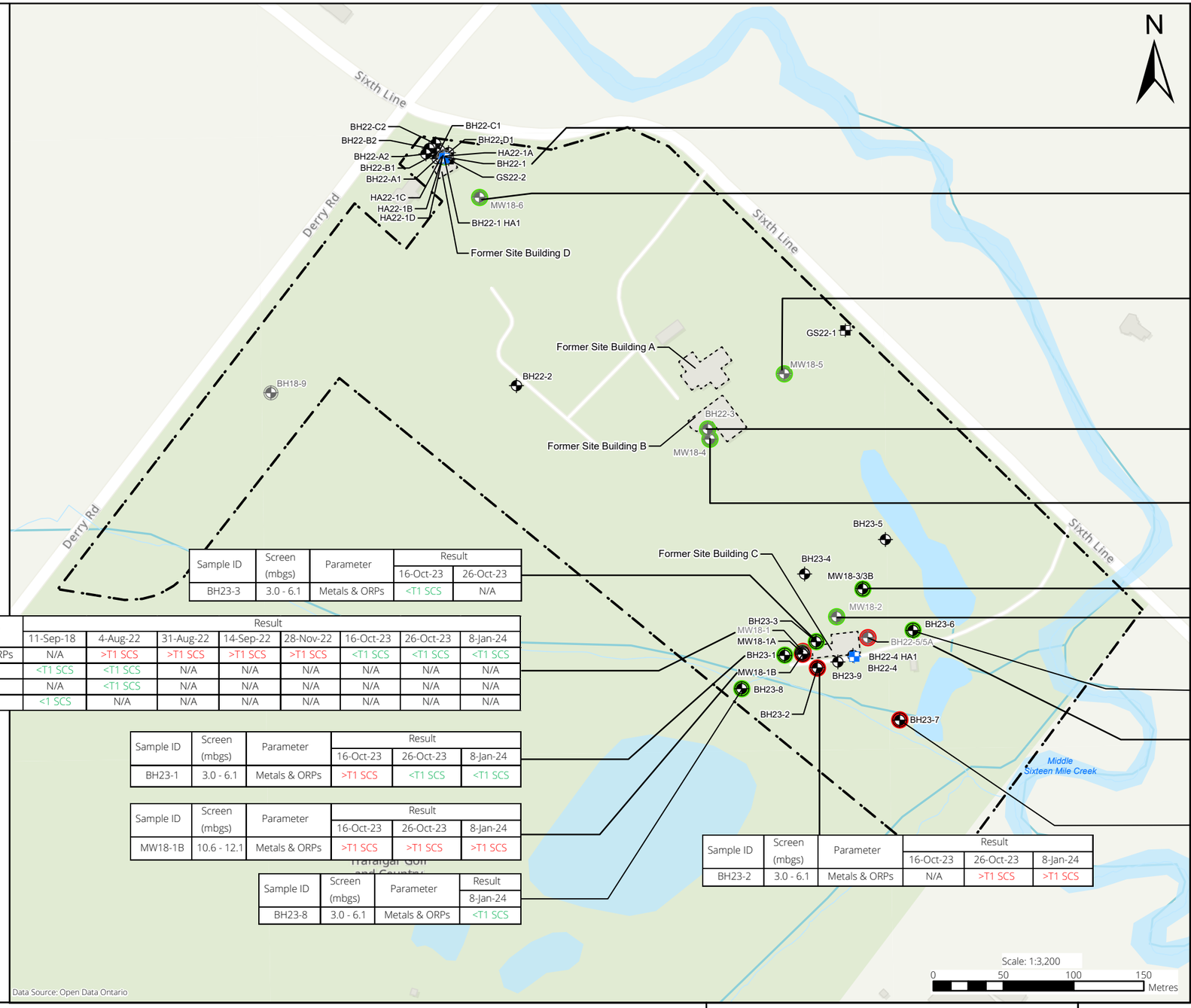
- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- BOREHOLE (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CONCENTRATIONS MEET TABLE 1 RPIICC SCS
- CONCENTRATIONS DO NOT MEET TABLE 1 RPIICC SCS
- APPROXIMATE EXTENT OF IMPACTS

CLIENT: ANATOLIA CAPITAL CORP.

PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE: OCS IN SOIL

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	7A



Sample ID	Screen (mbgs)	Parameter	Result	
			16-Oct-23	26-Oct-23
BH23-3	3.0 - 6.1	Metals & ORPs	<T1 SCS	N/A

Sample ID	Screen (mbgs)	Parameter	Result						
			11-Sep-18	4-Aug-22	31-Aug-22	14-Sep-22	28-Nov-22	16-Oct-23	26-Oct-23	8-Jan-24
MW18-1/MW18-1A	3.0 - 6.1	Metals & ORPs	N/A	>T1 SCS	>T1 SCS	>T1 SCS	>T1 SCS	<T1 SCS	<T1 SCS	<T1 SCS
		PHCs	<T1 SCS	<T1 SCS	N/A	N/A	N/A	N/A	N/A	N/A
		VOCs	N/A	<T1 SCS	N/A	N/A	N/A	N/A	N/A	N/A
		OCs	<1 SCS	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Sample ID	Screen (mbgs)	Parameter	Result		
			16-Oct-23	26-Oct-23	8-Jan-24
BH23-1	3.0 - 6.1	Metals & ORPs	>T1 SCS	<T1 SCS	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result		
			16-Oct-23	26-Oct-23	8-Jan-24
MW18-1B	10.6 - 12.1	Metals & ORPs	>T1 SCS	>T1 SCS	>T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			8-Jan-24
BH23-8	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result		
			16-Oct-23	26-Oct-23	8-Jan-24
BH23-2	3.0 - 6.1	Metals & ORPs	N/A	>T1 SCS	>T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			18-Aug-22
BH22-1	3.0 - 6.1	Metals & ORPs	<T1 SCS
		PHCs	<T1 SCS
		VOCs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			11-Sep-18
MW18-06	3.0 - 6.1	PHCs & BTEX	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result	Result
			11-Sep-18	4-Aug-22
MW18-5	3.0 - 6.1	Metals & ORPs	N/A	<T1 SCS
		PHCs	<T1 SCS	<T1 SCS
		VOCs	N/A	<T1 SCS
		OCs	N/A	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			4-Aug-22
BH22-3	3.0 - 6.1	Metals & ORPs	<T1 SCS
		PHCs	<T1 SCS
		VOCs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result	
			11-Sep-18	4-Aug-22
MW18-4	3.0 - 6.1	Metals & ORPs	N/A	<T1 SCS
		PHCs	<T1 SCS	<T1 SCS
		VOCs	N/A	<T1 SCS
		OCs	N/A	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			11-Sep-18
MW18-03	3.0 - 6.1	PHCs & BTEX	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			11-Sep-18
MW18-02	3.0 - 6.1	PHCs & BTEX	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			8-Jan-24
BH23-6	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			18-Aug-22
BH22-5	3.0 - 6.1	Metals & ORPs	>T1 SCS
		PHCs	<T1 SCS
		VOCs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			8-Jan-24
BH23-7	3.0 - 6.1	Metals & ORPs	>T1 SCS

LEGEND

- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- WATERBODY
- WATERCOURSE
- BOREHOLE (ENVISION)
- MONITORING WELL (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CONCENTRATIONS MEET TABLE 1 SCS
- CONCENTRATIONS DO NOT MEET TABLE 1 SCS

NOTES:
Metals = metals, hydride metals
ORPs = Cr(VI), CN-, Hg, Na, Cl-

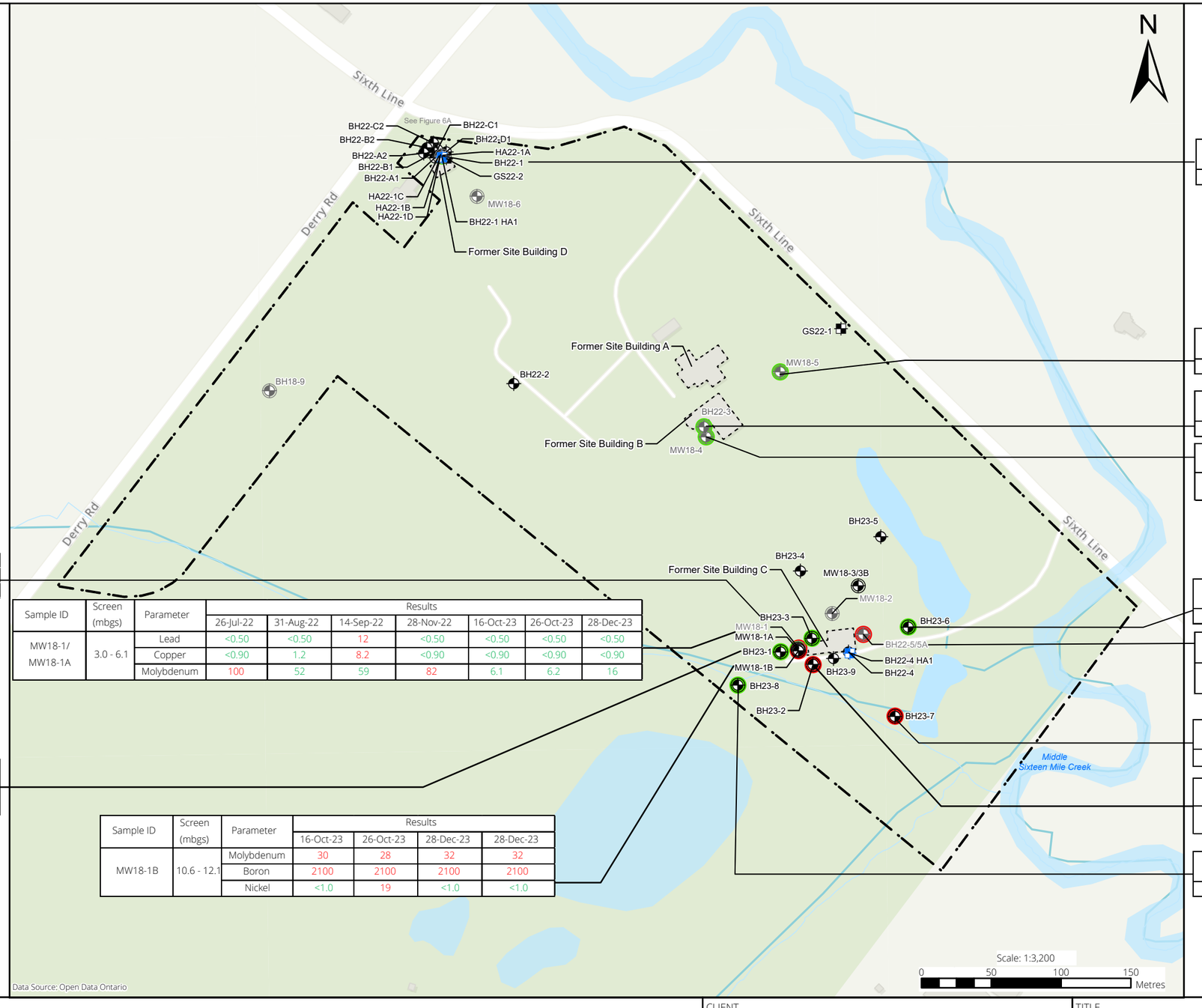
CLIENT
ANATOLIA CAPITAL CORP.

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE
SUMMARY OF CHEMICAL ANALYSIS IN GROUNDWATER

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	8

Parameter	Table 1 RPIICC SCS (µg/L)
Lead	1.9
Molybdenum	23
Boron	1700
Nickel	14
Antimony	1.5
Uranium	8.9
Copper	5



Sample ID	Screen (mbgs)	Parameter	Results
			18-Aug-22
BH22-1	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results
			4-Aug-22
MW18-5	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results
			4-Aug-22
BH22-3	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results
			4-Aug-22
MW18-4	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results
			16-Oct-23
BH23-3	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results						
			26-Jul-22	31-Aug-22	14-Sep-22	28-Nov-22	16-Oct-23	26-Oct-23	28-Dec-23
MW18-1/ MW18-1A	3.0 - 6.1	Lead	<0.50	<0.50	12	<0.50	<0.50	<0.50	<0.50
		Copper	<0.90	1.2	8.2	<0.90	<0.90	<0.90	<0.90
		Molybdenum	100	52	59	82	6.1	6.2	16

Sample ID	Screen (mbgs)	Parameter	Result
			8-Jan-24
BH23-6	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			18-Aug-22
BH22-5	3.0 - 6.1	Copper	6.8
		Molybdenum	30

Sample ID	Screen (mbgs)	Parameter	Result
			28-Dec-23
BH23-7	3.0 - 6.1	Molybdenum	29

Sample ID	Screen (mbgs)	Parameter	Results		
			16-Oct-23	26-Oct-23	08-Jan-24
BH23-1	3.0 - 6.1	Molybdenum	29	12	19
		Antimony	1.8	<0.50	<0.50

Sample ID	Screen (mbgs)	Parameter	Results			
			16-Oct-23	26-Oct-23	28-Dec-23	28-Dec-23
MW18-1B	10.6 - 12.1	Molybdenum	30	28	32	32
		Boron	2100	2100	2100	2100
		Nickel	<1.0	19	<1.0	<1.0

Sample ID	Screen (mbgs)	Parameter	Results		
			16-Oct-23	26-Oct-23	28-Dec-23
BH23-2	3.0 - 6.1	Molybdenum	N/A	100	29
		Uranium	N/A	9.5	7.7

Sample ID	Screen (mbgs)	Parameter	Result
			8-Jan-24
BH23-8	3.0 - 6.1	Metals & ORPs	<T1 SCS

LEGEND

- SITE BOUNDARY
- FORMER SITE BUILDING (DEMOLISHED)
- WATERBODY
- WATERCOURSE
- BOREHOLE (ENVISION)
- MONITORING WELL (ENVISION)
- MONITORING WELL (DESTROYED)
- GRAB SAMPLE BY ENVISION (2022)
- GRAB SAMPLE BY ENVISION (AUGUST 2023)
- CONCENTRATIONS MEET TABLE 1 RPIICC SCS
- CONCENTRATIONS EXCEED TABLE 1 RPIICC SCS

CLIENT: ANATOLIA CAPITAL CORP.

PROJECT: PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE
MILTON, ONTARIO

TITLE: METALS IN GROUNDWATER

PROJECT NO.	DATE	PREPARED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	AM	RO	9

Sample ID	Depth (mbgs)	Parameter	Result 1-Oct-23
BH23-1 SA	0.0 - 0.8	Mercury	0.55

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
MW18-1A SB	0.8 - 1.5	Mercury	<11 SCS

Sample ID	Depth (mbgs)	Parameter	Result 11 Oct 23
BH23-1 SA	0.0 - 0.8	Mercury	<11 SCS

Sample ID	Depth (mbgs)	Parameter	Result 19 Dec 23
BH23-8 SA	0.0 - 0.8	Mercury	<11 SCS

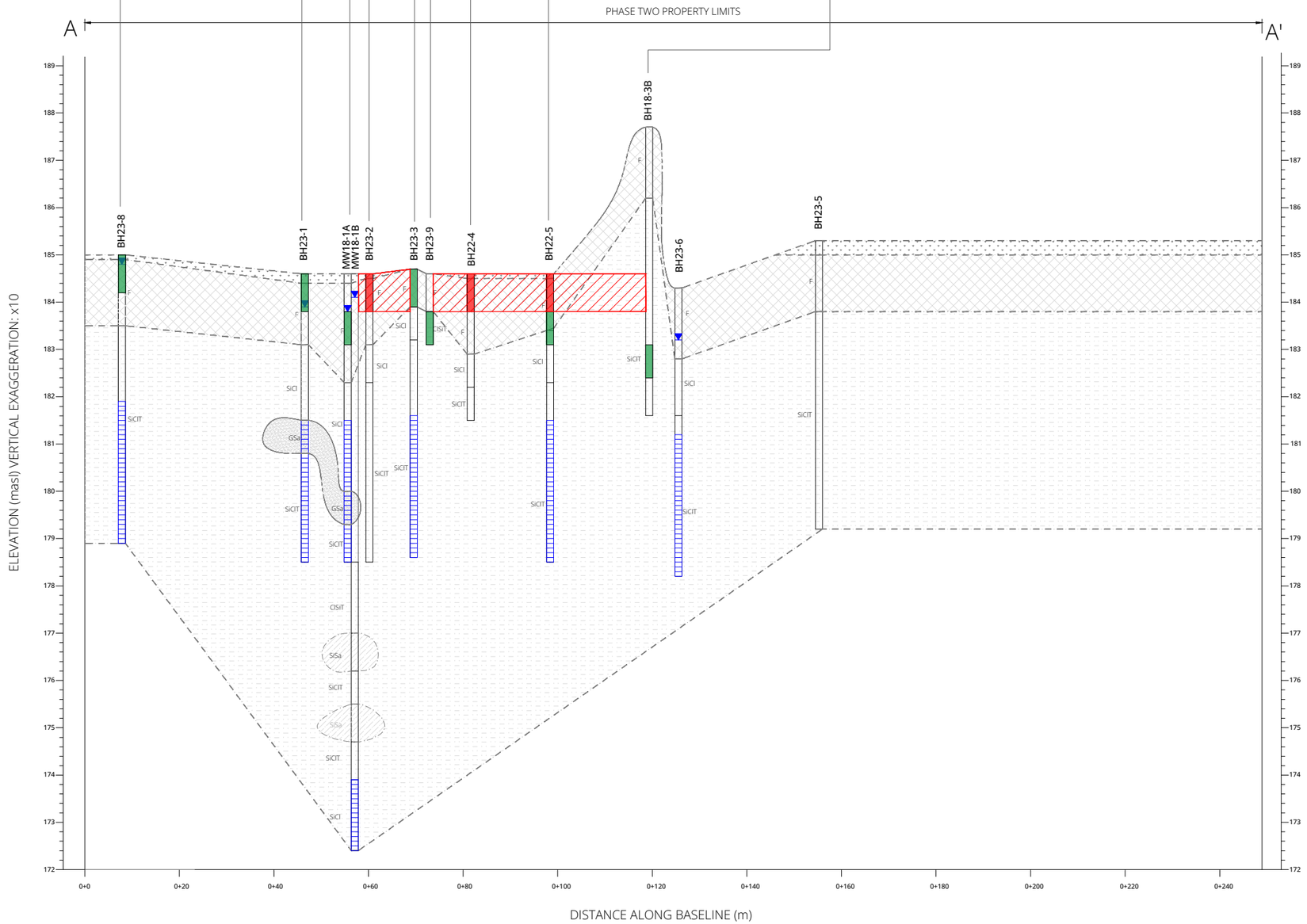
Sample ID	Depth (mbgs)	Parameter	Result 11 Oct 23
BH23-3 SA	0.0 - 0.8	Mercury	<11 SCS

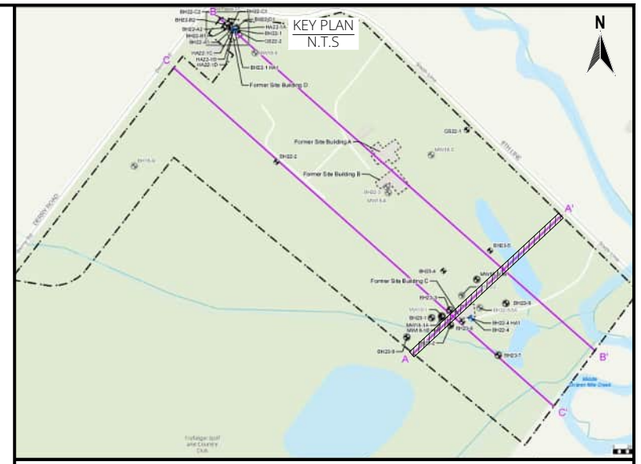
Sample ID	Depth (mbgs)	Parameter	Result 19-Dec-23
BH23-9 SA	0.8 - 1.5	Mercury	<11 SCS

Sample ID	Depth (mbgs)	Parameter	Result 16 Aug 23
BH22-4 A1	0.0 - 0.8	Mercury	2.3

Sample ID	Depth (mbgs)	Parameter	Result 20-Jul-22	Result 11-Oct-23
BH22-5 SA	0.0 - 0.8	Mercury	0.3	-
BH22-5 SB	0.8 - 1.5	Mercury		<0.05

Sample ID	Depth (mbgs)	Parameter	Result 6 Sep 18
BH18-3 SA6	0.8 - 1.5	Mercury	<11 SCS





LEGEND

- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- A____A' CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiCIT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 RPIICC SCS
- CONCENTRATIONS EXCEED THE TABLE 1 RPIICC SCS
- APPROXIMATE EXTENT OF IMPACTS

Notes:
Metals = metals, hydride metals

Parameter	Table 1 RPIICC SCS (µg/g)
Mercury	0.27

TITLE

CROSS SECTION A-A' WITH ORPs IN SOIL

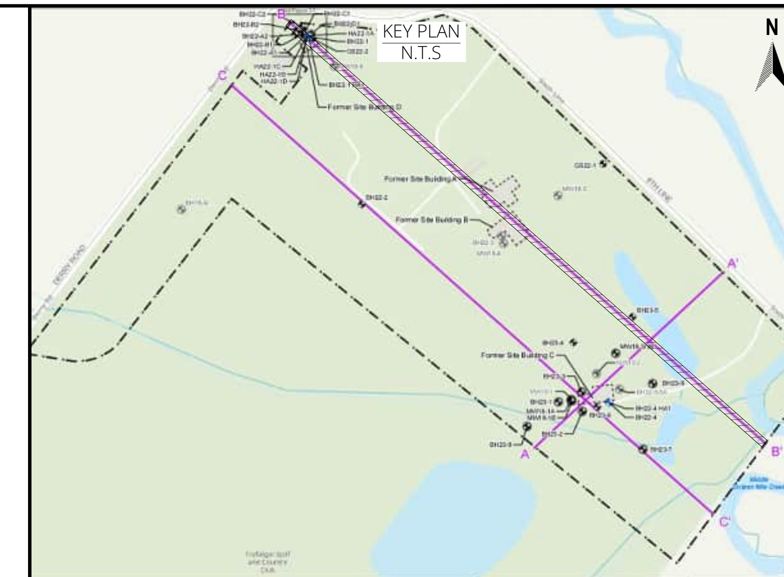
PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

CLIENT

ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	HU	RO	10A



LEGEND

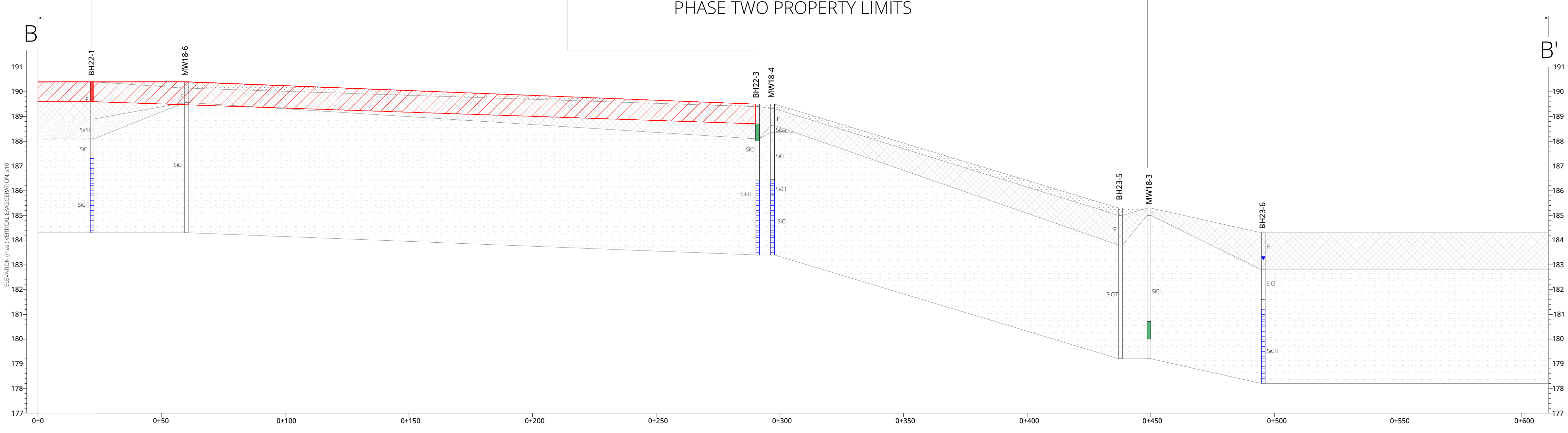
- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiClT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 RPIICC SCS
- CONCENTRATIONS EXCEED THE TABLE 1 RPIICC SCS
- APPROXIMATE EXTENT OF IMPACTS

Sample ID	Depth (mbgs)	Parameter	Result 22-Jul-22
BH22-1 S1A	0.0 - 0.3	Mercury	0.33

Sample ID	Depth (mbgs)	Parameter	Result 22-Jul-22
S22-1	0.0 - 0.8	Mercury	0.41

Sample ID	Depth (mbgs)	Parameter	Result 20-Jul-22
BH22-3 S.B	0.8 - 1.5	Mercury	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 6-Sep-18
MW18-3 SA6	4.6 - 5.3	Mercury	<T1 SCS



Notes:
Metals = metals, hydride metals

Parameter	Table 1 RPIICC SCS (µg/g)
Mercury	0.27

TITLE

CROSS SECTION B-B' WITH ORPs IN SOIL

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

CLIENT

ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2023	HU	RO	10B

Sample ID	Depth (mbgs)	Parameter	Result 20-Jul-22
BH22-3SS	0.0 - [illegible]	Mercury	[illegible]

Sample ID	Depth (mbgs)	Parameter	Result 20-Jul-22
BH 22-2SA	0.0 - 0.8	Mercury	<[illegible]

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
MW18-A&B	0.8 - 1.5	Mercury	<[illegible]

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
BH 23-3SA	0.0 - 0.8	Mercury	<[illegible]

Sample ID	Depth (mbgs)	Parameter	Result 11-Oct-23
BH 23-1SA	0.0 - 0.8	Mercury	0.55

Sample ID	Depth (mbgs)	Parameter	Result 19-Dec-23
BH 23-5/2	0.8 - 1.5	Mercury	<[illegible]

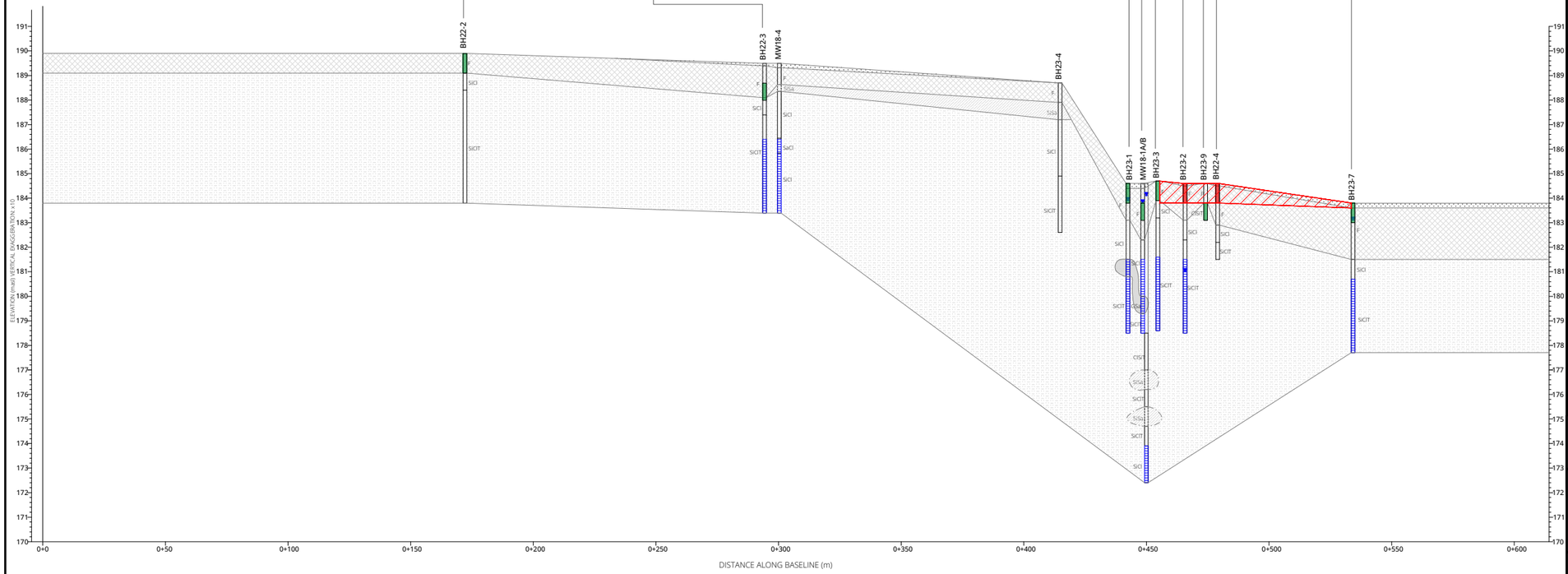
Sample ID	Depth (mbgs)	Parameter	Result 16 Aug 23
BH22-7 A1	0.0 - 0.8	Mercury	7.3

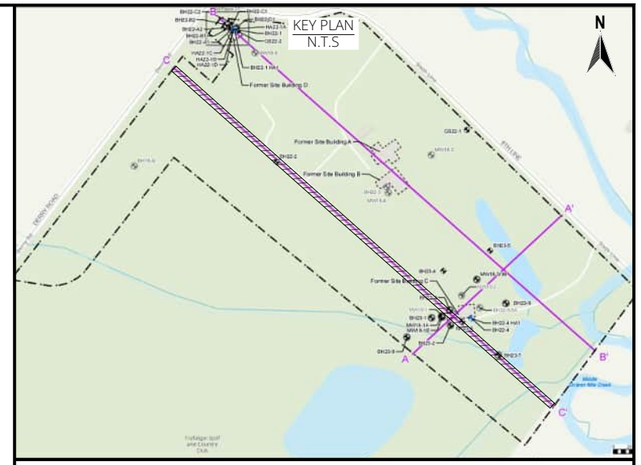
Sample ID	Depth (mbgs)	Parameter	Result 19-Dec-23
BH 23-7 SA	0.0 - 0.8	Mercury	<[illegible]

C

PHASE TWO PROPERTY LIMITS

C'





LEGEND

- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- C____C' CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiCl(T) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 RPIICC SCS
- CONCENTRATIONS EXCEED THE TABLE 1 RPIICC SCS
- APPROXIMATE EXTENT OF IMPACTS

Parameter	Table 1 RPIICC SCS (µg/g)
Mercury	0.27

Notes:
Metals = metals, hydride metals

TITLE

CROSS SECTION C-C' WITH ORPs IN SOIL

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

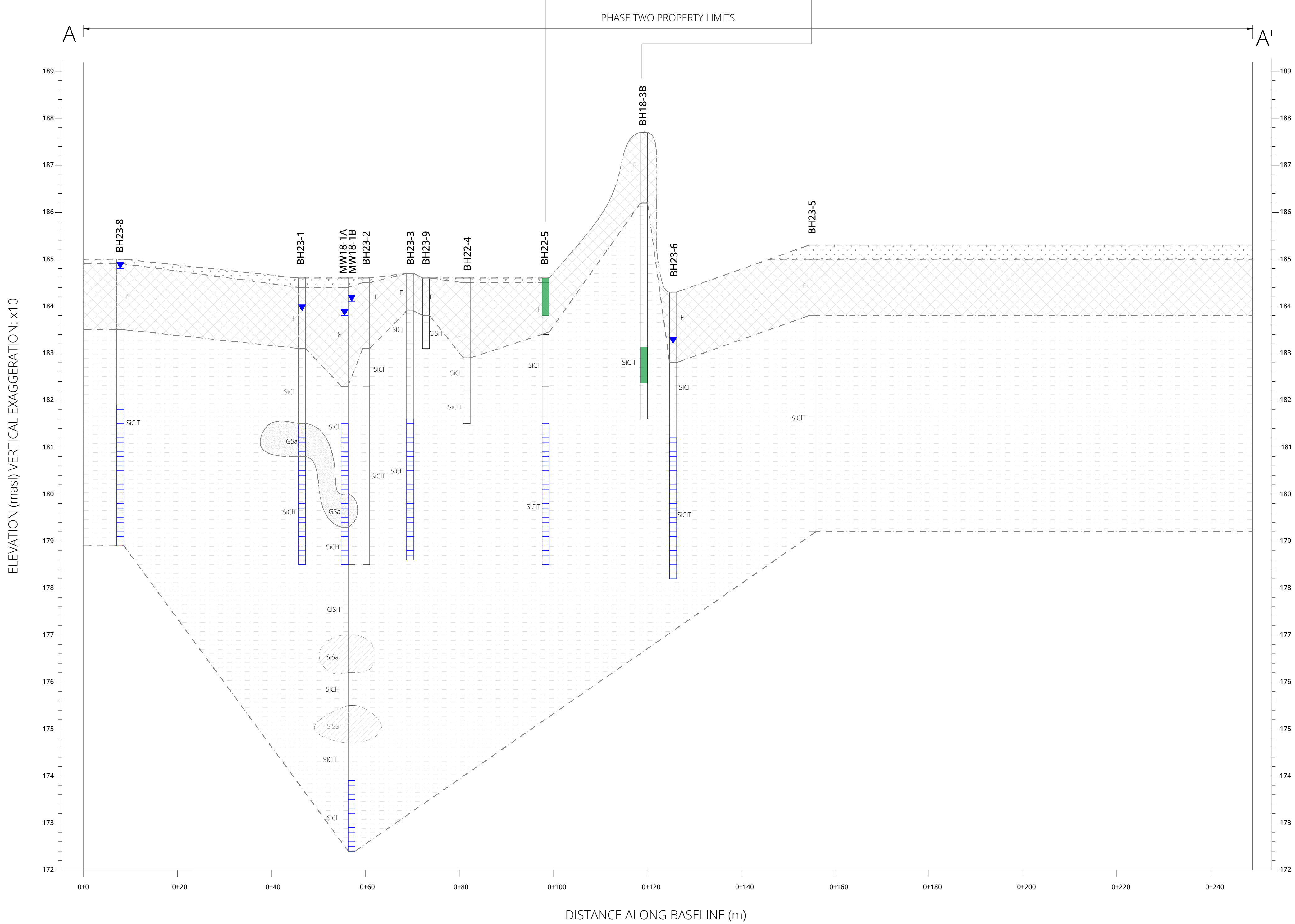
CLIENT

ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2023	HU	RO	10C

Sample ID	Depth (mbgs)	Parameter	Result 3 Aug 22
BH22-5 S1A	0.0 - 0.8	OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 6 Sep 18
BH18-3 SA6	4.57 - 5.33	OCs	<T1 SCS



LEGEND

- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiClT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 RPIICC SCS
- CONCENTRATIONS EXCEED THE TABLE 1 RPIICC SCS
- APPROXIMATE EXTENT OF IMPACTS

Parameter	Table 1 RPIICC SCS (µg/g)
Chlordane	0.05
Heptachlor epoxide	0.05

Notes:
Metals = metals, hydride metals

TITLE

CROSS SECTION A-A' WITH OCs IN SOIL

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

CLIENT

ANATOLIA CAPITAL CORP.

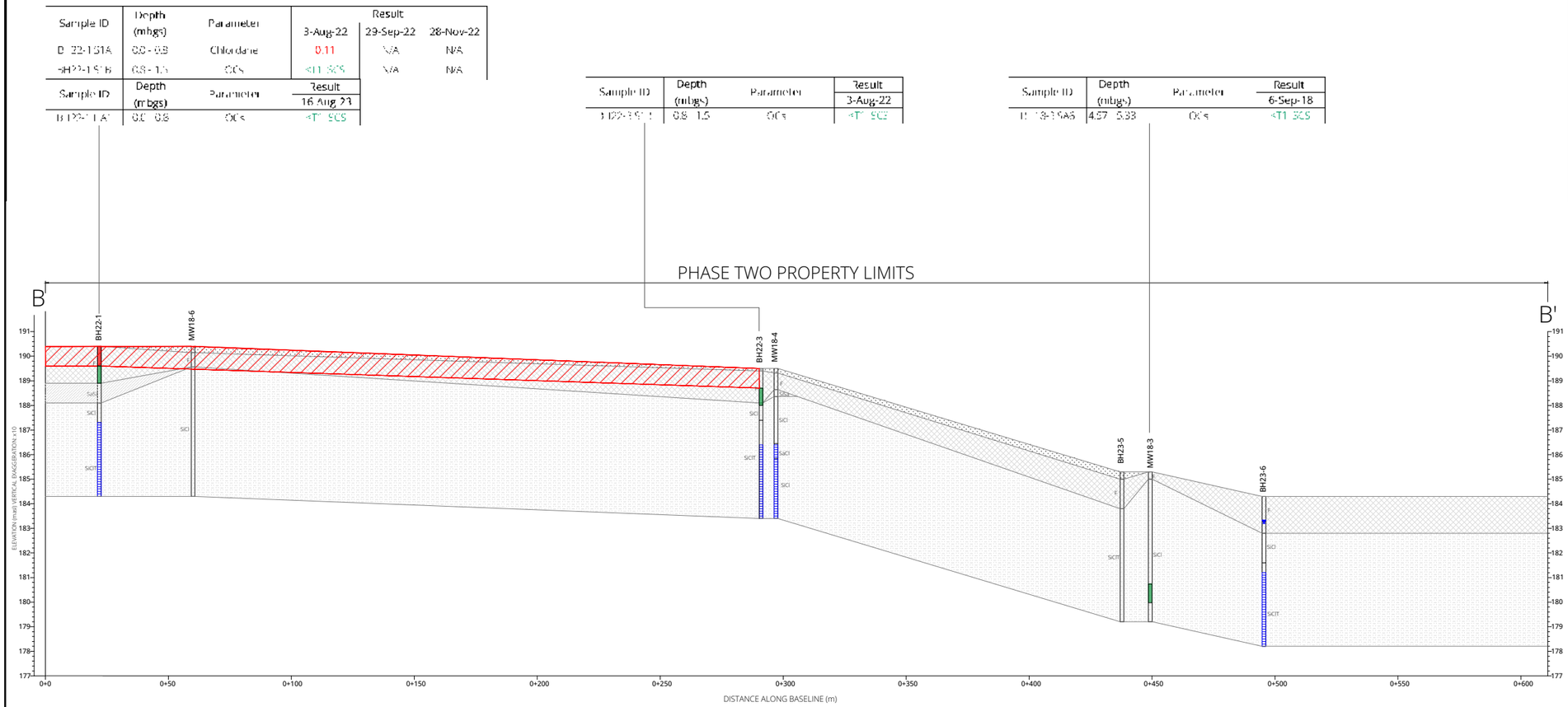
PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	HU	RO	11A

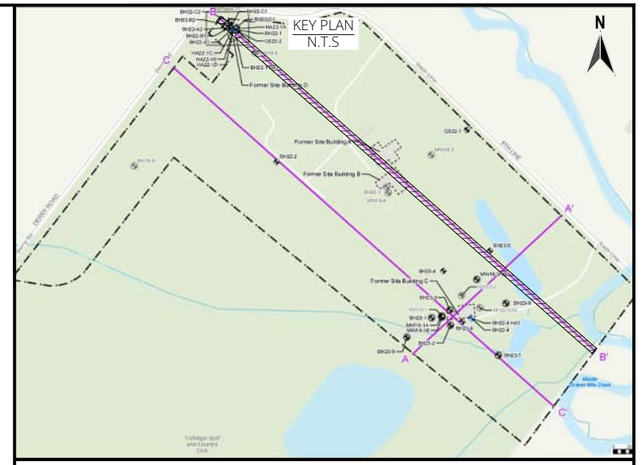
Sample ID	Depth (mbgs)	Parameter	Result		
			3-Aug-22	29-Sep-22	28-Nov-22
D 22-1SA	0.0 - 0.8	Chlordane	0.11	N/A	N/A
BH22-1 S B	0.8 - 1.5	OCs	<T1 SCS	N/A	N/A

Sample ID	Depth (mbgs)	Parameter	Result
			16 Aug 23
D 122-1 A'	0.0 - 0.8	OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			3-Aug-22
D 122-3 S 1	0.8 - 1.5	OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result
			6-Sep-18
D 23-1 SA5	4.57 - 5.33	OCs	<T1 SCS





LEGEND

- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- B____B' CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiClT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 RPIICC SCS
- CONCENTRATIONS EXCEED THE TABLE 1 RPIICC SCS
- APPROXIMATE EXTENT OF IMPACTS

Parameter	Table 1 RPIICC SCS (µg/g)
Chlordane	0.05
Heptachlor epoxide	0.05

Notes:
Metals = metals, hydride metals

TITLE

CROSS SECTION B-B' WITH OCs IN SOIL

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

CLIENT

ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2023	HU	RO	11B

Drafted by: H.U

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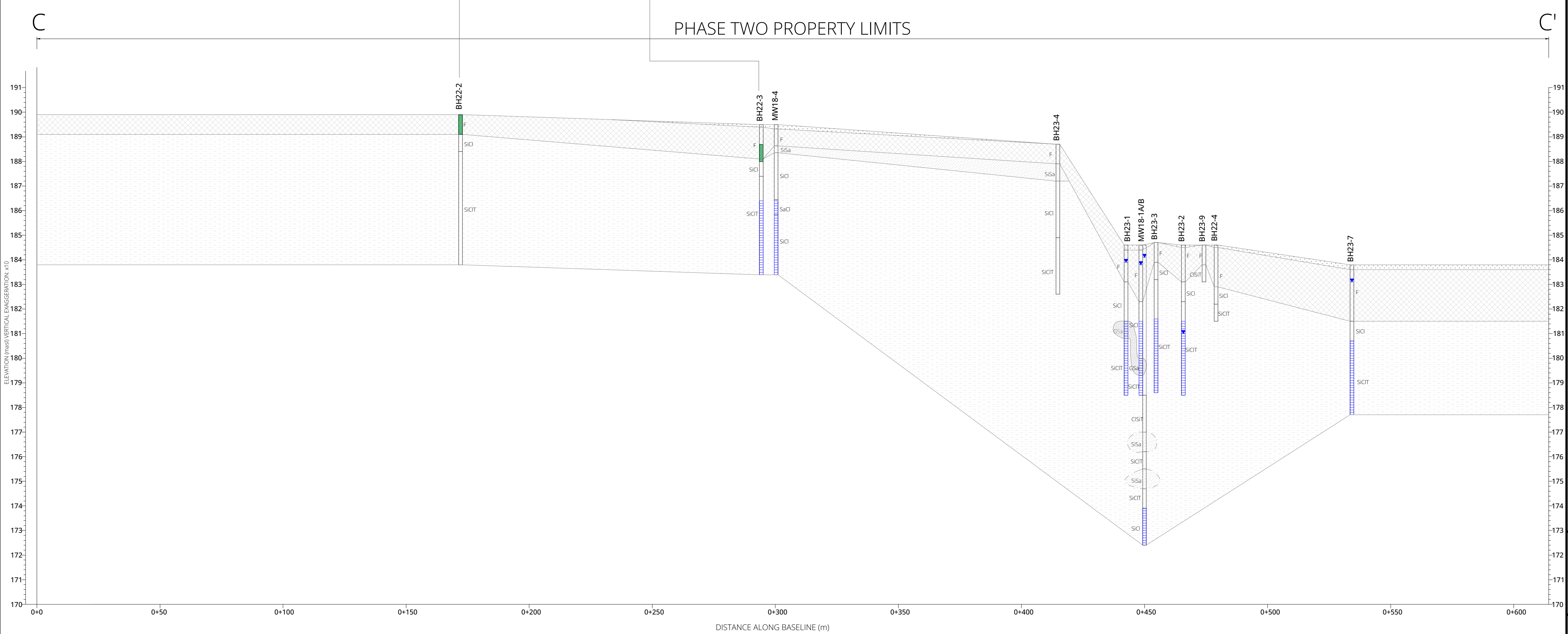
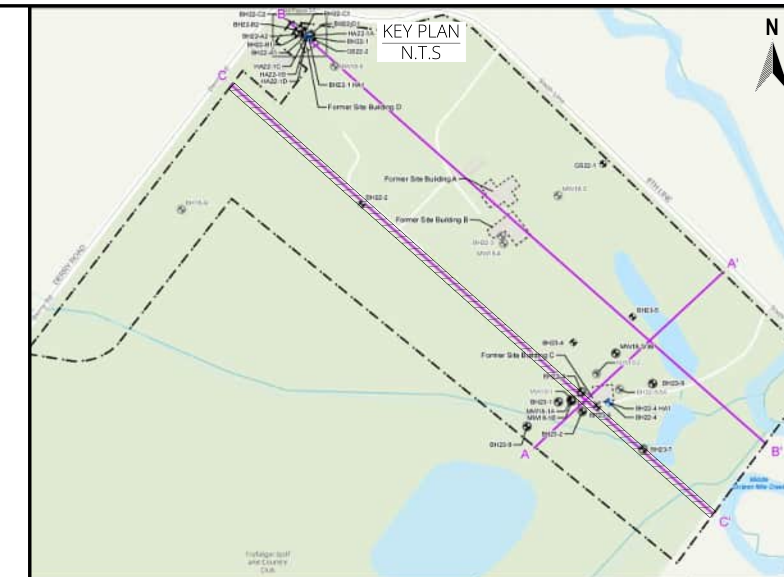
Drafted by: H.U

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22
BH22-3 S1B	0.8 - 1.5	OCs	<T1 SCS

Sample ID	Depth (mbgs)	Parameter	Result 3-Aug-22
BH22-2 S1A	0.0 - 0.8	OCs	<T1 SCS





LEGEND

- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiClT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 RPIICC SCS

Notes:
Metals = metals, hydride metals

Parameter	Table 1 RPIICC SCS (µg/g)
Chlordane	0.05
Heptachlor epoxide	0.05

TITLE

CROSS SECTION C-C' WITH OCs IN SOIL

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

CLIENT

ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2023	HU	RO	11C

Sample ID	Screen (mbgs)	Parameter	Results						
			26 Jul 22	31 Aug 22	14 Sep 22	28 Nov 22	16 Oct 23	26 Oct 23	28 Dec 23
MW18-1A MW18-1B	5.0 - 6.1	Lead	<0.50	<0.50	12	<0.50	<0.10	40.2	<0.50
		Zinc	<2.00	<2	82	<2.00	<2.00	40.2	<2.00
		Molybdenum	100	95	96	82	31	6.3	15

Sample ID	Screen (mbgs)	Parameter	Results			
			16 Oct 23	26 Oct 23	28 Dec 23	28 Dec 23
MW19-1D	10.0 - 12	Molybdenum	30	28	32	32
		Boron	7100	7100	7100	7100
		Nickel	<1.0	19	<1.0	<1.0

Sample ID	Screen (mbgs)	Parameter	Results		
			16 Oct 23	26 Oct 23	8 Jan 24
EH23-	3.0 - 6.1	Molybdenum	29	12	19
		Antimony	1.8	<0.50	<0.50

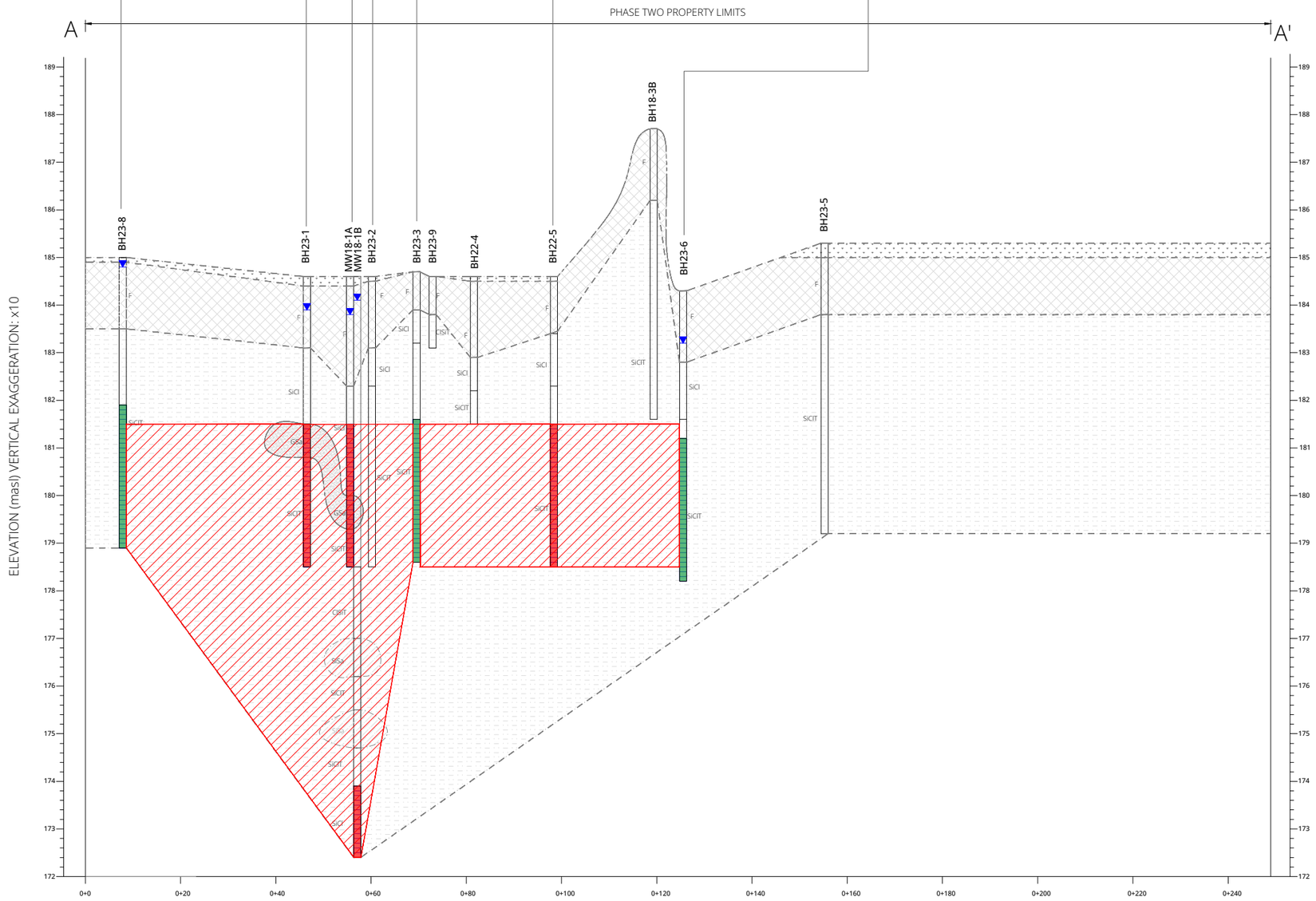
Sample ID	Screen (mbgs)	Parameter	Result
			8 Jan 24
EH23-8	3.0 - 6.1	Metals & ORPs	<T1 SCS

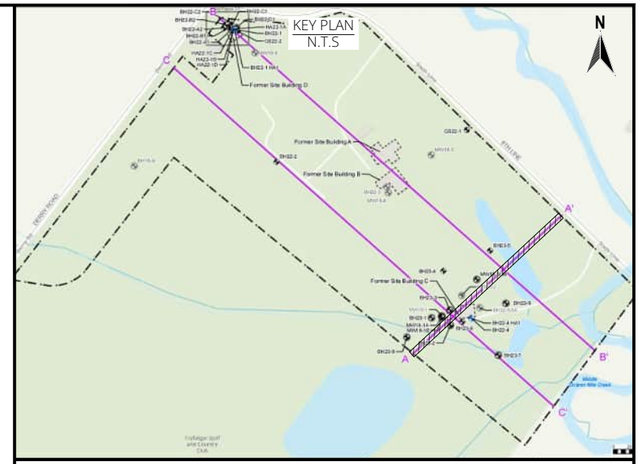
Sample ID	Screen (mbgs)	Parameter	Results		
			16-Oct-23	26-Oct-23	28-Dec-23
EH23-3	3.0 - 6.1	Molybdenum	N/A	120	29
		Boron	N/A	9.5	7.7

Sample ID	Screen (mbgs)	Parameter	Results
			16 Oct 23
BH23-3	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result
			18 Aug 22
BH22-5	3.0 - 6.1	Copper	6.8
		Molybdenum	10

Sample ID	Screen (mbgs)	Parameter	Result
			8 Jan 24
BH23-5	3.0 - 6.1	Metals & ORPs	<T1 SCS





LEGEND

- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- A____A' CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiClT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 SCS
- CONCENTRATIONS EXCEED THE TABLE 1 SCS
- APPROXIMATE EXTENT OF IMPACTS

Parameter	Table 1 SCS (µg/L)
Lead	1.9
Molybdenum	23
Boron	1700
Nickel	14
Antimony	1.5
Uranium	8.9
Copper	5

Notes:
Metals = metals, hydride metals

TITLE

CROSS SECTION A-A' WITH METALS IN GROUNDWATER

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

CLIENT

ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2024	HU	RO	12A

Drafted by: H.U

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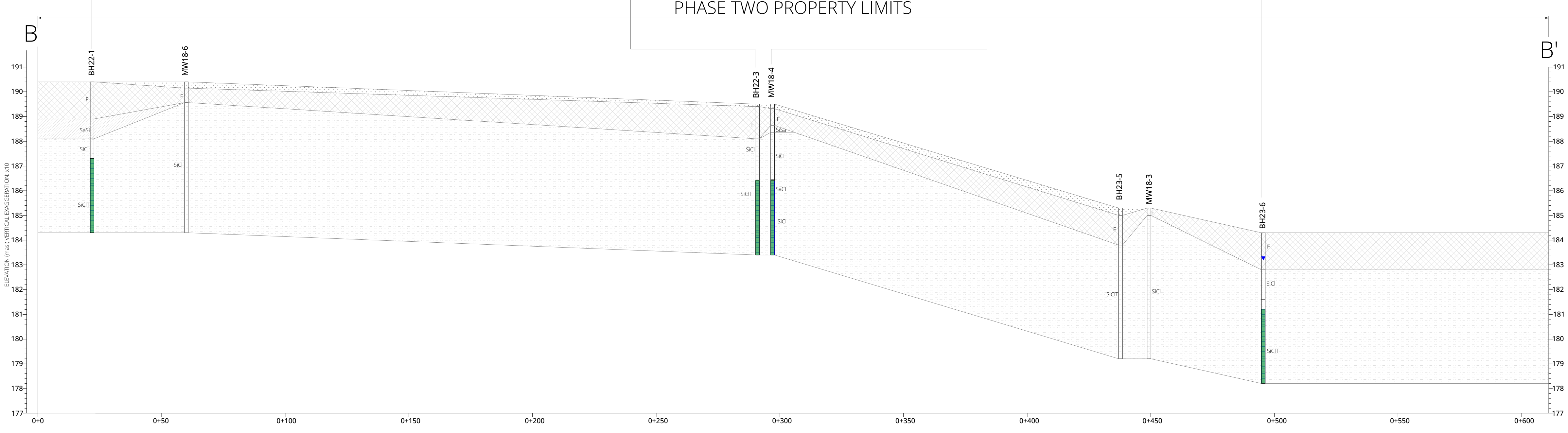
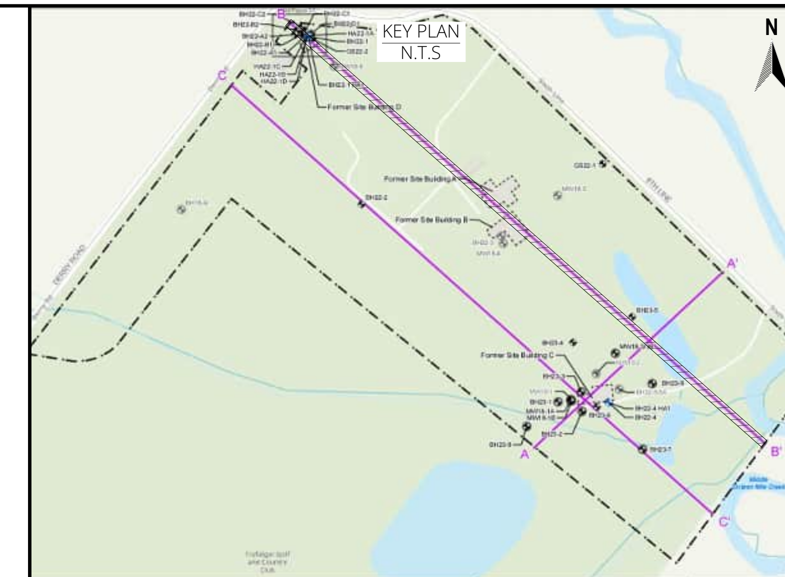
Sample ID	Screen (mbgs)	Parameter	Results 18-Aug-22
BH22-1	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results 4-Aug-22
BH22-3	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results 7-Aug-22
MW18-4	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Result 8-Jan-24
BH23-6	3.0 - 6.1	Metals & ORPs	<T1 SCS





LEGEND

- SECTION AND PLAN VIEW CUT AREA (KEY PLAN)
- CROSS SECTION LINE
- BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)
- BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)
- SITE BOUNDARY
- INFERRED GEOLOGICAL BOUNDARY
- WELL SCREEN
- SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)
- TOPSOIL
- FILL (Fi)
- SAND (Sa) / SAND AND SILT TILL (Sa&SiT)
- SILTY CLAY TILL (SiClT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)
- SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)
- CONCENTRATIONS MEET THE TABLE 1 SCS

Parameter	Table 1 SCS (µg/L)
Lead	1.9
Molybdenum	23
Boron	1700
Nickel	14
Antimony	1.5
Uranium	8.9
Copper	5

Notes:
Metals = metals, hydride metals

TITLE
CROSS SECTION B-B' WITH METALS IN GROUNDWATER

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

CLIENT
ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2023	HU	RO	12B

Sample ID	Screen (mbgs)	Parameter	Results 26-Jul-22	31-Aug-22	14-Sep-22	28-Nov-22	16-Oct-23	26-Oct-23	28-Dec-23
MW18-1/ MW18-1A	2.0 - 6.1	Lead	<0.50	<0.50	12	<0.50	<0.50	<0.50	<0.50
		Copper	<0.90	1.2	8.7	<0.90	<0.90	<0.90	<0.90
		Molybdenum	100	22	19	82	6.1	6.2	6

Sample ID	Screen (mbgs)	Parameter	Results 16-Oct-23	26-Oct-23	28-Dec-23	29-Dec-23
MW18-1B	10.0 - 12	Molybdenum	30	28	32	32
		Boron	2100	2100	2100	2100
		Nickel	<1.0	19	<1.0	<1.0

Sample ID	Screen (mbgs)	Parameter	Results 16-Oct-23	26-Oct-23	28-Dec-23
BH23-2	3.0 - 6.1	Molybdenum	N/A	100	29
		Uranium	N/A	9.5	7.7

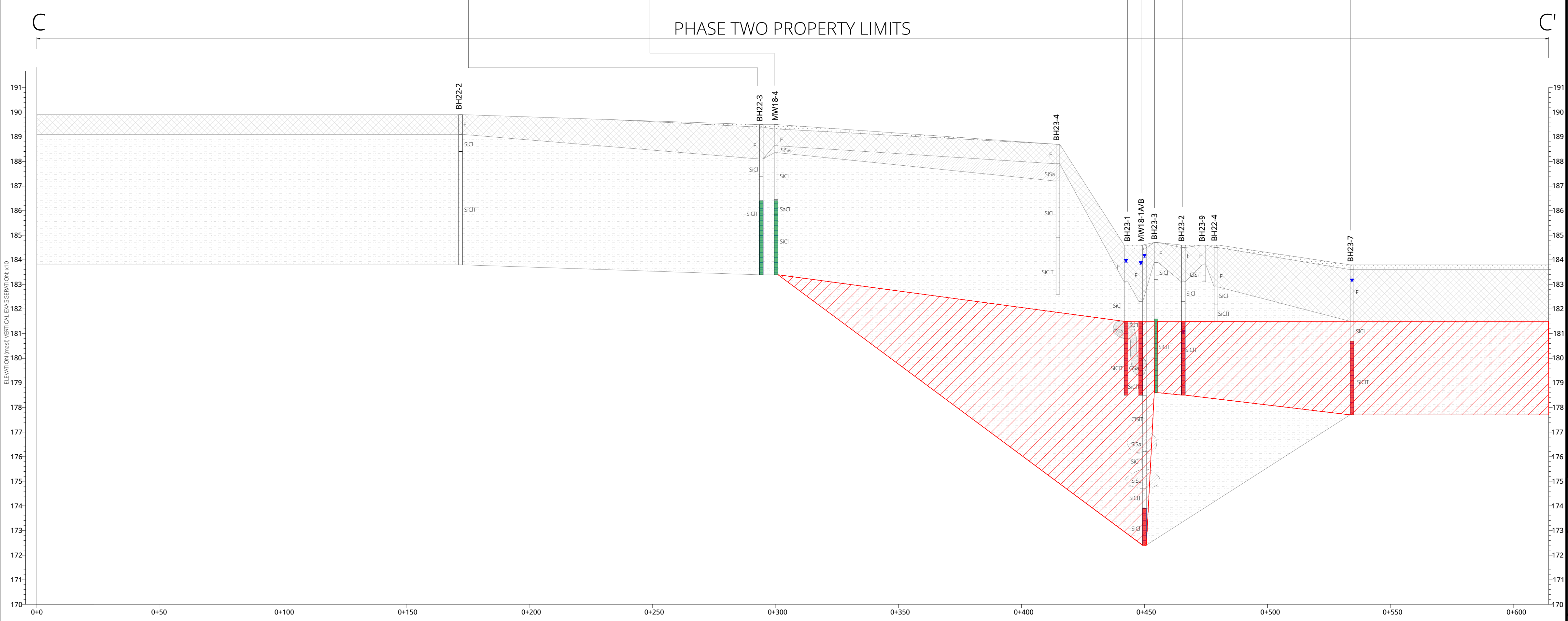
Sample ID	Screen (mbgs)	Parameter	Results 16-Oct-23
BH23-3	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results 4-Aug-22
MW18-4	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results 4-Aug-22
BH22-3	3.0 - 6.1	Metals & ORPs	<T1 SCS

Sample ID	Screen (mbgs)	Parameter	Results 16-Oct-23	26-Oct-23	8-Jan-24
BH23-1	3.0 - 6.1	Molybdenum	29	12	19
		Antimony	1.8	<0.50	<0.50

Sample ID	Screen (mbgs)	Parameter	Result 28-Dec-23
BH23-7	3.0 - 6.1	Molybdenum	29



LEGEND

SECTION AND PLAN VIEW CUT AREA (KEY PLAN)

CROSS SECTION LINE

BOREHOLE AND MONITORING WELL LOCATION (BY OTHERS 2018)

BOREHOLE AND MONITORING WELL LOCATION (BY ENVISION 2023)

SITE BOUNDARY

INFERRED GEOLOGICAL BOUNDARY

WELL SCREEN

SHALLOW (A) GROUNDWATER ELEVATION (DEC. 28, 2023)

TOPSOIL

FILL (Fi)

SAND (Sa) / SAND AND SILT TILL (Sa&SiT)

SILTY CLAY TILL (SiClT) / CLAYEY SILT TILL (ClSiT) / SILTY CLAY (SiCl)

SILTY SAND (SiSa) / SANDY SILT (SaSi) / SILT (Si) / SILTY SAND TILL (SiSaT) / SANDY SILT TILL (SaSiT)

CONCENTRATIONS MEET THE TABLE 1 SCS

CONCENTRATIONS EXCEED THE TABLE 1 SCS

APPROXIMATE EXTENT OF IMPACTS

Parameter	Table 1 SCS (µg/L)
Lead	1.9
Molybdenum	23
Boron	1700
Nickel	14
Antimony	1.5
Uranium	8.9
Copper	5

Notes:
Metals = metals, hydride metals

TITLE
CROSS SECTION C-C' WITH METALS IN GROUNDWATER

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT
6728 SIXTH LINE, MILTON, ONTARIO

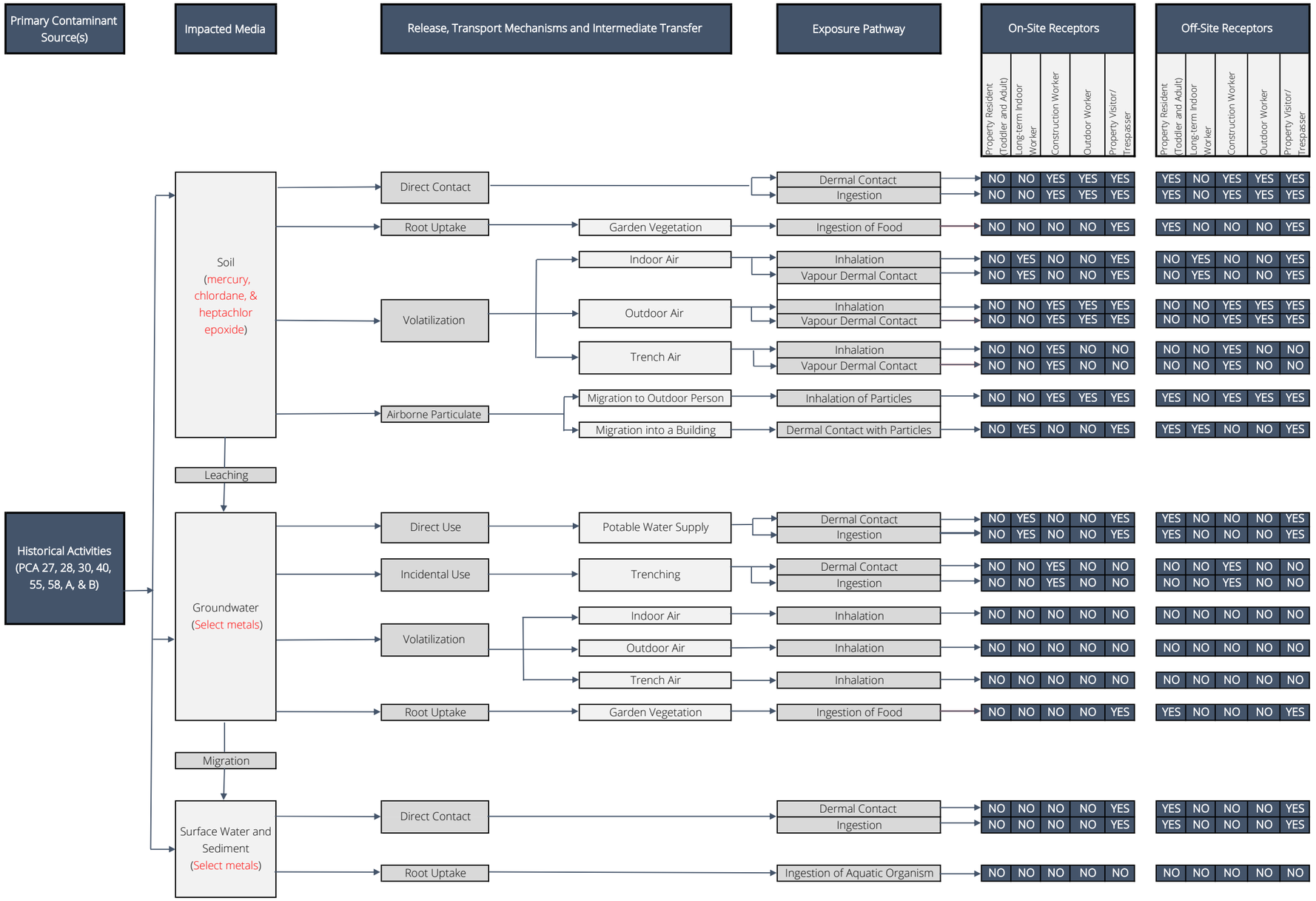
CLIENT
ANATOLIA CAPITAL CORP.

PROJECT NO.	DATE	DESIGNED BY	APPROVED BY	FIGURE
22-0209	JANUARY 2023	HU	RO	12C

Drafted by: H.U

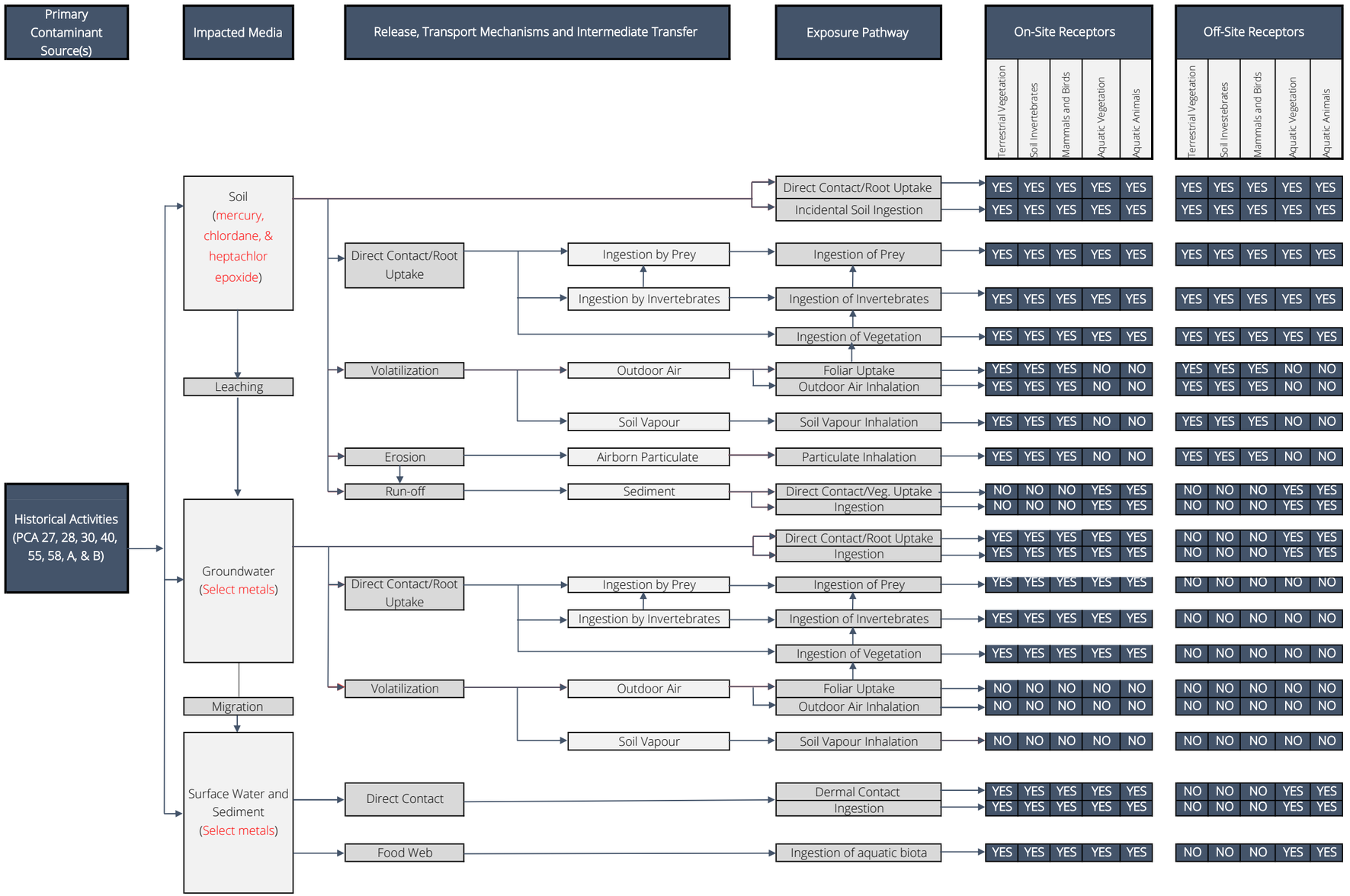
C:\Users\HosenUllah\OneDrive - EnVision Consultants\Documents - EV\02. Projects\05. 2022\22-0209 6728 Sixth Line, Milton\04. Tech Services\02. O.Reg 153 Phase Two ESA\04. Figures\CAD\22-0209-PHII ESA-20240116.dwg

Figure 13: Contaminant Transport Diagram - Human Health Exposure Without Remediation or Risk Management



ENVISION CONSULTANTS LTD	LEGEND: → Pathway considered Yes or No Indicates if a pathway is complete for the receptor PCAs as described in the Phase One ESA	CLIENT: Anatolia Capital Corp. PROJECT: 6728 Sixth Line, Milton, ON	PROJECT NO.: 22-0209 DATE: 18-Jan-24 DESIGNED BY: TW REVIEWED BY: RO

Figure 14: Contaminant Transport Diagram - Ecological Exposure Without Remediation or Risk Management



LEGEND

→ Pathway is complete

Yes or No Indicates if a pathway is complete for the receptor

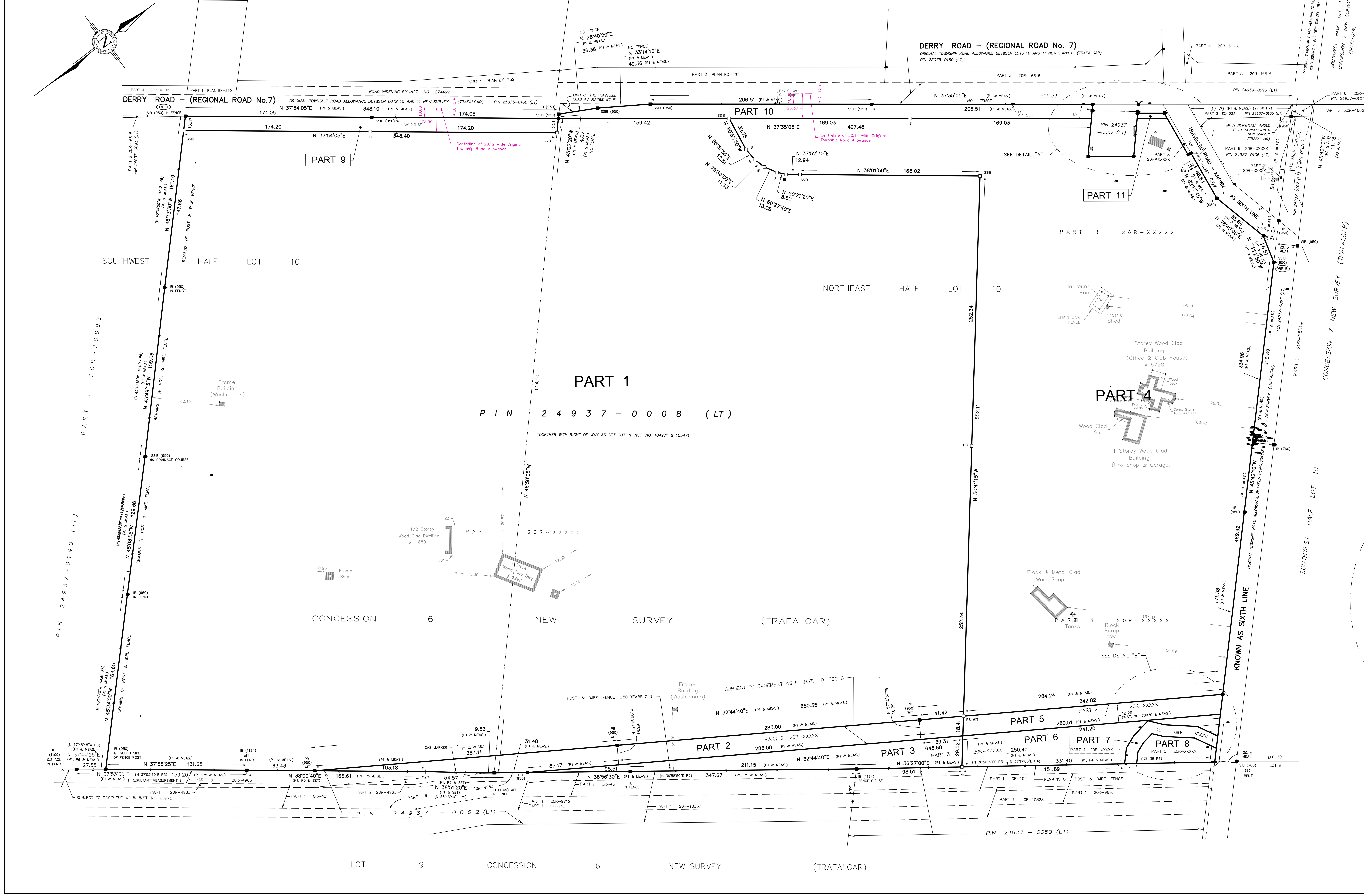
PCAs as described in the Phase One ESA

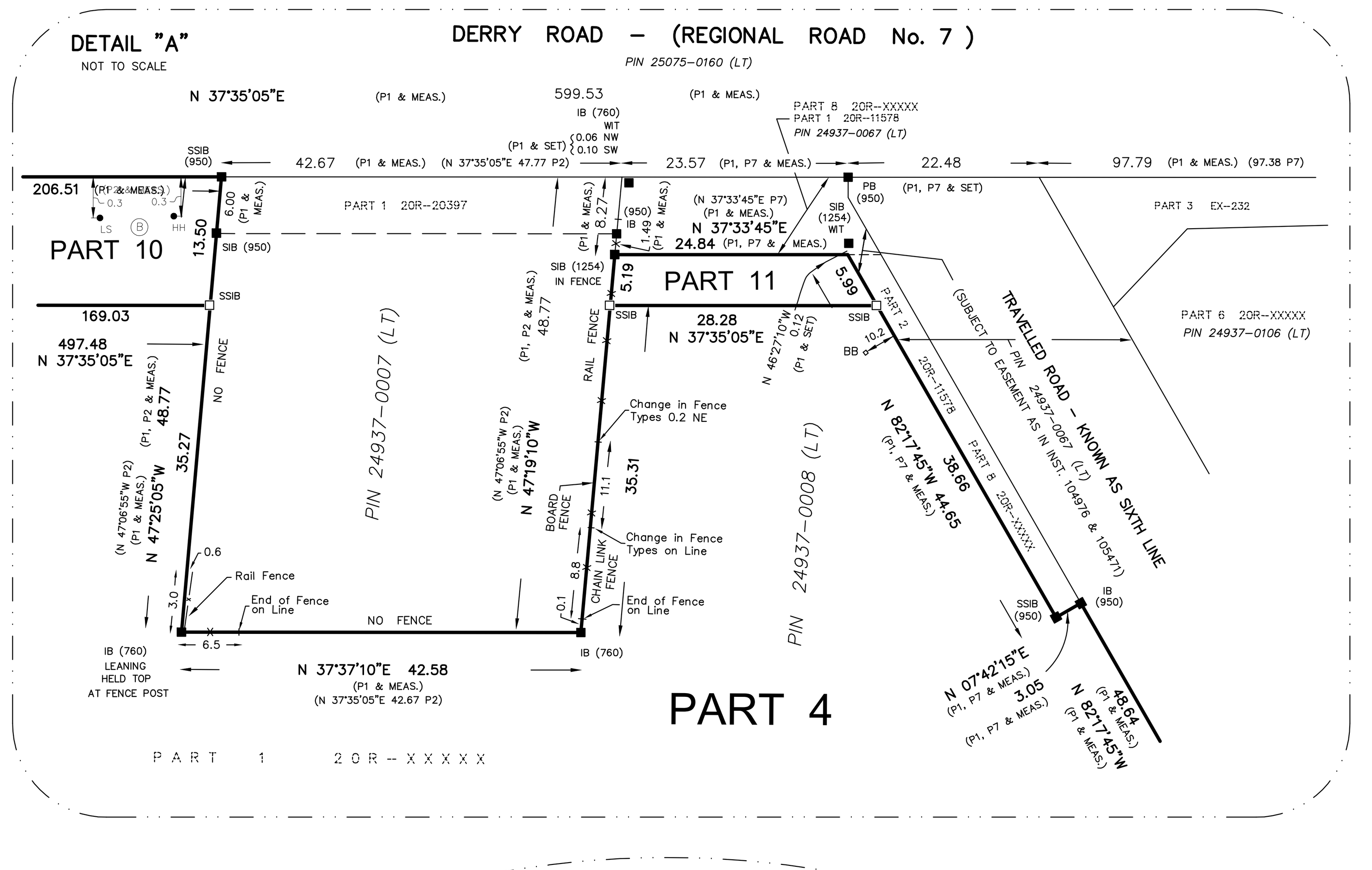
ENVISION CONSULTANTS LTD

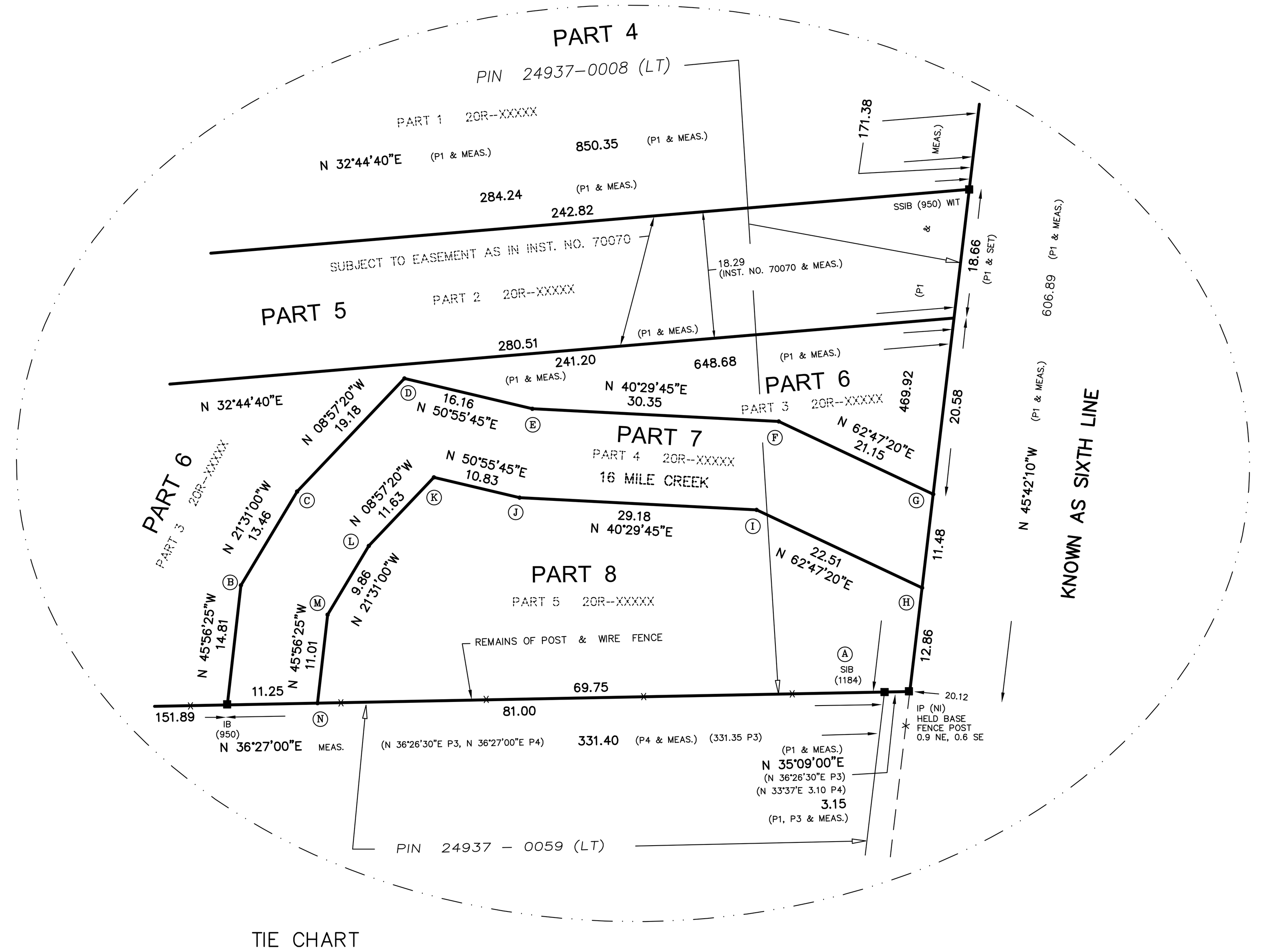
CLIENT:	Anatolia Capital Corp.
PROJECT:	6728 Sixth Line, Milton, ON
PROJECT NO.:	22-0209
DATE:	18-Jan-24
DESIGNED BY:	TW
REVIEWED BY:	RO

APPENDIX A:

Plan of Survey







SCHEDULE

PART	LOT	CONCESSION	AREA	PIN
1	PART OF 10	6 NEW SURVEY (TRAFALGAR)	43.832 HA.	ALL OF 24937–0008 (LT)
2			0.932 SQ. M.	
3			0.601 HA.	
4			14.691 HA.	
5			0.443 HA.	
6			0.599 HA.	
7			0.115 HA.	
8			0.159 HA.	
9			0.469 HA.	
10			0.636 HA.	
11			0.014 HA.	

PARTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 11 COMPRISE ALL OF PIN 24937–0008 (LT)
PARTS 2 & 5 – SUBJECT TO EASEMENT INST. 70070

PLAN OF SURVEY OF

PART OF LOT 10, CONCESSION 6 NEW SURVEY

GEOGRAPHIC TOWNSHIP OF TRAFALGAR

TOWN OF MILTON

REGIONAL MUNICIPALITY OF HALTON

SCALE 1:1500

30 0 30 60 90 metres

GRAPHIC SCALE

CUNNINGHAM McCONNELL LIMITED

ONTARIO LAND SURVEYORS

THE INTENDED PLOT SIZE OF THIS PLAN IS 1300mm IN WIDTH BY 600mm IN HEIGHT AT A SCALE OF 1:1500

METRIC NOTE:

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

LEGEND

■	DENOTES	SURVEY MONUMENT FOUND
□	"	SURVEY MONUMENT SET
SIB	"	STANDARD IRON BAR
SSIB	"	SHORT STANDARD IRON BAR
IB	"	IRON BAR
IP	"	IRON PIPE
NI	"	NO IDENTIFICATION
950	"	CUNNINGHAM McCONNELL LIMITED
PIN	"	PROPERTY IDENTIFIER NUMBER
1254	"	R.E. CLIPSHAM O.L.S.
S.T.E.	"	SUBJECT TO EASEMENT
BB	"	BELL BOX
UP	"	UTILITY POLE
–OW–	"	OVERHEAD WIRE
HH	"	HAND HOLE
LS	"	LIGHT STANDARD
AW	"	ANCHOR WIRE
PWF	"	POST & WIRE FENCE
P1	"	PLAN 20R–XXXXX
P2	"	PLAN BY K.H. McCONNELL O.L.S. DATED DECEMBER 18, 1966
P3	"	PLAN F.G. CUNNINGHAM INC. O.L.S. DATED OCTOBER 29, 1991
P4	"	PLAN OR–104
P5	"	PLAN 20R–4963
P6	"	PLAN 20R–20693
P7	"	PLAN 20R–11578
B	"	0.3 BELOW GROUND LEVEL
1184	"	E. BIASON O.L.S.
AGL	"	ABOVE GROUND LEVEL
1109	"	B.I. McMURCHY O.L.S.
S.T.E.	"	SUBJECT TO EASEMENT

INTEGRATION DATA

BEARINGS ARE UTM GRID, DERIVED FROM OBSERVED REFERENCE POINTS (ORP'S) A AND B, UTM ZONE 17, NAD 83 (CSRS) 2010.

COORDINATES ARE UTM ZONE 17, NAD 83 (CSRS) 2010, TO URBAN ACCURACY PER SEC. 14 (2) OF O.REG. 216/10, AND CANNOT, IN THEMSELVES, BE USED TO RE–ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

ORP	NORTHING	EASTING
A	4821239.54	594794.12
B	4821961.48	595521.25

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99970762.

FENCE NOTE

ALL SURVEYED LIMITS SHOWN HEREON ARE NOT FENCED UNLESS STATED OTHERWISE.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON

DATE: ____________

ROBERT D. McCONNELL
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO THE AOLS PLAN SUBMISSION FORM NUMBER

TIE CHART

POINT A TO POINT	Bearing	Distance
B	N 46°58'35" E	80.39
C	N 56°23'50" E	76.49
D	N 70°40'45" E	70.67
E	N 76°18'15" E	55.73
F	N 73°59'20" W	35.83
G	N 38°38'05" W	25.03
H	N 32°43'05" W	13.71
I	N 87°24'45" W	27.46
J	N 65°41'15" E	50.89
K	N 63°06'50" E	61.43
L	N 53°27'00" E	65.94
M	N 45°32'00" E	69.16
N	N 36°27'00" E	69.75

BEARING COMPARISONS:

FOR THE PURPOSES OF COMPARISONS, PREVIOUS SURVEYS HAVE BEEN ROTATED TO UTM BEARINGS BY THE ANGLES SHOWN BELOW.

PLAN	ROTATION FOR NORTHEAST BEARINGS
P2	– 00°24'55"
P4	– 00°50'00"
P5	– 01°01'30"

..\..\..\..\..\..\..\..\..\Carlson Projects\Blocks\CML_LogoFinal_Horizontal.tif

ONTARIO LAND SURVEYORS

205 MAIN STREET
MILTON, ONTARIO L9T 1N7
PHONE (905) 878–6672
FAX (905) 878–6672
EMAIL: milton.office@cmlsurveyors.ca

1200 SPEERS ROAD, UNIT 38
OAKVILLE, ONTARIO L6L 2X4
PHONE (905) 845–3497
FAX (905) 845–3519
EMAIL: infooak@cmlsuryers.ca

O.L.S. FILE # 107–22–3B

APPENDIX B:

Sampling and Analysis Plan

SAMPLING AND ANALYSIS PLAN

EnVision will conduct a Preliminary Phase Two ESA under the supervision of a QPESA in accordance with O.Reg. 153/04, as amended, for the Site to investigate the environmental soil and groundwater quality at the Site and determine any additional work required to support the filing of the RSC.

The Phase Two ESA will include an intrusive subsurface investigation to assess the APECs identified in EnVision's Phase One ESA, as outlined above. The Phase Two ESA will utilize all five (5) of the boreholes/monitoring wells advanced as part of the investigation. In addition, EnVision will utilize all available on-site monitoring wells, including those installed during the previous investigations, for collection of groundwater samples to support the Phase Two ESA..

The following scope is proposed based on the information in hand:

- Preparation of a Health and Safety Plan to ensure that all work is executed in compliance with the Occupational Health and Safety Act, and associated regulations;
- Completion public utility locates prior to commencement of drilling activities. Further, borehole locations will be cleared by a private utility locator;
- Provision of an environmental technician for the supervision of private locates, drilling activities, management of environmental soil samples, and the completion of groundwater monitoring, purging, and sampling activities;
- Advancement of eleven (11) boreholes to minimum depths of 6.1 and a maximum depth of 12.1 meters below ground surface (mbgs) to collect additional soil samples for chemical analysis. Soil samples will be collected at regular intervals, and field logs will be completed for each sampled borehole. Each sample interval will be numbered and descriptions of the soil colour, texture, consistency, structure and moisture content (based on the Unified Soil Classification System), odour and any signs of impacts will be recorded. Surplus soil cuttings will be temporarily stored in drums on-site;
- Field screening for combustible gas levels will be conducted for all retrieved soil samples with a dual combustible gas detector (CGD) and photoionization detector (PID) as a preliminary screening method for volatile compounds;
- Completion of groundwater monitoring wells by a licensed well driller under O. Reg 903;
- New and select existing on-site monitoring wells will be developed by removing a minimum of three (3) well volumes or until the well runs dry three (3) times. Following well development, pH, conductivity, and temperature will be measured and recorded to ensure that representative water is being drawn from the well prior to collection of groundwater samples. Purge water will be stored on-site in drums and properly disposed of according to the findings of the analytical results; and,
- An elevation survey will be completed for on-site monitoring wells using a remote GPS. Groundwater levels will be collected at available monitoring wells to determine groundwater elevations and direction of groundwater flow.

Soil and groundwater sampling will be carried out in accordance with EnVision's Standard Operating Procedures (SOPs) and will be collected, stored, and transported under proper chain of custody

procedures. Sample identification, project number, and date will be recorded on all sample containers. Blind duplicate samples will be collected and submitted for chemical analyses for a minimum of 10% of soil and groundwater samples.

Following the completion of field activities, soil and groundwater samples will be submitted for select analyses of COPCs, including metals and other regulated parameters (ORPs) petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene, and xylenes (BTEX), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCs). The following provisional program is proposed:

SOIL

- Sixteen (16) soil samples for metals and ORPs;
- Eleven (11) soil samples for PHCs and BTEX;
- Seven (7) soil samples for VOCs;
- Seven (7) soil samples for PAHs;
- Twenty-seven (27) soil samples for OCs;
- Fifteen (15) soil samples for PCBs; and,
- Five (5) soil samples for quality assurance and quality control (QA/QC) purposes (four (4) blind field duplicates and one (1) trip blank).

GROUNDWATER

- Twenty (20) groundwater samples for metals & ORPs;
- Nine (9) groundwater samples for PHCs and BTEX
- Eight (8) groundwater samples for VOCs;
- Three (2) groundwater samples for OCs and PCBs;
- Five (5) groundwater samples for QA/QC purposes (Three (3) blind field duplicates and two (2) trip blank).

The chemical analyses will be conducted by an analytical laboratory that is a member of the Canadian Association for Laboratory Accreditation (CALA). Analytical data will be evaluated through comparison to the applicable Site Condition Standards (SCS) presented in the MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (April 2011). Upon receipt of the results of the above-noted chemical analysis, EnVision will contact the Client to discuss the preliminary findings and determine whether additional testing of samples would be prudent at this time prior to the expiration of hold times for the soil samples obtained during this investigation.

APPENDIX C:

Finalized Field Logs

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH22-1

PROJECT: Environmental Consulting Services - Phase Two ESA
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corp.
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 sixth Line, Milton, Ontario
Diameter: 152mm
ORIGINATED BY KH
DATUM: Geodetic
Date: Jul/20/2022 to Jul/20/2022
COMPILED BY FL
BH LOCATION: N 4821951.142 E 595365.575
CHECKED BY SL

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS / 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm)	Soil Head Space Vapors CGD (ppm)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT; WATER CONTENT (%)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
190.4	Ground Surface							10 20 30 40	10 20 30 40	10 20 30			
0.0	**FILL:** sandy silt, trace gravel, trace clay, trace rootlets, brown, moist.		1A	S			Concrete						Metals & ORPs OCs
			1B	S			190						PHCs & BTEX PAHs OCs
188.9							Bentonite						
1.5	**SANDY SILT:** trace clay, brown, moist.		2A	S									
188.1							188						
2.3	**SILTY CLAY:** trace sand, occasional gravel, brownish grey, moist.		2B	S			Sand						
187.4													
3.1	**SILTY CLAY TILL:** sandy, trace gravel, brownish grey, moist.		3A	S			187						3 25 52 20
							W. L. 186.9 m Aug 08, 2022						
			3B	S			186						
							Screen						PHCs & BTEX
			4A	S									
	containing silty sand /sandy silt lenses below 5.3m		4B	S			185						VOCs
184.3													
6.1	**END OF BOREHOLE**												

Notes:
1) 50mm dia. monitoring well was installed upon completion of drilling, screened from 3.05m to 6.10m.

Water Level Readings:

Dtae	W.L. Depth (m)
July 26, 2022	Dry
Aug. 8, 2022	3.58

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: +3, ×3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION-SOIL-ROCK-OCTOBER-12-2021.GLB
ENVIRO PID(PPM) AND CGD(PPM)-2016-ROZ 22-0209.GPJ 8/15/22

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH22-2

PROJECT: Environmental Consulting Services - Phase Two ESA
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corp.
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 sixth Line, Milton, Ontario
Diameter: 152mm
ORIGINATED BY KH
DATUM: Geodetic
Date: Jul/20/2022 to Jul/20/2022
COMPILED BY FL
BH LOCATION: N 4821786.948 E 595417.955
CHECKED BY SL

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: "N" BLOWS / 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors: PID (ppm)	Soil Head Space Vapors: CGD (ppm)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT; WATER CONTENT (%)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
189.9	Ground Surface												
189.8 0.1	**ASPHALT:** 25mm												Metals & ORPs OCs
189.8 0.1	**GRANULAR:** 100mm, gravelly silty sand, trace clay, brown, moist.		1A	S									
189.1 0.8	**FILL:** silty clay, trace sand, trace gravel, brown, moist.												
1	**SILTY CLAY:** trace sand, brown, moist.		1B	S			189						PHCs & BTEX PAHs
188.4 1.5	**SILTY CLAY TILL:** sandy, trace gravel, brown to brownish grey, moist.		2A	S			188						
2	brownish grey below 2.3m		2B	S			187						
3	containing silty sand pockets below 3.0m		3A	S				210					PHCs & BTEX
4			3B	S			186						
	containing silty sand lenses from 4.6m to 5.3m		4A	S			185						
5			4B	S									VOCs
183.8 6.1	**END OF BOREHOLE**						184						
6													

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^{3}$, $\times^{3}$: Numbers refer to Sensitivity; $\circ^{6}$=3% Strain at Failure

ENVISION-SOIL-ROCK-OCTOBER-12-2021.GLB
ENVIRO PID(PPM) AND CGD(PPM)-2016-ROZ 22-0209.GPJ 8/15/22

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH22-3

PROJECT: Environmental Consulting Services - Phase Two ESA
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corp.
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 sixth Line, Milton, Ontario
Diameter: 152mm
ORIGINATED BY KH
DATUM: Geodetic
Date: Jul/20/2022 to Jul/20/2022
COMPILED BY FL
BH LOCATION: N 4821757.72 E 595552.758
CHECKED BY SL

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
189.5	Ground Surface												
189.4 / 0.1	**GRANULAR:** 50mm sand and gravel, brown, moist.						Concrete						PHCs & BTEX PAHs
	FILL: silty sand, trace gravel, trace clay, trace organics, dark brown to brown, moist.		1A	S			189						
1			1B	S									Metals & ORPs OCs
188.1							Bentonite						
1.4	**SILTY CLAY:** trace sand, brown, moist.		2A	S			188						
2 / 187.4							W. L. 187.6 m Aug 08, 2022						
2.1	**SILTY CLAY TILL:** trace to some sand, trace gravel, brownish grey, moist.		2B	S			187						
3	sandy below 3.0m		3A	S			Sand						PHCs & BTEX
	200mm thickness of sand at 3.6m						186						
4			3B	S			Screen						
5			4A	S									VOCs
			4B	S			184						7 28 46 19
6 / 183.4													
6.1	**END OF BOREHOLE**												

Notes:
1) 50mm dia. monitoring well was installed upon completion of drilling, screened from 3.05m to 6.10m.

Water Level Readings:

Dtae	W.L. Depth (m)
July 26, 2022	1.96
Aug. 8, 2022	1.89

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: +3, ×3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH22-4

PROJECT: Environmental Consulting Services - Phase Two ESA
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corp.
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 sixth Line, Milton, Ontario
Diameter: 152mm
ORIGINATED BY MC
DATUM: Geodetic
Date: Jul/26/2022 to Jul/26/2022
COMPILED BY FL
BH LOCATION: N 4821597.537 E 595656.969
CHECKED BY SL

ELEV / DEPTH (m)	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	BLOWS / 0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors: PID (ppm) 10 20 30 40	Soil Head Space Vapors: CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L — WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
190.1	Ground Surface												
190.0 0.1	**CONCRETE:** 75mm						190						Metals & ORPs PAHs
189.8 0.3	**GRANULAR:** 200mm, crushed stone, light grey, moist.		1A	S									
	FILL: silty clay, trace sand, trace organics, dark grey, moist.		1B	S									PHCs & BTEX
1							189						
188.4			2A	S									
1.7	**SILTY CLAY:** trace sand, containing wet sandy silt seams, brown, moist.		2B	S			188						PHCs & BTEX
2													
187.6													
2.4	**SILTY CLAY TILL:** sandy, trace gravel, containing wet sand lenses, brownish grey, moist.		3A	S									VOCs
3 187.0													
3.1	**END OF BOREHOLE**												

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION-SOIL-ROCK-OCTOBER-12-2021.GLB
ENVIRO PID(PPM) AND CGD(PPM)-2016-ROZ 22-0209.GPJ 8/15/22

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH22-5

PROJECT: Environmental Consulting Services - Phase Two ESA
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corp.
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 sixth Line, Milton, Ontario
Diameter: 152mm
ORIGINATED BY KH
DATUM: Geodetic
Date: Jul/21/2022 to Jul/21/2022
COMPILED BY FL
BH LOCATION: N 4821608.056 E 595666.301
CHECKED BY SL

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
184.6	Ground Surface												
184.5 0.1	**FILL:** sand and gravel, brown, moist.						Concrete						Metals & ORPs OCs
	FILL: silty clay, trace sand, trace organics, dark grey, moist.		1A	S			184						
1 183.4			1B	S									PHCs & BTEX PAHs
1.2	**SILTY CLAY:** trace sand, brown to greyish brown, moist.						Bentonite 183						
2 182.3			2A	S									
2.3	**SILTY CLAY TILL:** sandy, trace gravel, brown to brownish grey, moist.		2B	S			182 Sand						
3	brownish grey below 3.0m		3A	S			181						PHCs & BTEX
4			3B	S									11 29 43 17
	containing wet sandy silt seams at 4.6m						Screen						
5			4A	S			W. L. 179.5 m Aug 08, 2022						VOCs
			4B	S			179						
6 178.5													
6.1	**END OF BOREHOLE**												

Notes:
1) 50mm dia. monitoring well was installed upon completion of drilling, screened from 3.05m to 6.10m.

Water Level Readings:

Dtae	W.L. Depth (m)
July 26, 2022	Dry
Aug. 8, 2022	5.11

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^3$, $\times^3$: Numbers refer to Sensitivity; $\circ^{\varepsilon=3\%}$ Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH22-5A

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA/RK
DATUM: Geodetic
Date: Oct-12-2023 to Oct-12-2023
COMPILED BY PD
BH LOCATION: N 4821607.156 E 595667.618
Equipment: GIP Geoprobe

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors						REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	BLOWS 0.3 m "N"			PID (ppm) 10 20 30 40	CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)		GR SA SI CL
184.5 Ground Surface														
0.0	**FILL:** 203mm of sand and gravel, underlain by clayey silt, some sand, brownish grey, moist		1A	S			184							
183.7			1B											
0.8	**FILL:** clayey silt to silty clay, some sand, some oxidation, brownish grey, moist													
183.0							183							
1.5	**END OF BOREHOLE:**													

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^3$, $\times^3$: Numbers refer to Sensitivity; $\circ^{\varepsilon=3\%}$ Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE GS22-1

PROJECT: Environmental Consulting Services - Phase Two ESA
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corp.
Method: Hand Augers
ENCL NO.:
PROJECT LOCATION: 6728 sixth Line, Milton, Ontario
Diameter: 152mm
ORIGINATED BY KH
DATUM: Geodetic
Date: Jul/20/2022 to Jul/20/2022
COMPILED BY FL
BH LOCATION:
CHECKED BY SL

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors			POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	"N" BLOWS / 0.3 m			PID (ppm) 10 20 30 40	CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P — NATURAL MOISTURE CONTENT W — LIQUID LIMIT W_L; WATER CONTENT (%) 10 20 30			GR SA SI CL
	Ground Surface												
0.0	**TOPSOIL:** 150mm												PHCs & BTEX
0.2	**FILL:** sand, some silt, trace clay, brown, moist.		1	GS									PAHs PCBs
0.5	**END OF BOREHOLE**												

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

ENVISION-SOIL-ROCK-OCTOBER-12-2021.GLB
ENVIRO PID(PPM) AND CGD(PPM)-2016-ROZ 22-0209.GPJ 8/15/22

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-1

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA/RK
DATUM: Geodetic
Date: Oct-11-2023 to Oct-11-2023
COMPILED BY PD
BH LOCATION: N 4821595.858 E 595607.729
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS "N" 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT w_P / NATURAL MOISTURE CONTENT w / LIQUID LIMIT w_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
184.6	Ground Surface												
0.0 / 184.4	**TOPSOIL:** 203 mm						Monument Casings						
0.2	**FILL:** clayey silt to silty clay, some sand, trace gravel, brownish grey, moist		1A	S			184						
1	trace oxidation		1B				W. L. 183.9 m Dec 28, 2023						
183.1							W. L. 183.4 m Oct 16, 2023						
1.5	**SILTY CLAY:** trace to some sand, trace gravel, greyish brown, wet to moist		2A	S			183						
2			2B				182						
3 / 181.5							Sand						
3.1	**GRAVELLY SAND:** with some silty clay, grey, wet to saturated		3A	S			181						
180.8													
3.8	**SILTY CLAY TILL:** some sand and gravel, grey, moist		3B										
4							Screen						
5			4A	S									
			4B				179						
6 / 178.5													
6.1	**END OF BOREHOLE:**												

Notes:
1) 50 mm dia. monitoring well installed upon completion of drilling, screened from 3.05 m to 6.10 m.

Water Level Readings:

Date	W.L.Depth (m)
Oct 16, 2023	1.2
Oct 26, 2023	1.2
Dec 28, 2023	0.7

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^{3}$, $\times^{3}$: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-2

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA/RK
DATUM: Geodetic
Date: Oct-11-2023 to Oct-11-2023
COMPILED BY PD
BH LOCATION: N 4821586.643 E 595630.967
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P NATURAL MOISTURE CONTENT W LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
184.6	Ground Surface												
184.6	**ASPHALT:** 127 mm						Monument Casings						
0.1	**FILL:** sand and gravel, underlain by silty clay to clayey silt, some sand, trace gravel, dark brown, moist		1A	S									
183.9							184						
0.8	**FILL:** silty clay, some sand, some gravel, reddish dark brown, moist		1B										
183.1							Bentonite						
1.5	**SILTY CLAY:** some sand, trace gravel, greyish brownish red, moist		2A	S			183						
182.3													
2.3	**SILTY CLAY TILL:** some sand, some gravel, grey to greyish red, moist to wet		2B				182						
	saturated						Sand						
			3A	S			W. L. 181.0 m Dec 28, 2023						
	moist		3B										
							Screen						
			4A	S									
			4B				179						
178.5							W. L. 178.7 m Oct 26, 2023						
6.1	**END OF BOREHOLE:**												

Notes:
1) 50 mm dia. monitoring well installed upon completion of drilling, screened from 3.05 m to 6.10 m.

Water Level Readings:

Date	W.L.Depth (m)
Oct 26, 2023	5.9
Dec 28, 2023	3.6

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^{3}$, $\times^{3}$: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-3

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA/RK
DATUM: Geodetic
Date: Oct-11-2023 to Oct-12-2023
COMPILED BY PD
BH LOCATION: N 4821605.507 E 595630.184
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
184.7	Ground Surface												
0.0	**FILL:** 203 mm of sand and gravel, underlain by clayey silt to silty clay, some sand, some gravel, brown, moist		1A	S			Monument Casings						
184.0							184						
0.8	**SILTY CLAY:** trace sand, some gravel, brown, moist		1B										
183.2						▽	Bentonite						
1.5	**SILTY CLAY TILL:** trace sand, some gravel, grey, moist						W. L. 183.2 m Oct 16, 2023						
			2A	S									
			2B				182						
							Sand						
			3A	S									
	with sand seams, moist to wet		3B				181						
	trace to some sand and gravel						Screen						
			4A	S			180						
			4B				179						
178.6													
6.1	**END OF BOREHOLE:**												

Notes:
1) 50 mm dia. monitoring well installed upon completion of drilling, screened from 3.05 m to 6.10 m.

Water Level Readings:
Date W.L.Depth (m)
Oct 16, 2023 1.5

GROUNDWATER ELEVATIONS
Measurement 1st ▽ 2nd ▼ 3rd ▼ 4th ▼

GRAPH NOTES: $+^{3}$, $\times^{3}$: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-4

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA
DATUM: Geodetic
Date: Dec-19-2023 to Dec-19-2023
COMPILED BY CS
BH LOCATION: N 4821653.564 E 595621.942
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT w_P / NATURAL MOISTURE CONTENT w / LIQUID LIMIT w_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
188.7	Ground Surface												
0.0	**FILL:** silty sand, trace clay, some gravel, some organics, brown, moist		1A	S									Metals & ORPs
188.0							188						
0.8	**SILTY SAND:** with clay, trace gravel, brownish grey, saturated to wet		1B										on hold
187.2							187						
1.5	**SILTY CLAY:** some sand, brown, moist		2A	S									
	trace gravel brownish grey		2B				186						
	some sand, some oxidation, grey		3A	S									
184.9							185						
3.8	**SILTY CLAY TILL:** some sand seam layers, some gravel, grey, moist		3B										
	trace sand, some rock fragments, moist, reddish grey		4A	S			184						BTEX PHCs F1-F4
			4B				183						
182.6													
6.1	**END OF BOREHOLE:**												

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^3$, $\times^3$: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-5

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA
DATUM: Geodetic
Date: Dec-19-2023 to Dec-19-2023
COMPILED BY CS
BH LOCATION: N 4821678.415 E 595679.535
Equipment: GIP Geoprobe

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors		PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	BLOWS 0.3 m "N"			PID (ppm)	CGD (ppm)	W_P W W_L WATER CONTENT (%)			GR SA SI CL
185.3 Ground Surface								10 20 30 40	10 20 30 40	10 20 30			
0.0 185.0	**TOPSOIL:** 250mm						185						
0.3	**FILL:** clayey silt, some sand, some gravel, brown, moist		1A	S									
1			1B				184						
183.7													
1.5	**SILTY CLAY TILL:** some to trace sand, some gravel, brownish red, moist		2A	S									
2			2B				183						
3	greyish red		3A	S			182						
4	trace gravel		3B				181						
	wet to saturated		4A	S									BTEX PHCs F1-F4
5	some silty sand seams		4B				180						
6 179.2													
6.1	**END OF BOREHOLE:**												

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^{3}$, $\times^{3}$: Numbers refer to Sensitivity; $\circ^{6}$ 6=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-6

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA
DATUM: Geodetic
Date: Dec-19-2023 to Dec-19-2023
COMPILED BY CS
BH LOCATION: N 4821613.626 E 595699.114
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS "N" 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm)	Soil Head Space Vapors CGD (ppm)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT; WATER CONTENT (%)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
184.3	Ground Surface							10 20 30 40	10 20 30 40	10 20 30			
0.0	**FILL:** sand and gravel, trace clayey silt, dark brown, moist		1A	S			Monument Casings						
183.5							184						
0.8	**FILL:** clayey silt, some sand, some gravel, some organic straining, dark brown, moist		1B				W. L. 183.2 m Dec 28, 2023						
182.7							Bentonite						
1.5	**SILTY CLAY:** some sand, trace gravel, some oxidation, greyish brown, wet to saturated		2A	S			182						
181.5			2B										
2.7	**SILTY CLAY TILL:** trace to some sand, some gravel, greyish red, moist						Sand						
	some rock fragment, saturated		3A	S			181						
	moist to wet		3B				180						BTEX PHCs F1-F4
							Screen						
			4A	S			179						
178.2			4B										
6.1	**END OF BOREHOLE:**												

Notes:
1) 50 mm dia. monitoring well installed upon completion of drilling, screened from 3.05 m to 6.10 m.

Water Level Readings:

Date	W.L.Depth (m)
Dec 28, 2023	1.1

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

ENVISION-SOIL-ROCK-APRIL 5-2022.GLB
ENVIRO PID(PPM) AND CGD(PPM)-2016-802 22-0209 - JAN 12, 2024 - CS.GPJ 24-1-12

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-7

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA
DATUM: Geodetic
Date: Dec-19-2023 to Dec-19-2023
COMPILED BY CS
BH LOCATION: N 4821549.747 E 595689.657
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS 0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors: PID (ppm)	Soil Head Space Vapors: CGD (ppm)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT; WATER CONTENT (%)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
183.8	Ground Surface							10 20 30 40	10 20 30 40	10 20 30			
0.0 / 183.6	**TOPSOIL:** 230mm						Monument Casings						Metals & ORPs
0.2	**FILL:** clayey silt some sand, trace gravel, brown, moist		1A	S									
	organic staning, moist to wet		1B				W. L. 183.1 m Dec 28, 2023						on hold
1 / 182.3							Bentonite						
1.5	**FILL:** silty sand with clayey silt, some oxidation, some gravel, brown, moist to wet		2A	S			182						
2 / 181.5													
2.3	**SILTY CLAY:** some sand, trace to some gravel, reddish grey, moist		2B				181						
3 / 180.8							Sand						
3.1	**SILTY CLAY TILL:** trace sand, some gravel, trace rock fragments, reddish grey, moist		3A	S									
4			3B				180						
	wet to saturated						Screen						
5			4A	S			179						
			4B										
6 / 177.7							178						
6.1	**END OF BOREHOLE:**												

Notes:
1) 50 mm dia. monitoring well installed upon completion of drilling, screened from 3.05 m to 6.10 m.

Water Level Readings:

Date	W.L.Depth (m)
Dec 28, 2023	0.7

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: +³, ×³: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-8

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA
DATUM: Geodetic
Date: Dec-19-2023 to Dec-19-2023
COMPILED BY CS
BH LOCATION: N 4821571.945 E 595577.106
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS "N" 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
185.0	Ground Surface												
184.8 / 0.1	**TOPSOIL:** 130mm					Monument Casings							Metals & ORPs
	FILL: clayey silt, some sand, trace gravel, some oxidation, brownish grey, moist		1A	S		W. L. 184.8 m Dec 28, 2023							
			1B				184						on hold
183.4 / 1.5	**SILTY CLAY TILL:** with sand seams, some gravel and rock fragments, greyish red,					Bentonite							
			2A	S			183						
			2B										
						Sand							
			3A	S									
	saturated		3B				181						
						Screen							
			4A	S			180						
	moist		4B										
178.9 / 6.1	**END OF BOREHOLE:**						179						

Notes:
1) 50 mm dia. monitoring well installed upon completion of drilling, screened from 3.05 m to 6.10 m.

Water Level Readings:

Date	W.L.Depth (m)
Dec 28, 2023	0.2

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: + 3, × 3: Numbers refer to Sensitivity; ○ 6 ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE BH23-9

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA
DATUM: Geodetic
Date: Dec-19-2023 to Dec-19-2023
COMPILED BY CS
BH LOCATION: N 4821602.116 E 595644.519
Equipment: GIP Geoprobe

SOIL PROFILE			SAMPLES			GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors				POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%)
(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	NUMBER	TYPE	BLOWS 0.3 m "N"			PID (ppm) 10 20 30 40	CGD (ppm) 10 20 30 40	PLASTIC LIMIT w_P — NATURAL MOISTURE CONTENT w — LIQUID LIMIT w_L; WATER CONTENT (%) 10 20 30				GR SA SI CL
184.6 Ground Surface														
0.0	**FILL:** clayey silt, some sand, some gravel, trace dark brown organic staining, brownish red, moist		1A	S			184							
183.8														
0.8	**CLAYEY SILT TILL:** some sand, some gravel, brownish red, moist		1B											Metals & ORPs
183.0														
1.5	**END OF BOREHOLE:**													

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE MW18-1A

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA/RK
DATUM: Geodetic
Date: Oct-11-2023 to Oct-11-2023
COMPILED BY PD
BH LOCATION: N 4821597.581 E 595620.041
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS 0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
184.6	Ground Surface												
0.0 / 184.4	**TOPSOIL:** 203 mm						Monument Casings						
0.2	**FILL:** clayey silt to silty clay, trace to some sand, some gravel, greyish brown. moist		1A	S			184						
1	brown		1B				W. L. 183.8 m Dec 28, 2023						
							W. L. 183.3 m Oct 16, 2023						
2	brownish red		2A				183						
182.3													
2.3	**SILTY CLAY Till:** trace sand, trace gravel, greyish red, moist		2B	S			182						
3							Sand						
			3A				181						
4			3B	S									
180.1							Screen						
4.6	**GRAVELLY SAND:** some silty clay, grey, wet to saturated		4A										
5				S									
179.3													
5.3	**SILTY CLAY Till:** trace sand, some gravel, brownish greyish red, moist		4B				179						
6 178.5													
6.1	**END OF BOREHOLE**												

Notes:
1) 50 mm dia. monitoring well installed upon completion of drilling, screened from 3.05 m to 6.10 m.

Water Level Readings:

Date	W.L.Depth (m)
Oct 16, 2023	1.3
Oct 26, 2023	1.3
Dec 28, 2023	0.8

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES: $+^{3}$, $\times^{3}$: Numbers refer to Sensitivity; $\circ^{\varepsilon=3\%}$ Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE MW18-1B

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA/RK
DATUM: Geodetic
Date: Oct-12-2023 to Oct-12-2023
COMPILED BY PD
BH LOCATION: N 4821596.573 E 595620.453
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
184.6	Ground Surface												
0.0	Refer to MW18-1A for soil stratigraphy					Monument Casings							
						W. L. 184.0 m Dec 28, 2023 W. L. 183.7 m Oct 26, 2023 W. L. 183.4 m Oct 16, 2023	183						
							182						
							181						
						Bentonite	180						
178.5							179						
6.1	**CLAYEY SILT TILL:** some sand, some gravel, brownish grey, moist		1A	S			178						
177.0			1B				177						
7.6	**SILTY SAND:** with some clay, grey, wet to saturated		2A	S			176						
176.3													
8.4	**SILTY CLAY Till:** some sand to trace sand seams, some gravel, grey, moist		2B				175						
175.5													
9.1	**SILTY SAND:** some clay, trace gravel, grey, wet to saturated		3A	S									
174.7													

Continued Next Page

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE MW18-1B

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA/RK
DATUM: Geodetic
Date: Oct-12-2023 to Oct-12-2023
COMPILED BY PD
BH LOCATION: N 4821596.573 E 595620.453
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES "N" BLOWS 0.3 m	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors PID (ppm) 10 20 30 40	Soil Head Space Vapors CGD (ppm) 10 20 30 40	PLASTIC LIMIT W_P / NATURAL MOISTURE CONTENT W / LIQUID LIMIT W_L WATER CONTENT (%) 10 20 30	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
	Continued												
9.9 / 174.0	**SILTY CLAY TILL:** some sand, some gravel, red, wet to saturated(Continued)		3B				Sand 174						
10.7 / 173.8	**SILTY CLAY:** trace gravel, trace sand, red, wet to saturated		4	S			Screen 173						No sample collected, drill rig refusal
12.2 / 172.5	**END OF BOREHOLE:**												

Notes:
1) 50 mm dia. monitoring well was installed upon completion of drilling, screened from 10.67 m to 12.19 m.

Water Level Readings:

Date	W.L.Depth (m)
Oct 16, 2023	1.2
Oct 26, 2023	0.9
Dec 23, 2023	0.6

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES + 3, × 3: Numbers refer to Sensitivity; ○ ε=3% Strain at Failure

ENVISION CONSULTANTS LTD

LOG OF BOREHOLE MW18-3B

PROJECT: 6728 Sixth Line, Milton
REF. NO.: 22-0209
CLIENT: Anatolia Capital Corporation
Method: Direct Push
ENCL NO.:
PROJECT LOCATION: 6728 Sixth Line, Milton
Diameter: 152 mm
ORIGINATED BY RA
DATUM: Geodetic
Date: Dec-19-2023 to Dec-19-2023
COMPILED BY CS
BH LOCATION: N 4821642.799 E 595663.038
Equipment: GIP Geoprobe

(m) ELEV / DEPTH	DESCRIPTION	STRATA PLOT	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS 0.3 m "N"	GROUND WATER CONDITIONS	ELEVATION	Soil Head Space Vapors: PID (ppm)	Soil Head Space Vapors: CGD (ppm)	PLASTIC LIMIT / NATURAL MOISTURE CONTENT / LIQUID LIMIT; WATER CONTENT (%)	POCKET PEN. (Cu) (kPa)	NATURAL UNIT WT (kN/m³)	REMARKS AND GRAIN SIZE DISTRIBUTION (%) GR SA SI CL
187.7	Ground Surface												
0.0	**FILL:** clayey silt, some sand, trace to some gravel, brownish olive, moist,		1A	S			187						
186.1			1B										
1.5	**SILTY CLAY TILL:** some sand, some gravel, brown, moist		2A	S			186						
	greyish red		2B				185						
			3A	S									
			3B				184						
			4A	S			183						BTEX PHCs F1-F4 PAHs
			4B				182						BTEX PHCs F1-F4
181.6													
6.1	**END OF BOREHOLE:**												

PID (ppm) scale: 10 20 30 40
CGD (ppm) scale: 10 20 30 40
WATER CONTENT (%) scale: 10 20 30

GROUNDWATER ELEVATIONS
Measurement 1st 2nd 3rd 4th

GRAPH NOTES
+ 3, × 3: Numbers refer to Sensitivity
○ 6 =3% Strain at Failure

ENVISION-SOIL-ROCK-APRIL 5-2022.GLB
ENVIRO PID(PPM) AND CGD(PPM)-2016-802 22-0209 - JAN 12, 2024 - CS.GPJ 24-1-12

PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-1

BORING DATE: August 27, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp — W — Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE								
0	Direct Push; 100 mm O.D. Solid Stem Augers	FILL - (CL) SILTY CLAY, trace sand, trace gravel; dark brown and grey; cohesive, w<PL		0.00	1			ND		Concrete
1					2			ND		
2		(CL) SILTY CLAY, some to trace sand, trace gravel; dark brown to grey; cohesive, w~PL		1.52	3			ND		Bentonite
					4			ND		
3		(CL) SILTY CLAY, trace gravel; dark brown; cohesive, w>PL, stiff		3.05	5			ND		Sand
4		(CL) SILTY CLAY, trace gravel; dark brown; cohesive, w~PL, stiff		3.76	6			ND		
		(CL) SILTY CLAY, trace gravel; dark brown/grey; cohesive, w>PL, stiff		4.57	7			□ ⊕	PHC BTEX VOC	Screen
5										
6										August 27, 2018
		END OF BOREHOLE		6.10						
7		NOTE: 1. Water level measured at a depth of about 5.77 m below ground surface on August 27, 2018. PHC - Petroleum Hydrocarbon F1-F4 VOC - Volatile Organic Compounds BTEX - Benzene, Toluene, Ethylbenzene and Xylene								
8										
9										
10										

DEPTH SCALE

1 : 50

GOLDER

LOGGED: JC

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-2

BORING DATE: August 22, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ ND = Not Detected (100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ ND = Not Detected (100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT Wp W Wl (10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE									
0	Direct Push, 100 mm O.D. Solid Stem Augers	FILL - (SM) SILTY SAND, trace gravel; brown; non-cohesive, moist		0.00	1			⊕ ND			Concrete
		(CL) SILTY CLAY, trace sand, trace gravel; dark brown; cohesive, w<PL		0.46	2			⊕ ND			August 27, 2018
1											
		(CL) SILTY CLAY, trace sand, trace gravel; brown and dark brown; cohesive, w~PL		1.52	3			⊕ ND			Bentonite
2					4			⊕ ND			
		(CL) SILTY CLAY, some sand, trace gravel; dark brown; cohesive, w>PL		3.05	5			□ ⊕		PHC BTEX VOC	Sand
3											
		(CL) SILTY CLAY, trace gravel; dark brown; cohesive, w>PL		3.66	6			⊕ ND			
4											
		(CL) SILTY CLAY, trace gravel; dark brown; cohesive, w~PL		4.57	7			⊕			Screen
5					8			⊕ ND			
6		END OF BOREHOLE		6.10							
		NOTE:									
7		1. Water level measured at a depth of about 0.66 m below ground surface on August 27, 2018.									
		PHC - Petroleum Hydrocarbon F1-F4 VOC - Volatile Organic Compounds BTEX - Benzene, Toluene, Ethylbenzene and Xylene									
8											
9											
10											

DEPTH SCALE

1 : 50

GOLDER

LOGGED: JC

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-3

BORING DATE: August 27, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ ND = Not Detected (100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ ND = Not Detected (100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT Wp W Wl (10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE									
0	Direct Push; 100 mm O.D. Solid Stem Augers	FILL - (SW) SILTY SAND, some gravel; dark brown to light brown; non-cohesive, moist		0.00	1						Concrete
		(CL) SILTY CLAY, trace sand, trace gravel; dark brown/grey; cohesive, w<PL		0.30	2			ND			August 27, 2018
1											
		(CL) SILTY CLAY, trace sand, trace gravel; brown with orange; cohesive, w~PL		1.52	3			ND			Bentonite
2		(CL) SILTY CLAY, trace gravel; brown; cohesive, w~PL		2.03	4						
3		(CL) SILTY CLAY, trace gravel; brown and burgundy; cohesive, w~PL		3.05	5						Sand
4											
		(CL) SILTY CLAY; brown and grey; cohesive, w>PL - Sand and gravel layer from 4.6 m to 4.9 m		4.57	6			□ ⊕			Screen
5		(CL) SILTY CLAY, trace gravel; grey; cohesive, w~PL		5.33	7					PHC BTEX VOC OCP M&I	
6		END OF BOREHOLE		6.10							
		NOTE: 1. Water level measured at a depth of about 0.65 m below ground surface on August 27, 2018.									
7		PHC - Petroleum Hydrocarbon F1-F4 VOC - Volatile Organic Compounds BTEX - Benzene, Toluene, Ethylbenzene and Xylene OCP - Organochloro Pesticides M&I - Metals and inorganics									
8											
9											
10											

DEPTH SCALE

1 : 50

GOLDER

LOGGED: JC

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-4

BORING DATE: August 28, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp — W — Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE								
0	Direct Push; 100 mm O.D. Solid Stem Augers	TOPSOIL - (ML) CLAYEY SILT, some sand; dark brown, no odour, no staining; non-cohesive, moist		0.00	1A			ND		Concrete
		FILL - (CL) SILTY CLAY, some sand, some gravel; brown, trace organics, no odour, no staining; cohesive, w~PL		0.18	1B			ND		
1		(SM) SILTY SAND; brown, no odour, no staining; non-cohesive, moist		0.86	1C			ND		
		(CL) SILTY CLAY, trace sand; light brown, no odour, oxidation staining; cohesive, w~PL		1.14	1D			ND		Bentonite
					2A			ND		
2		(CL) SILTY CLAY, trace sand, some gravel; brown, no odour, no staining (TILL); cohesive, w~PL		1.98	2B			ND		
3		(SC) CLAYEY SAND, some silt; brown, no odour, no staining; non-cohesive, moist		3.05	3A			□ ⊕	PHC BTEX	Sand
		(CL) SANDY SILTY CLAY, trace gravel; grey, no odour, no staining; cohesive, w>PL		3.66	3B			⊡⊕		
4		(CL) SILTY CLAY, some sand, some gravel; reddish grey, no odour, no staining (TILL); cohesive, w>PL to w~PL		4.11	3C			⊕		Screen
5					4A			ND		
					4B			ND		
6		END OF BOREHOLE		6.10						
7		NOTE: PHC - Petroleum Hydrocarbon F1-F4 BTEX - Benzene, Toluene, Ethylbenzene and Xylene								
8										
9										
10										

DEPTH SCALE

1 : 50

GOLDER

LOGGED: PT

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-5

BORING DATE: August 28, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp — W — Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE								
0	Direct Push; 100 mm O.D. Solid Stem Augers	TOPSOIL - (ML) CLAYEY SILT, trace sand; dark brown, no odour, no staining; non-cohesive, moist		0.00	1A			ND		Concrete
		(SW/GW) SAND and GRAVEL; brown, no odour, no staining; non-cohesive, wet		0.48	1B			ND		
1										Bentonite ▽ August 28, 2018
		(CL) SILTY CLAY, some gravel, trace sand; brown-grey, no odour, no staining (TILL); cohesive, w~PL to w>PL		1.65	2A					
2					2B			ND		
		- Becoming grey at 2.74 m								Sand
3					3A				PHC BTEX	
		(ML) SANDY SILT; brown, no odour, no staining; non-cohesive, wet		3.35	3B			ND		
		(CL) SILTY CLAY, some gravel, trace sand; reddish brown, no odour, no staining; cohesive, w<PL		3.61	3C			ND		
4										Screen
					4A			ND		
5										
					4B					
6		END OF BOREHOLE		6.10						
		NOTE:								
7		1. Water level measured at a depth of about 1.59 m below ground surface on August 28, 2018.								
		PHC - Petroleum Hydrocarbon F1-F4 BTEX - Benzene, Toluene, Ethylbenzene and Xylene								
8										
9										
10										

DEPTH SCALE

1 : 50

GOLDER

LOGGED: PT

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-6

BORING DATE: August 28, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp — W — Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE								
0	Direct Push; 100 mm O.D. Solid Stem Augers	TOPSOIL - (ML) CLAYEY SILT, trace sand; dark brown, no odour, no staining, trace organics; non-cohesive, moist		0.00	1A			⊕□ ND		Concrete
		FILL - (SM) SILTY SAND; brown, no odour, no staining, trace organics; non-cohesive, dry		0.25	1B			⊕□ ND		
1		(CL) SILTY CLAY, trace gravel; brown, no odour, oxidation staining; cohesive, w~PL		0.84	1C			⊕□ ND		Bentonite
					2A			⊕□ ND		
2		(CL) SILTY CLAY, some gravel, trace sand; brown, no odour, no staining (TILL); cohesive, w~PL		2.29	2B			⊕□ ND	PHC BTEX	
3		(CL) SANDY SILTY CLAY; grey, no odour, no staining; cohesive, w>PL		3.05	3A			⊕□ ND		Sand
		(CL) SILTY CLAY, some sand, some gravel; reddish-grey, no odour, no staining (TILL); cohesive, w~PL		3.66	3A			⊕□ ND		
4										Screen
5					4A			⊕□ ND		
6					4B			⊕□ ND		
		END OF BOREHOLE		6.10						
7		NOTE:								
		PHC - Petroleum Hydrocarbon F1-F4 BTEX - Benzene, Toluene, Ethylbenzene and Xylene								
8										
9										
10										

DEPTH SCALE

1 : 50

GOLDER

LOGGED: PT

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-7

BORING DATE: August 28, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp — W — Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE								
0	Direct Push; 100 mm O.D. Solid Stem Augers	TOPSOIL - (ML) CLAYEY SILT, some sand; dark brown, no odour, no staining, trace organics/rootlets; non-cohesive, moist		0.00	1A			ND		
				0.15	1B			ND		
1		FILL - (CL) SANDY SILTY CLAY, some gravel; brown to dark brown, asphalt odour from 2.13 m to 2.44 m, no staining, with asphalt from 2.13 m to 2.44 m, cohesive, w<PL to w~PL			1C			ND		
					2A			ND		
2					2B			ND	M&I PAH	
3		(CL) SILTY CLAY, trace gravel, trace sand; reddish brown, no odour, oxidation staining; cohesive, w~PL		3.05	3A			ND		
4					3B			ND		
		END OF BOREHOLE		4.57						
5		NOTE: M&I - Metals and inorganics; PAH- Polycyclic Aromatic Hydrocarbons								
6										
7										
8										
9										
10										

DEPTH SCALE

1 : 50

GOLDER

LOGGED: PT

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-8

BORING DATE: August 28, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400 / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3} / WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE								
0	Direct Push; 100 mm O.D. Solid Stem Augers	TOPSOIL		0.00						
		FILL - (ML) SILTY CLAY, some sand, some gravel; brown, no odour, no staining; cohesive, w<PL		0.07	1A			ND		
1					1B			ND		
		FILL - (CL) GRAVELLY SILTY CLAY, some sand; brown, no odour, no staining, with trace asphalt; cohesive, w<PL		1.52	2A			ND		M&I PAH
2		(CL) SILTY CLAY, trace gravel, trace sand; brown, no odour, no staining; cohesive, w~PL		2.59	2B			ND		
3		END OF BOREHOLE		3.05						
		NOTE: M&I - Metals and inorganics; PAH- Polycyclic Aromatic Hydrocarbons								
4										
5										
6										
7										
8										
9										
10										

DEPTH SCALE

1 : 50

GOLDER

LOGGED: PT

CHECKED: AA

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PROJECT: 18107312

LOCATION: N ; E

RECORD OF BOREHOLE: BH18-9

BORING DATE: August 28, 2018

SHEET 1 OF 1

DATUM:

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400 / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3} / WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE								
0	Direct Push; 100 mm O.D. Solid Stem Augers	TOPSOIL - (CL) SILTY CLAY, trace sand; dark brown, no odour, no staining; non-cohesive, moist		0.00	1A			ND		
		FILL - (CL) SILTY CLAY, some gravel, some sand; brown, no odour, no staining; cohesive, w>PL		0.15	1B			ND		
1					1C			ND		M&I PAH
					2A			ND		
2		CL) SILTY CLAY, some sand, trace gravel; brown, no odour, no staining (TILL); cohesive, w>PL		2.13	2B			ND		
3		END OF BOREHOLE		3.05						
		NOTE: M&I - Metals and inorganics; PAH- Polycyclic Aromatic Hydrocarbons								
4										
5										
6										
7										
8										
9										
10										

DEPTH SCALE

1 : 50

GOLDER

LOGGED: PT

CHECKED: AA

GTA-BHS 001 S:\CLIENTS\TRAFALGAR_GOLF_AND_COUNTRY_CLUB\6728_SIXTH_LINE_MILTON_ON\02_DATA\GINT\6728_SIXTH_LINE_MILTON_ON.GPJ GAL-MIS.GDT 10/02/18

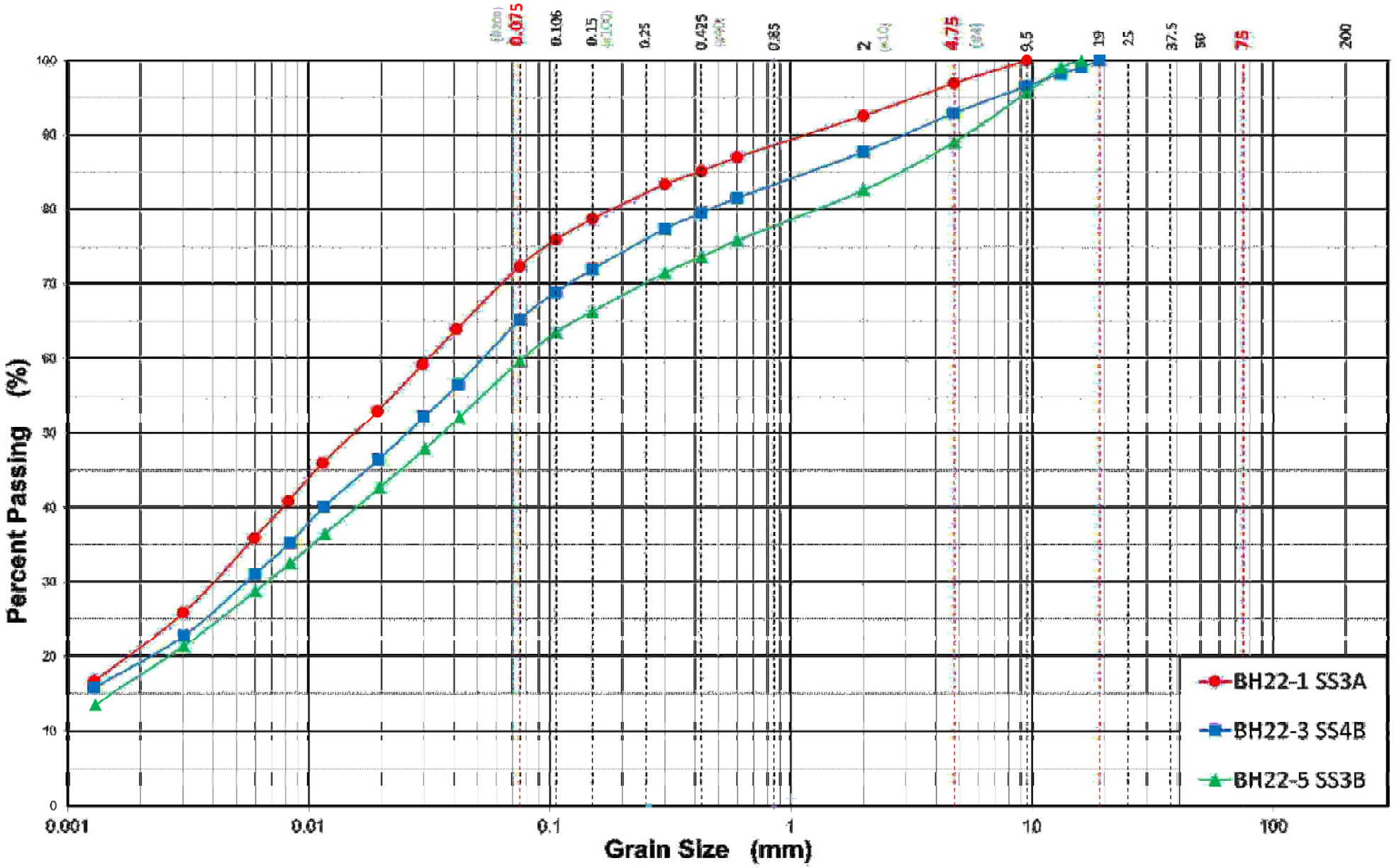
APPENDIX D

Certificates of Analysis

APPENDIX D-1:

Grain Size Analysis

Particle Size Distribution (ASTM-D421/D422)



Silt and Clay		Sand			Gravel		Cobble +
Clay	Silt	Fine	Medium	Coarse	Fine	Coarse	

ENVISION CONSULTANTS LTD

GRAIN SIZE DISTRIBUTION

Figure No	1
Project No	22-0209
Date	Aug. 11/2022

APPENDIX D-2:

Certificates of Analysis- Soil

Your Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Your C.O.C. #: N/A

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/11
Report #: R7248726
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2K6969
Received: 2022/07/22, 18:12

Sample Matrix: Soil
Samples Received: 22

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	6	N/A	2022/07/28	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron	5	2022/07/27	2022/07/27	CAM SOP-00408	R153 Ana. Prot. 2011
1,3-Dichloropropene Sum	6	N/A	2022/07/28		EPA 8260C m
Free (WAD) Cyanide	4	2022/07/28	2022/07/28	CAM SOP-00457	OMOE E3015 m
Free (WAD) Cyanide	1	2022/07/28	2022/07/29	CAM SOP-00457	OMOE E3015 m
Conductivity	3	2022/07/27	2022/07/27	CAM SOP-00414	OMOE E3530 v1 m
Conductivity	2	2022/07/28	2022/07/28	CAM SOP-00414	OMOE E3530 v1 m
Hexavalent Chromium in Soil by IC (1)	5	2022/07/26	2022/07/31	CAM SOP-00436	EPA 3060/7199 m
Petroleum Hydro. CCME F1 & BTEX in Soil (2)	10	N/A	2022/07/27	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (3)	10	2022/07/28	2022/07/28	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	5	2022/07/27	2022/07/28	CAM SOP-00447	EPA 6020B m
Moisture	21	N/A	2022/07/23	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (4)	3	2022/07/29	2022/07/30	CAM SOP-00307	SW846 8081, 8082
OC Pesticides (Selected) & PCB (4)	1	2022/07/29	2022/07/31	CAM SOP-00307	SW846 8081, 8082
OC Pesticides (Selected) & PCB (4)	1	2022/08/09	2022/08/10	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	4	N/A	2022/07/25	CAM SOP-00307	EPA 8081/8082 m
OC Pesticides Summed Parameters	1	N/A	2022/08/10	CAM SOP-00307	EPA 8081/8082 m
PAH Compounds in Soil by GC/MS (SIM)	6	2022/07/27	2022/07/27	CAM SOP-00318	EPA 8270D m
Polychlorinated Biphenyl in Soil	1	2022/07/26	2022/07/27	CAM SOP-00309	EPA 8082A m
pH CaCl2 EXTRACT	5	2022/07/28	2022/07/28	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR)	3	N/A	2022/07/28	CAM SOP-00102	EPA 6010C
Sodium Adsorption Ratio (SAR)	2	N/A	2022/07/29	CAM SOP-00102	EPA 6010C
Volatile Organic Compounds in Soil	6	N/A	2022/07/27	CAM SOP-00228	EPA 8260C m

Remarks:

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

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

Your Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Your C.O.C. #: N/A

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/11
Report #: R7248726
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2K6969
Received: 2022/07/22, 18:12

Uncertainty has not been accounted for when stating conformity to the referenced standard.

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

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

(1) Soils are reported on a dry weight basis unless otherwise specified.
(2) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.
(4) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			TGG947			TGG947			TGG948		
Sampling Date			2022/07/20 10:23			2022/07/20 10:23			2022/07/20 10:23		
COC Number			N/A			N/A			N/A		
	UNITS	Criteria	BH22-1 S1A	RDL	QC Batch	BH22-1 S1A Lab-Dup	RDL	QC Batch	S22-1	RDL	QC Batch
Calculated Parameters											
Sodium Adsorption Ratio	N/A	5.0	0.52		8126774				0.44		8126774
Inorganics											
Conductivity	mS/cm	0.7	0.22	0.002	8135275				0.20	0.002	8133364
Moisture	%	-							5.5	1.0	8127484
Available (CaCl2) pH	pH	-	7.59		8135667				7.55		8135649
WAD Cyanide (Free)	ug/g	0.051	<0.01	0.01	8135765	<0.01	0.01	8135765	<0.01	0.01	8135765
Chromium (VI)	ug/g	8	<0.18	0.18	8131205				<0.18	0.18	8131205
Metals											
Hot Water Ext. Boron (B)	ug/g	1.5	0.35	0.050	8132993				0.40	0.050	8132993
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	0.20	8132808				<0.20	0.20	8132828
Acid Extractable Arsenic (As)	ug/g	18	2.8	1.0	8132808				2.8	1.0	8132828
Acid Extractable Barium (Ba)	ug/g	390	47	0.50	8132808				50	0.50	8132828
Acid Extractable Beryllium (Be)	ug/g	4	0.37	0.20	8132808				0.36	0.20	8132828
Acid Extractable Boron (B)	ug/g	120	5.5	5.0	8132808				<5.0	5.0	8132828
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.14	0.10	8132808				0.17	0.10	8132828
Acid Extractable Chromium (Cr)	ug/g	160	13	1.0	8132808				13	1.0	8132828
Acid Extractable Cobalt (Co)	ug/g	22	5.4	0.10	8132808				5.2	0.10	8132828
Acid Extractable Copper (Cu)	ug/g	140	23	0.50	8132808				21	0.50	8132828
Acid Extractable Lead (Pb)	ug/g	120	11	1.0	8132808				11	1.0	8132828
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	0.50	8132808				<0.50	0.50	8132828
Acid Extractable Nickel (Ni)	ug/g	100	12	0.50	8132808				12	0.50	8132828
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	0.50	8132808				<0.50	0.50	8132828
Acid Extractable Silver (Ag)	ug/g	20	<0.20	0.20	8132808				<0.20	0.20	8132828
Acid Extractable Thallium (Tl)	ug/g	1	0.072	0.050	8132808				0.074	0.050	8132828
Acid Extractable Uranium (U)	ug/g	23	0.49	0.050	8132808				0.46	0.050	8132828

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

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

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

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			TGG947			TGG947			TGG948		
Sampling Date			2022/07/20 10:23			2022/07/20 10:23			2022/07/20 10:23		
COC Number			N/A			N/A			N/A		
	UNITS	Criteria	BH22-1 S1A	RDL	QC Batch	BH22-1 S1A Lab-Dup	RDL	QC Batch	S22-1	RDL	QC Batch
Acid Extractable Vanadium (V)	ug/g	86	21	5.0	8132808				19	5.0	8132828
Acid Extractable Zinc (Zn)	ug/g	340	44	5.0	8132808				43	5.0	8132828
Acid Extractable Mercury (Hg)	ug/g	0.27	**0.33**	0.050	8132808				**0.41**	0.050	8132828

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

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

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

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			TGG953	TGG964		TGG967		
Sampling Date			2022/07/20 09:10	2022/07/20 13:35		2022/07/21 08:40		
COC Number			N/A	N/A		N/A		
	UNITS	Criteria	BH22-2 S1A	BH22-3 S1B	QC Batch	BH22-5 S1A	RDL	QC Batch
Calculated Parameters								
Sodium Adsorption Ratio	N/A	5.0	0.23 (1)	0.27 (1)	8126774	0.24		8126774
Inorganics								
Conductivity	mS/cm	0.7	0.21	0.19	8133364	0.32	0.002	8135275
Available (CaCl2) pH	pH	-	7.67	7.79	8135667	7.24		8135667
WAD Cyanide (Free)	ug/g	0.051	<0.01	<0.01	8135765	<0.01	0.01	8135765
Chromium (VI)	ug/g	8	<0.18	<0.18	8131205	<0.18	0.18	8131205
Metals								
Hot Water Ext. Boron (B)	ug/g	1.5	0.24	0.13	8132993	1.3	0.050	8132993
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	<0.20	8132828	0.24	0.20	8132808
Acid Extractable Arsenic (As)	ug/g	18	4.4	3.4	8132828	8.6	1.0	8132808
Acid Extractable Barium (Ba)	ug/g	390	32	110	8132828	69	0.50	8132808
Acid Extractable Beryllium (Be)	ug/g	4	0.27	0.70	8132828	0.54	0.20	8132808
Acid Extractable Boron (B)	ug/g	120	7.5	8.6	8132828	8.9	5.0	8132808
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.24	0.10	8132828	0.42	0.10	8132808
Acid Extractable Chromium (Cr)	ug/g	160	8.0	23	8132828	19	1.0	8132808
Acid Extractable Cobalt (Co)	ug/g	22	4.3	12	8132828	7.8	0.10	8132808
Acid Extractable Copper (Cu)	ug/g	140	25	27	8132828	26	0.50	8132808
Acid Extractable Lead (Pb)	ug/g	120	17	10	8132828	37	1.0	8132808
Acid Extractable Molybdenum (Mo)	ug/g	6.9	0.95	<0.50	8132828	0.78	0.50	8132808
Acid Extractable Nickel (Ni)	ug/g	100	11	26	8132828	17	0.50	8132808
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	8132828	<0.50	0.50	8132808
Acid Extractable Silver (Ag)	ug/g	20	<0.20	<0.20	8132828	<0.20	0.20	8132808
Acid Extractable Thallium (Tl)	ug/g	1	0.085	0.16	8132828	0.12	0.050	8132808
Acid Extractable Uranium (U)	ug/g	23	0.72	0.48	8132828	0.88	0.050	8132808

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Coarse Textured Soil
(1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

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Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			TGG953	TGG964		TGG967		
Sampling Date			2022/07/20 09:10	2022/07/20 13:35		2022/07/21 08:40		
COC Number			N/A	N/A		N/A		
	UNITS	Criteria	BH22-2 S1A	BH22-3 S1B	QC Batch	BH22-5 S1A	RDL	QC Batch
Acid Extractable Vanadium (V)	ug/g	86	14	32	8132828	24	5.0	8132808
Acid Extractable Zinc (Zn)	ug/g	340	69	60	8132828	120	5.0	8132808
Acid Extractable Mercury (Hg)	ug/g	0.27	<0.050	<0.050	8132828	**0.73**	0.050	8132808

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

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

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Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			TGG947			TGG949			TGG949		
Sampling Date			2022/07/20 10:23			2022/07/20 10:30			2022/07/20 10:30		
COC Number			N/A			N/A			N/A		
	UNITS	Criteria	BH22-1 S1A	RDL	QC Batch	BH22-1 S1B	RDL	QC Batch	BH22-1 S1B Lab-Dup	RDL	QC Batch
Inorganics											
Moisture	%	-	6.1	1.0	8127188						
Calculated Parameters											
Chlordane (Total)	ug/g	0.05	**0.11**	0.020	8125273	<0.0020	0.0020	8152949			
o,p-DDD + p,p-DDD	ug/g	3.3	<0.0020	0.0020	8125273	<0.0020	0.0020	8152949			
o,p-DDE + p,p-DDE	ug/g	0.26	<0.0020	0.0020	8125273	<0.0020	0.0020	8152949			
o,p-DDT + p,p-DDT	ug/g	1.4	<0.0020	0.0020	8125273	<0.0020	0.0020	8152949			
Total Endosulfan	ug/g	0.05	<0.0020	0.0020	8125273	<0.0020	0.0020	8152949			
Total PCB	ug/g	0.35	<0.15	0.15	8125273	<0.015	0.015	8152949			
Pesticides & Herbicides											
Aldrin	ug/g	0.05	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
a-Chlordane	ug/g	0.05	**0.073**	0.020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
g-Chlordane	ug/g	0.05	0.039	0.020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
o,p-DDD	ug/g	3.3	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
p,p-DDD	ug/g	3.3	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
o,p-DDE	ug/g	0.26	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
p,p-DDE	ug/g	0.26	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
o,p-DDT	ug/g	1.4	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
p,p-DDT	ug/g	1.4	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Dieldrin	ug/g	0.05	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Lindane	ug/g	0.056	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Endrin	ug/g	0.04	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Heptachlor	ug/g	0.15	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Heptachlor epoxide	ug/g	0.05	0.0068	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Hexachlorobenzene	ug/g	0.52	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724

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

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

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O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			TGG947			TGG949			TGG949		
Sampling Date			2022/07/20 10:23			2022/07/20 10:30			2022/07/20 10:30		
COC Number			N/A			N/A			N/A		
	UNITS	Criteria	BH22-1 S1A	RDL	QC Batch	BH22-1 S1B	RDL	QC Batch	BH22-1 S1B Lab-Dup	RDL	QC Batch
Hexachlorobutadiene	ug/g	0.012	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Hexachloroethane	ug/g	0.089	<0.0020	0.0020	8138644	<0.0020	0.0020	8155724	<0.0020	0.0020	8155724
Methoxychlor	ug/g	0.13	<0.0050	0.0050	8138644	<0.0050	0.0050	8155724	<0.0050	0.0050	8155724
Aroclor 1242	ug/g	-	<0.15	0.15	8138644	<0.015	0.015	8155724	<0.015	0.015	8155724
Aroclor 1248	ug/g	-	<0.15	0.15	8138644	<0.015	0.015	8155724	<0.015	0.015	8155724
Aroclor 1254	ug/g	-	<0.15	0.15	8138644	<0.015	0.015	8155724	<0.015	0.015	8155724
Aroclor 1260	ug/g	-	<0.15	0.15	8138644	<0.015	0.015	8155724	<0.015	0.015	8155724
Surrogate Recovery (%)											
2,4,5,6-Tetrachloro-m-xylene	%	-	91		8138644	78		8155724	69		8155724
Decachlorobiphenyl	%	-	87		8138644	104		8155724	92		8155724

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

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

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			TGG953	TGG964		TGG967		
Sampling Date			2022/07/20 09:10	2022/07/20 13:35		2022/07/21 08:40		
COC Number			N/A	N/A		N/A		
	UNITS	Criteria	BH22-2 S1A	BH22-3 S1B	RDL	BH22-5 S1A	RDL	QC Batch
Inorganics								
Moisture	%	-	13	16	1.0	19	1.0	8127188
Calculated Parameters								
Chlordane (Total)	ug/g	0.05	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8125273
o,p-DDD + p,p-DDD	ug/g	3.3	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8125273
o,p-DDE + p,p-DDE	ug/g	0.26	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8125273
o,p-DDT + p,p-DDT	ug/g	1.4	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8125273
Total Endosulfan	ug/g	0.05	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8125273
Total PCB	ug/g	0.35	<0.015	<0.015	0.015	<0.038	0.038	8125273
Pesticides & Herbicides								
Aldrin	ug/g	0.05	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
a-Chlordane	ug/g	0.05	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
g-Chlordane	ug/g	0.05	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
o,p-DDD	ug/g	3.3	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
p,p-DDD	ug/g	3.3	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
o,p-DDE	ug/g	0.26	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
p,p-DDE	ug/g	0.26	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
o,p-DDT	ug/g	1.4	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
p,p-DDT	ug/g	1.4	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Dieldrin	ug/g	0.05	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Lindane	ug/g	0.056	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Endosulfan I (alpha)	ug/g	0.04	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Endosulfan II (beta)	ug/g	0.04	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Endrin	ug/g	0.04	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Heptachlor	ug/g	0.15	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Heptachlor epoxide	ug/g	0.05	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Hexachlorobenzene	ug/g	0.52	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Hexachlorobutadiene	ug/g	0.012	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644

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

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

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O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			TGG953	TGG964		TGG967		
Sampling Date			2022/07/20 09:10	2022/07/20 13:35		2022/07/21 08:40		
COC Number			N/A	N/A		N/A		
	UNITS	Criteria	BH22-2 S1A	BH22-3 S1B	RDL	BH22-5 S1A	RDL	QC Batch
Hexachloroethane	ug/g	0.089	<0.0020	<0.0020	0.0020	<0.0050	0.0050	8138644
Methoxychlor	ug/g	0.13	<0.0050	<0.0050	0.0050	<0.013	0.013	8138644
Aroclor 1242	ug/g	-	<0.015	<0.015	0.015	<0.038	0.038	8138644
Aroclor 1248	ug/g	-	<0.015	<0.015	0.015	<0.038	0.038	8138644
Aroclor 1254	ug/g	-	<0.015	<0.015	0.015	<0.038	0.038	8138644
Aroclor 1260	ug/g	-	<0.015	<0.015	0.015	<0.038	0.038	8138644
Surrogate Recovery (%)								
2,4,5,6-Tetrachloro-m-xylene	%	-	95	98		78		8138644
Decachlorobiphenyl	%	-	109	88		108		8138644

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

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

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

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

O.REG 153 PAHS (SOIL)

Bureau Veritas ID			TGG949			TGG949			TGG954		
Sampling Date			2022/07/20 10:30			2022/07/20 10:30			2022/07/20 09:10		
COC Number			N/A			N/A			N/A		
	UNITS	Criteria	BH22-1 S1B	RDL	QC Batch	BH22-1 S1B Lab-Dup	RDL	QC Batch	BH22-2 S1B	RDL	QC Batch
Calculated Parameters											
Methylnaphthalene, 2-(1-)	ug/g	-	<0.0071	0.0071	8126765				<0.0071	0.0071	8126765
Polyaromatic Hydrocarbons											
Acenaphthene	ug/g	7.9	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Acenaphthylene	ug/g	0.15	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Anthracene	ug/g	0.67	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(a)anthracene	ug/g	0.5	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(a)pyrene	ug/g	0.3	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(b/j)fluoranthene	ug/g	0.78	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(g,h,i)perylene	ug/g	6.6	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(k)fluoranthene	ug/g	0.78	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Chrysene	ug/g	7	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Dibenzo(a,h)anthracene	ug/g	0.1	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Fluoranthene	ug/g	0.69	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Fluorene	ug/g	62	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Indeno(1,2,3-cd)pyrene	ug/g	0.38	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
1-Methylnaphthalene	ug/g	0.99	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
2-Methylnaphthalene	ug/g	0.99	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Naphthalene	ug/g	0.6	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Phenanthrene	ug/g	6.2	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Pyrene	ug/g	78	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Surrogate Recovery (%)											
D10-Anthracene	%	-	89		8132745	88		8132745	85		8132745
D14-Terphenyl (FS)	%	-	86		8132745	86		8132745	82		8132745
D8-Acenaphthylene	%	-	85		8132745	87		8132745	84		8132745

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

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

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O.REG 153 PAHS (SOIL)

Bureau Veritas ID			TGG962			TGG963			TGG968		
Sampling Date			2022/07/20 13:35			2022/07/20 13:35			2022/07/21 08:40		
COC Number			N/A			N/A			N/A		
	UNITS	Criteria	BH22-3 S1A	RDL	QC Batch	S22-4	RDL	QC Batch	BH22-5 S1B	RDL	QC Batch
Inorganics											
Moisture	%	-				18	1.0	8127188			
Calculated Parameters											
Methylnaphthalene, 2-(1-)	ug/g	-	<0.0071	0.0071	8126765	<0.0071	0.0071	8126765	<0.0071	0.0071	8126765
Polyaromatic Hydrocarbons											
Acenaphthene	ug/g	7.9	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Acenaphthylene	ug/g	0.15	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Anthracene	ug/g	0.67	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(a)anthracene	ug/g	0.5	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(a)pyrene	ug/g	0.3	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(b/j)fluoranthene	ug/g	0.78	<0.0050	0.0050	8132745	0.0057	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(g,h,i)perylene	ug/g	6.6	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Benzo(k)fluoranthene	ug/g	0.78	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Chrysene	ug/g	7	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Dibenzo(a,h)anthracene	ug/g	0.1	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Fluoranthene	ug/g	0.69	<0.0050	0.0050	8132745	0.0067	0.0050	8132745	<0.0050	0.0050	8132745
Fluorene	ug/g	62	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Indeno(1,2,3-cd)pyrene	ug/g	0.38	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
1-Methylnaphthalene	ug/g	0.99	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
2-Methylnaphthalene	ug/g	0.99	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Naphthalene	ug/g	0.6	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Phenanthrene	ug/g	6.2	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745	<0.0050	0.0050	8132745
Pyrene	ug/g	78	<0.0050	0.0050	8132745	0.0055	0.0050	8132745	<0.0050	0.0050	8132745
Surrogate Recovery (%)											
D10-Anthracene	%	-	92		8132745	93		8132745	88		8132745
D14-Terphenyl (FS)	%	-	84		8132745	88		8132745	86		8132745
D8-Acenaphthylene	%	-	87		8132745	88		8132745	86		8132745

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

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

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

O.REG 153 PAHS (SOIL)

Bureau Veritas ID			TGG971		
Sampling Date			2022/07/20 12:10		
COC Number			N/A		
	UNITS	Criteria	GS22-1	RDL	QC Batch
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/g	-	<0.0071	0.0071	8126765
Polyaromatic Hydrocarbons					
Acenaphthene	ug/g	7.9	<0.0050	0.0050	8132745
Acenaphthylene	ug/g	0.15	<0.0050	0.0050	8132745
Anthracene	ug/g	0.67	<0.0050	0.0050	8132745
Benzo(a)anthracene	ug/g	0.5	0.0099	0.0050	8132745
Benzo(a)pyrene	ug/g	0.3	0.013	0.0050	8132745
Benzo(b/j)fluoranthene	ug/g	0.78	0.019	0.0050	8132745
Benzo(g,h,i)perylene	ug/g	6.6	0.013	0.0050	8132745
Benzo(k)fluoranthene	ug/g	0.78	0.0059	0.0050	8132745
Chrysene	ug/g	7	0.011	0.0050	8132745
Dibenzo(a,h)anthracene	ug/g	0.1	<0.0050	0.0050	8132745
Fluoranthene	ug/g	0.69	0.019	0.0050	8132745
Fluorene	ug/g	62	<0.0050	0.0050	8132745
Indeno(1,2,3-cd)pyrene	ug/g	0.38	0.010	0.0050	8132745
1-Methylnaphthalene	ug/g	0.99	<0.0050	0.0050	8132745
2-Methylnaphthalene	ug/g	0.99	<0.0050	0.0050	8132745
Naphthalene	ug/g	0.6	<0.0050	0.0050	8132745
Phenanthrene	ug/g	6.2	0.0056	0.0050	8132745
Pyrene	ug/g	78	0.017	0.0050	8132745
Surrogate Recovery (%)					
D10-Anthracene	%	-	95		8132745
D14-Terphenyl (FS)	%	-	89		8132745
D8-Acenaphthylene	%	-	93		8132745

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

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

O.REG 153 PCBS (SOIL)

Bureau Veritas ID			TGG971		
Sampling Date			2022/07/20 12:10		
COC Number			N/A		
	UNITS	Criteria	GS22-1	RDL	QC Batch
PCBs					
Aroclor 1242	ug/g	-	<0.020	0.020	8131390
Aroclor 1248	ug/g	-	<0.020	0.020	8131390
Aroclor 1254	ug/g	-	<0.020	0.020	8131390
Aroclor 1260	ug/g	-	<0.020	0.020	8131390
Total PCB	ug/g	0.35	<0.020	0.020	8131390
Surrogate Recovery (%)					
Decachlorobiphenyl	%	-	92		8131390

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

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

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Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

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

Bureau Veritas ID			TGG949		TGG950	TGG954		TGG955	TGG956		
Sampling Date			2022/07/20 10:30		2022/07/20 10:45	2022/07/20 09:10		2022/07/20 09:10	2022/07/20 09:15		
COC Number			N/A		N/A	N/A		N/A	N/A		
	UNITS	Criteria	BH22-1 S1B	QC Batch	BH22-1 S4A	BH22-2 S1B	QC Batch	S22-3	BH22-2 S3A	RDL	QC Batch
Inorganics											
Moisture	%	-	8.2	8127188	9.8	15	8127218	15	13	1.0	8127188
BTEX & F1 Hydrocarbons											
Benzene	ug/g	0.21	<0.020	8132715	<0.020	<0.020	8132715	<0.020	<0.020	0.020	8132715
Toluene	ug/g	2.3	<0.020	8132715	<0.020	<0.020	8132715	<0.020	<0.020	0.020	8132715
Ethylbenzene	ug/g	1.1	<0.020	8132715	<0.020	<0.020	8132715	<0.020	<0.020	0.020	8132715
o-Xylene	ug/g	-	<0.020	8132715	<0.020	<0.020	8132715	<0.020	<0.020	0.020	8132715
p+m-Xylene	ug/g	-	<0.040	8132715	<0.040	<0.040	8132715	<0.040	<0.040	0.040	8132715
Total Xylenes	ug/g	3.1	<0.040	8132715	<0.040	<0.040	8132715	<0.040	<0.040	0.040	8132715
F1 (C6-C10)	ug/g	55	<10	8132715	<10	<10	8132715	<10	<10	10	8132715
F1 (C6-C10) - BTEX	ug/g	55	<10	8132715	<10	<10	8132715	<10	<10	10	8132715
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	98	<10	8135803	<10	<10	8135803	<10	<10	10	8135803
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	8135803	<50	<50	8135803	<50	<50	50	8135803
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	8135803	<50	<50	8135803	<50	89	50	8135803
Reached Baseline at C50	ug/g	-	Yes	8135803	Yes	Yes	8135803	Yes	Yes		8135803
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	-	104	8132715	104	104	8132715	106	105		8132715
4-Bromofluorobenzene	%	-	94	8132715	95	94	8132715	94	94		8132715
D10-o-Xylene	%	-	93	8132715	97	105	8132715	110	102		8132715
D4-1,2-Dichloroethane	%	-	100	8132715	100	100	8132715	98	98		8132715
o-Terphenyl	%	-	90	8135803	90	89	8135803	90	90		8135803

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

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

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

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

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

Bureau Veritas ID			TGG962	TGG965		TGG968			TGG968		
Sampling Date			2022/07/20 13:35	2022/07/20 13:40		2022/07/21 08:40			2022/07/21 08:40		
COC Number			N/A	N/A		N/A			N/A		
	UNITS	Criteria	BH22-3 S1A	BH22-3 S3A	QC Batch	BH22-5 S1B	RDL	QC Batch	BH22-5 S1B Lab-Dup	RDL	QC Batch
Inorganics											
Moisture	%	-	14	17	8127188	18	1.0	8127218			
BTEX & F1 Hydrocarbons											
Benzene	ug/g	0.21	<0.020	<0.020	8132715	<0.020	0.020	8132715	<0.020	0.020	8132715
Toluene	ug/g	2.3	<0.020	<0.020	8132715	<0.020	0.020	8132715	<0.020	0.020	8132715
Ethylbenzene	ug/g	1.1	<0.020	<0.020	8132715	<0.020	0.020	8132715	<0.020	0.020	8132715
o-Xylene	ug/g	-	<0.020	<0.020	8132715	<0.020	0.020	8132715	<0.020	0.020	8132715
p+m-Xylene	ug/g	-	<0.040	<0.040	8132715	<0.040	0.040	8132715	<0.040	0.040	8132715
Total Xylenes	ug/g	3.1	<0.040	<0.040	8132715	<0.040	0.040	8132715	<0.040	0.040	8132715
F1 (C6-C10)	ug/g	55	<10	<10	8132715	<10	10	8132715	<10	10	8132715
F1 (C6-C10) - BTEX	ug/g	55	<10	<10	8132715	<10	10	8132715	<10	10	8132715
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	98	<10	<10	8135803	<10	10	8135803			
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	8135803	<50	50	8135803			
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	<50	8135803	<50	50	8135803			
Reached Baseline at C50	ug/g	-	Yes	Yes	8135803	Yes		8135803			
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	-	104	106	8132715	103		8132715	109		8132715
4-Bromofluorobenzene	%	-	95	100	8132715	92		8132715	93		8132715
D10-o-Xylene	%	-	104	117	8132715	109		8132715	112		8132715
D4-1,2-Dichloroethane	%	-	99	104	8132715	98		8132715	101		8132715
o-Terphenyl	%	-	88	96	8135803	89		8135803			

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

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

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

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

Bureau Veritas ID			TGG969	TGG971		
Sampling Date			2022/07/21 08:50	2022/07/20 12:10		
COC Number			N/A	N/A		
	UNITS	Criteria	BH22-5 S3A	GS22-1	RDL	QC Batch
Inorganics						
Moisture	%	-	12	7.9	1.0	8127218
BTEX & F1 Hydrocarbons						
Benzene	ug/g	0.21	<0.020	<0.020	0.020	8132715
Toluene	ug/g	2.3	<0.020	<0.020	0.020	8132715
Ethylbenzene	ug/g	1.1	<0.020	<0.020	0.020	8132715
o-Xylene	ug/g	-	<0.020	<0.020	0.020	8132715
p+m-Xylene	ug/g	-	<0.040	<0.040	0.040	8132715
Total Xylenes	ug/g	3.1	<0.040	<0.040	0.040	8132715
F1 (C6-C10)	ug/g	55	<10	<10	10	8132715
F1 (C6-C10) - BTEX	ug/g	55	<10	<10	10	8132715
F2-F4 Hydrocarbons						
F2 (C10-C16 Hydrocarbons)	ug/g	98	<10	<10	10	8135803
F3 (C16-C34 Hydrocarbons)	ug/g	300	<50	<50	50	8135803
F4 (C34-C50 Hydrocarbons)	ug/g	2800	<50	55	50	8135803
Reached Baseline at C50	ug/g	-	Yes	Yes		8135803
Surrogate Recovery (%)						
1,4-Difluorobenzene	%	-	104	105		8132715
4-Bromofluorobenzene	%	-	94	94		8132715
D10-o-Xylene	%	-	122	106		8132715
D4-1,2-Dichloroethane	%	-	99	99		8132715
o-Terphenyl	%	-	90	90		8135803

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

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

O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGG951	TGG952	TGG957	TGG966	TGG970		
Sampling Date			2022/07/20 10:45	2022/07/20 10:45	2022/07/20 09:20	2022/07/20 13:50	2022/07/21 09:00		
COC Number			N/A	N/A	N/A	N/A	N/A		
	UNITS	Criteria	BH22-1 S4B	S22-2	BH22-2 S4B	BH22-3 S4B	BH22-5 S4B	RDL	QC Batch
Inorganics									
Moisture	%	-	9.7	10	8.9	9.1	11	1.0	8127218
Calculated Parameters									
1,3-Dichloropropene (cis+trans)	ug/g	0.05	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8126771
Volatile Organics									
Acetone (2-Propanone)	ug/g	16	<0.49	<0.49	<0.49	<0.49	<0.49	0.49	8130811
Benzene	ug/g	0.21	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	0.0060	8130811
Bromodichloromethane	ug/g	1.5	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Bromoform	ug/g	0.27	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Bromomethane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Carbon Tetrachloride	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Chlorobenzene	ug/g	2.4	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Chloroform	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Dibromochloromethane	ug/g	2.3	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,2-Dichlorobenzene	ug/g	1.2	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,3-Dichlorobenzene	ug/g	4.8	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,4-Dichlorobenzene	ug/g	0.083	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Dichlorodifluoromethane (FREON 12)	ug/g	16	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,1-Dichloroethane	ug/g	0.47	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,2-Dichloroethane	ug/g	0.05	<0.049	<0.049	<0.049	<0.049	<0.049	0.049	8130811
1,1-Dichloroethylene	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
cis-1,2-Dichloroethylene	ug/g	1.9	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
trans-1,2-Dichloroethylene	ug/g	0.084	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,2-Dichloropropane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
cis-1,3-Dichloropropene	ug/g	0.05	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8130811
trans-1,3-Dichloropropene	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Ethylbenzene	ug/g	1.1	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8130811
Ethylene Dibromide	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Hexane	ug/g	2.8	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811

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

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

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGG951	TGG952	TGG957	TGG966	TGG970		
Sampling Date			2022/07/20 10:45	2022/07/20 10:45	2022/07/20 09:20	2022/07/20 13:50	2022/07/21 09:00		
COC Number			N/A	N/A	N/A	N/A	N/A		
	UNITS	Criteria	BH22-1 S4B	S22-2	BH22-2 S4B	BH22-3 S4B	BH22-5 S4B	RDL	QC Batch
Methylene Chloride(Dichloromethane)	ug/g	0.1	<0.049	<0.049	<0.049	<0.049	<0.049	0.049	8130811
Methyl Ethyl Ketone (2-Butanone)	ug/g	16	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8130811
Methyl Isobutyl Ketone	ug/g	1.7	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8130811
Methyl t-butyl ether (MTBE)	ug/g	0.75	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Styrene	ug/g	0.7	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,1,1,2-Tetrachloroethane	ug/g	0.058	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Tetrachloroethylene	ug/g	0.28	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Toluene	ug/g	2.3	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8130811
1,1,1-Trichloroethane	ug/g	0.38	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
1,1,2-Trichloroethane	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Trichloroethylene	ug/g	0.061	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8130811
Trichlorofluoromethane (FREON 11)	ug/g	4	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	8130811
Vinyl Chloride	ug/g	0.02	<0.019	<0.019	<0.019	<0.019	<0.019	0.019	8130811
p+m-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8130811
o-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8130811
Total Xylenes	ug/g	3.1	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8130811
Surrogate Recovery (%)									
4-Bromofluorobenzene	%	-	93	94	92	93	94		8130811
D10-o-Xylene	%	-	81	82	79	92	78		8130811
D4-1,2-Dichloroethane	%	-	95	95	95	95	94		8130811
D8-Toluene	%	-	97	96	97	97	96		8130811

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

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

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

O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGG972		
Sampling Date			2022/07/21		
COC Number			N/A		
	UNITS	Criteria	TRIP BLANK	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/g	0.05	<0.050	0.050	8126771
Volatile Organics					
Acetone (2-Propanone)	ug/g	16	<0.49	0.49	8130811
Benzene	ug/g	0.21	<0.0060	0.0060	8130811
Bromodichloromethane	ug/g	1.5	<0.040	0.040	8130811
Bromoform	ug/g	0.27	<0.040	0.040	8130811
Bromomethane	ug/g	0.05	<0.040	0.040	8130811
Carbon Tetrachloride	ug/g	0.05	<0.040	0.040	8130811
Chlorobenzene	ug/g	2.4	<0.040	0.040	8130811
Chloroform	ug/g	0.05	<0.040	0.040	8130811
Dibromochloromethane	ug/g	2.3	<0.040	0.040	8130811
1,2-Dichlorobenzene	ug/g	1.2	<0.040	0.040	8130811
1,3-Dichlorobenzene	ug/g	4.8	<0.040	0.040	8130811
1,4-Dichlorobenzene	ug/g	0.083	<0.040	0.040	8130811
Dichlorodifluoromethane (FREON 12)	ug/g	16	<0.040	0.040	8130811
1,1-Dichloroethane	ug/g	0.47	<0.040	0.040	8130811
1,2-Dichloroethane	ug/g	0.05	<0.049	0.049	8130811
1,1-Dichloroethylene	ug/g	0.05	<0.040	0.040	8130811
cis-1,2-Dichloroethylene	ug/g	1.9	<0.040	0.040	8130811
trans-1,2-Dichloroethylene	ug/g	0.084	<0.040	0.040	8130811
1,2-Dichloropropane	ug/g	0.05	<0.040	0.040	8130811
cis-1,3-Dichloropropene	ug/g	0.05	<0.030	0.030	8130811
trans-1,3-Dichloropropene	ug/g	0.05	<0.040	0.040	8130811
Ethylbenzene	ug/g	1.1	<0.010	0.010	8130811
Ethylene Dibromide	ug/g	0.05	<0.040	0.040	8130811
Hexane	ug/g	2.8	<0.040	0.040	8130811

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

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

O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGG972		
Sampling Date			2022/07/21		
COC Number			N/A		
	UNITS	Criteria	TRIP BLANK	RDL	QC Batch
Methylene Chloride(Dichloromethane)	ug/g	0.1	<0.049	0.049	8130811
Methyl Ethyl Ketone (2-Butanone)	ug/g	16	<0.40	0.40	8130811
Methyl Isobutyl Ketone	ug/g	1.7	<0.40	0.40	8130811
Methyl t-butyl ether (MTBE)	ug/g	0.75	<0.040	0.040	8130811
Styrene	ug/g	0.7	<0.040	0.040	8130811
1,1,1,2-Tetrachloroethane	ug/g	0.058	<0.040	0.040	8130811
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	8130811
Tetrachloroethylene	ug/g	0.28	<0.040	0.040	8130811
Toluene	ug/g	2.3	<0.020	0.020	8130811
1,1,1-Trichloroethane	ug/g	0.38	<0.040	0.040	8130811
1,1,2-Trichloroethane	ug/g	0.05	<0.040	0.040	8130811
Trichloroethylene	ug/g	0.061	<0.010	0.010	8130811
Trichlorofluoromethane (FREON 11)	ug/g	4	<0.040	0.040	8130811
Vinyl Chloride	ug/g	0.02	<0.019	0.019	8130811
p+m-Xylene	ug/g	-	<0.020	0.020	8130811
o-Xylene	ug/g	-	<0.020	0.020	8130811
Total Xylenes	ug/g	3.1	<0.020	0.020	8130811
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	-	94		8130811
D10-o-Xylene	%	-	86		8130811
D4-1,2-Dichloroethane	%	-	93		8130811
D8-Toluene	%	-	96		8130811

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

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

TEST SUMMARY

Bureau Veritas ID: TGG947 **Collected:** 2022/07/20
Sample ID: BH22-1 S1A **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8132993	2022/07/27	2022/07/27	Jolly John
Free (WAD) Cyanide	TECH	8135765	2022/07/28	2022/07/29	Kruti Jitesh Patel
Conductivity	AT	8135275	2022/07/28	2022/07/28	Roya Fathitil
Hexavalent Chromium in Soil by IC	IC/SPEC	8131205	2022/07/26	2022/07/31	Violeta Porcila
Acid Extractable Metals by ICPMS	ICP/MS	8132808	2022/07/27	2022/07/28	Medhat Nasr
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles
OC Pesticides (Selected) & PCB	GC/ECD	8138644	2022/07/29	2022/07/30	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8125273	N/A	2022/07/25	Automated Statchk
pH CaCl2 EXTRACT	AT	8135667	2022/07/28	2022/07/28	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8126774	N/A	2022/07/29	Automated Statchk

Bureau Veritas ID: TGG947 Dup **Collected:** 2022/07/20
Sample ID: BH22-1 S1A **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Free (WAD) Cyanide	TECH	8135765	2022/07/28	2022/07/29	Kruti Jitesh Patel

Bureau Veritas ID: TGG948 **Collected:** 2022/07/20
Sample ID: S22-1 **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8132993	2022/07/27	2022/07/27	Jolly John
Free (WAD) Cyanide	TECH	8135765	2022/07/28	2022/07/28	Kruti Jitesh Patel
Conductivity	AT	8133364	2022/07/27	2022/07/27	Roya Fathitil
Hexavalent Chromium in Soil by IC	IC/SPEC	8131205	2022/07/26	2022/07/31	Violeta Porcila
Acid Extractable Metals by ICPMS	ICP/MS	8132828	2022/07/27	2022/07/28	Medhat Nasr
Moisture	BAL	8127484	N/A	2022/07/23	Mathew Bowles
pH CaCl2 EXTRACT	AT	8135649	2022/07/28	2022/07/28	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8126774	N/A	2022/07/28	Automated Statchk

Bureau Veritas ID: TGG949 **Collected:** 2022/07/20
Sample ID: BH22-1 S1B **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8126765	N/A	2022/07/28	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles
OC Pesticides (Selected) & PCB	GC/ECD	8155724	2022/08/09	2022/08/10	Li Peng
OC Pesticides Summed Parameters	CALC	8152949	N/A	2022/08/10	Automated Statchk
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8132745	2022/07/27	2022/07/27	Mitesh Raj

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TEST SUMMARY

Bureau Veritas ID: TGG949 Dup
Sample ID: BH22-1 S1B
Matrix: Soil
Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	8155724	2022/08/09	2022/08/10	Li Peng
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8132745	2022/07/27	2022/07/27	Mitesh Raj

Bureau Veritas ID: TGG950
Sample ID: BH22-1 S4A
Matrix: Soil
Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles

Bureau Veritas ID: TGG951
Sample ID: BH22-1 S4B
Matrix: Soil
Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8126771	N/A	2022/07/28	Automated Statchk
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
Volatile Organic Compounds in Soil	GC/MS	8130811	N/A	2022/07/27	Gladys Guerrero

Bureau Veritas ID: TGG952
Sample ID: S22-2
Matrix: Soil
Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8126771	N/A	2022/07/28	Automated Statchk
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
Volatile Organic Compounds in Soil	GC/MS	8130811	N/A	2022/07/27	Gladys Guerrero

Bureau Veritas ID: TGG953
Sample ID: BH22-2 S1A
Matrix: Soil
Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8132993	2022/07/27	2022/07/27	Jolly John
Free (WAD) Cyanide	TECH	8135765	2022/07/28	2022/07/28	Kruti Jitesh Patel
Conductivity	AT	8133364	2022/07/27	2022/07/27	Roya Fathitil
Hexavalent Chromium in Soil by IC	IC/SPEC	8131205	2022/07/26	2022/07/31	Violeta Porcila
Acid Extractable Metals by ICPMS	ICP/MS	8132828	2022/07/27	2022/07/28	Medhat Nasr
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles
OC Pesticides (Selected) & PCB	GC/ECD	8138644	2022/07/29	2022/07/30	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8125273	N/A	2022/07/25	Automated Statchk
pH CaCl2 EXTRACT	AT	8135667	2022/07/28	2022/07/28	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8126774	N/A	2022/07/28	Automated Statchk

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Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

TEST SUMMARY

Bureau Veritas ID: TGG954
Sample ID: BH22-2 S1B
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8126765	N/A	2022/07/28	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8132745	2022/07/27	2022/07/27	Mitesh Raj

Bureau Veritas ID: TGG955
Sample ID: S22-3
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles

Bureau Veritas ID: TGG956
Sample ID: BH22-2 S3A
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles

Bureau Veritas ID: TGG957
Sample ID: BH22-2 S4B
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8126771	N/A	2022/07/28	Automated Statchk
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
Volatile Organic Compounds in Soil	GC/MS	8130811	N/A	2022/07/27	Gladys Guerrero

Bureau Veritas ID: TGG962
Sample ID: BH22-3 S1A
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8126765	N/A	2022/07/28	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8132745	2022/07/27	2022/07/27	Mitesh Raj

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Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

TEST SUMMARY

Bureau Veritas ID: TGG963
Sample ID: S22-4
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8126765	N/A	2022/07/28	Automated Statchk
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8132745	2022/07/27	2022/07/27	Mitesh Raj

Bureau Veritas ID: TGG964
Sample ID: BH22-3 S1B
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8132993	2022/07/27	2022/07/27	Jolly John
Free (WAD) Cyanide	TECH	8135765	2022/07/28	2022/07/28	Kruti Jitesh Patel
Conductivity	AT	8133364	2022/07/27	2022/07/27	Roya Fathitil
Hexavalent Chromium in Soil by IC	IC/SPEC	8131205	2022/07/26	2022/07/31	Violeta Porcila
Acid Extractable Metals by ICPMS	ICP/MS	8132828	2022/07/27	2022/07/28	Medhat Nasr
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles
OC Pesticides (Selected) & PCB	GC/ECD	8138644	2022/07/29	2022/07/30	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8125273	N/A	2022/07/25	Automated Statchk
pH CaCl2 EXTRACT	AT	8135667	2022/07/28	2022/07/28	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8126774	N/A	2022/07/28	Automated Statchk

Bureau Veritas ID: TGG965
Sample ID: BH22-3 S3A
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles

Bureau Veritas ID: TGG966
Sample ID: BH22-3 S4B
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8126771	N/A	2022/07/28	Automated Statchk
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
Volatile Organic Compounds in Soil	GC/MS	8130811	N/A	2022/07/27	Gladys Guerrero

Bureau Veritas ID: TGG967
Sample ID: BH22-5 S1A
Matrix: Soil

Collected: 2022/07/21
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8132993	2022/07/27	2022/07/27	Jolly John
Free (WAD) Cyanide	TECH	8135765	2022/07/28	2022/07/28	Kruti Jitesh Patel

TEST SUMMARY

Bureau Veritas ID: TGG967 **Collected:** 2022/07/21
Sample ID: BH22-5 S1A **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Conductivity	AT	8135275	2022/07/28	2022/07/28	Roya Fathitil
Hexavalent Chromium in Soil by IC	IC/SPEC	8131205	2022/07/26	2022/07/31	Violeta Porcila
Acid Extractable Metals by ICPMS	ICP/MS	8132808	2022/07/27	2022/07/28	Medhat Nasr
Moisture	BAL	8127188	N/A	2022/07/23	Mathew Bowles
OC Pesticides (Selected) & PCB	GC/ECD	8138644	2022/07/29	2022/07/31	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8125273	N/A	2022/07/25	Automated Statchk
pH CaCl2 EXTRACT	AT	8135667	2022/07/28	2022/07/28	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8126774	N/A	2022/07/29	Automated Statchk

Bureau Veritas ID: TGG968 **Collected:** 2022/07/21
Sample ID: BH22-5 S1B **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8126765	N/A	2022/07/28	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8132745	2022/07/27	2022/07/27	Mitesh Raj

Bureau Veritas ID: TGG968 Dup **Collected:** 2022/07/21
Sample ID: BH22-5 S1B **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu

Bureau Veritas ID: TGG969 **Collected:** 2022/07/21
Sample ID: BH22-5 S3A **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles

Bureau Veritas ID: TGG970 **Collected:** 2022/07/21
Sample ID: BH22-5 S4B **Shipped:**
Matrix: Soil **Received:** 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8126771	N/A	2022/07/28	Automated Statchk
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
Volatile Organic Compounds in Soil	GC/MS	8130811	N/A	2022/07/27	Gladys Guerrero

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Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

TEST SUMMARY

Bureau Veritas ID: TGG971
Sample ID: GS22-1
Matrix: Soil

Collected: 2022/07/20
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8126765	N/A	2022/07/28	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8132715	N/A	2022/07/27	Ravinder Gaidhu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8135803	2022/07/28	2022/07/28	(Kent) Maolin Li
Moisture	BAL	8127218	N/A	2022/07/23	Mathew Bowles
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8132745	2022/07/27	2022/07/27	Mitesh Raj
Polychlorinated Biphenyl in Soil	GC/ECD	8131390	2022/07/26	2022/07/27	Svitlana Shaula

Bureau Veritas ID: TGG972
Sample ID: TRIP BLANK
Matrix: Soil

Collected: 2022/07/21
Shipped:
Received: 2022/07/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8126771	N/A	2022/07/28	Automated Statchk
Volatile Organic Compounds in Soil	GC/MS	8130811	N/A	2022/07/27	Gladys Guerrero

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GENERAL COMMENTS

Sample TGG947 [BH22-1 S1A] : OC Pesticide Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Sample TGG950 [BH22-1 S4A] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample TGG955 [S22-3] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample TGG956 [BH22-2 S3A] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Results relate only to the items tested.

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8130811	4-Bromofluorobenzene	2022/07/27	101	60 - 140	100	60 - 140	95	%		
8130811	D10-o-Xylene	2022/07/27	97	60 - 130	93	60 - 130	90	%		
8130811	D4-1,2-Dichloroethane	2022/07/27	90	60 - 140	96	60 - 140	100	%		
8130811	D8-Toluene	2022/07/27	107	60 - 140	109	60 - 140	95	%		
8131390	Decachlorobiphenyl	2022/07/26	99	60 - 130	88	60 - 130	96	%		
8132715	1,4-Difluorobenzene	2022/07/27	104	60 - 140	106	60 - 140	106	%		
8132715	4-Bromofluorobenzene	2022/07/27	98	60 - 140	97	60 - 140	93	%		
8132715	D10-o-Xylene	2022/07/27	104	60 - 140	96	60 - 140	100	%		
8132715	D4-1,2-Dichloroethane	2022/07/27	101	60 - 140	104	60 - 140	98	%		
8132745	D10-Anthracene	2022/07/27	87	50 - 130	90	50 - 130	94	%		
8132745	D14-Terphenyl (FS)	2022/07/27	83	50 - 130	88	50 - 130	91	%		
8132745	D8-Acenaphthylene	2022/07/27	87	50 - 130	90	50 - 130	88	%		
8135803	o-Terphenyl	2022/07/28	90	60 - 130	90	60 - 130	96	%		
8138644	2,4,5,6-Tetrachloro-m-xylene	2022/07/30	83	50 - 130	81	50 - 130	88	%		
8138644	Decachlorobiphenyl	2022/07/30	95	50 - 130	109	50 - 130	87	%		
8155724	2,4,5,6-Tetrachloro-m-xylene	2022/08/10	79	50 - 130	84	50 - 130	86	%		
8155724	Decachlorobiphenyl	2022/08/10	91	50 - 130	109	50 - 130	109	%		
8127188	Moisture	2022/07/23							1.5	20
8127218	Moisture	2022/07/23							1.3	20
8127484	Moisture	2022/07/23							0.81	20
8130811	1,1,1,2-Tetrachloroethane	2022/07/27	92	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
8130811	1,1,1-Trichloroethane	2022/07/27	97	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8130811	1,1,2,2-Tetrachloroethane	2022/07/27	79	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
8130811	1,1,2-Trichloroethane	2022/07/27	90	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8130811	1,1-Dichloroethane	2022/07/27	91	60 - 140	88	60 - 130	<0.040	ug/g	NC	50
8130811	1,1-Dichloroethylene	2022/07/27	101	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
8130811	1,2-Dichlorobenzene	2022/07/27	92	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
8130811	1,2-Dichloroethane	2022/07/27	83	60 - 140	86	60 - 130	<0.049	ug/g	NC	50
8130811	1,2-Dichloropropane	2022/07/27	89	60 - 140	89	60 - 130	<0.040	ug/g	NC	50
8130811	1,3-Dichlorobenzene	2022/07/27	100	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
8130811	1,4-Dichlorobenzene	2022/07/27	117	60 - 140	121	60 - 130	<0.040	ug/g	NC	50

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8130811	Acetone (2-Propanone)	2022/07/27	83	60 - 140	93	60 - 140	<0.49	ug/g	NC	50
8130811	Benzene	2022/07/27	89	60 - 140	88	60 - 130	<0.0060	ug/g	NC	50
8130811	Bromodichloromethane	2022/07/27	91	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
8130811	Bromoform	2022/07/27	83	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
8130811	Bromomethane	2022/07/27	99	60 - 140	94	60 - 140	<0.040	ug/g	NC	50
8130811	Carbon Tetrachloride	2022/07/27	98	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8130811	Chlorobenzene	2022/07/27	95	60 - 140	99	60 - 130	<0.040	ug/g	NC	50
8130811	Chloroform	2022/07/27	93	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
8130811	cis-1,2-Dichloroethylene	2022/07/27	93	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
8130811	cis-1,3-Dichloropropene	2022/07/27	97	60 - 140	95	60 - 130	<0.030	ug/g	NC	50
8130811	Dibromochloromethane	2022/07/27	86	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8130811	Dichlorodifluoromethane (FREON 12)	2022/07/27	122	60 - 140	113	60 - 140	<0.040	ug/g	NC	50
8130811	Ethylbenzene	2022/07/27	94	60 - 140	95	60 - 130	<0.010	ug/g	NC	50
8130811	Ethylene Dibromide	2022/07/27	82	60 - 140	92	60 - 130	<0.040	ug/g	NC	50
8130811	Hexane	2022/07/27	113	60 - 140	104	60 - 130	<0.040	ug/g	NC	50
8130811	Methyl Ethyl Ketone (2-Butanone)	2022/07/27	87	60 - 140	102	60 - 140	<0.40	ug/g	NC	50
8130811	Methyl Isobutyl Ketone	2022/07/27	86	60 - 140	101	60 - 130	<0.40	ug/g	NC	50
8130811	Methyl t-butyl ether (MTBE)	2022/07/27	87	60 - 140	88	60 - 130	<0.040	ug/g	NC	50
8130811	Methylene Chloride(Dichloromethane)	2022/07/27	106	60 - 140	106	60 - 130	<0.049	ug/g	NC	50
8130811	o-Xylene	2022/07/27	93	60 - 140	96	60 - 130	<0.020	ug/g	NC	50
8130811	p+m-Xylene	2022/07/27	100	60 - 140	102	60 - 130	<0.020	ug/g	NC	50
8130811	Styrene	2022/07/27	107	60 - 140	112	60 - 130	<0.040	ug/g	NC	50
8130811	Tetrachloroethylene	2022/07/27	93	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8130811	Toluene	2022/07/27	97	60 - 140	99	60 - 130	<0.020	ug/g	NC	50
8130811	Total Xylenes	2022/07/27					<0.020	ug/g	NC	50
8130811	trans-1,2-Dichloroethylene	2022/07/27	97	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8130811	trans-1,3-Dichloropropene	2022/07/27	112	60 - 140	113	60 - 130	<0.040	ug/g	NC	50
8130811	Trichloroethylene	2022/07/27	100	60 - 140	97	60 - 130	<0.010	ug/g	NC	50
8130811	Trichlorofluoromethane (FREON 11)	2022/07/27	97	60 - 140	91	60 - 130	<0.040	ug/g	NC	50
8130811	Vinyl Chloride	2022/07/27	93	60 - 140	87	60 - 130	<0.019	ug/g	NC	50
8131205	Chromium (VI)	2022/07/31	1.9 (1)	70 - 130	90	80 - 120	<0.18	ug/g	NC	35

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8131390	Aroclor 1242	2022/07/26					<0.010	ug/g	NC	50
8131390	Aroclor 1248	2022/07/26					<0.010	ug/g	NC	50
8131390	Aroclor 1254	2022/07/26					<0.010	ug/g	NC	50
8131390	Aroclor 1260	2022/07/26	109	30 - 130	99	30 - 130	<0.010	ug/g	NC	50
8131390	Total PCB	2022/07/26	109	30 - 130	99	30 - 130	<0.010	ug/g	NC	50
8132715	Benzene	2022/07/27	90	50 - 140	88	50 - 140	<0.020	ug/g	NC	50
8132715	Ethylbenzene	2022/07/27	100	50 - 140	93	50 - 140	<0.020	ug/g	NC	50
8132715	F1 (C6-C10) - BTEX	2022/07/27					<10	ug/g	NC	30
8132715	F1 (C6-C10)	2022/07/27	85	60 - 140	82	80 - 120	<10	ug/g	NC	30
8132715	o-Xylene	2022/07/27	96	50 - 140	89	50 - 140	<0.020	ug/g	NC	50
8132715	p+m-Xylene	2022/07/27	96	50 - 140	89	50 - 140	<0.040	ug/g	NC	50
8132715	Toluene	2022/07/27	92	50 - 140	85	50 - 140	<0.020	ug/g	NC	50
8132715	Total Xylenes	2022/07/27					<0.040	ug/g	NC	50
8132745	1-Methylnaphthalene	2022/07/27	105	50 - 130	107	50 - 130	<0.0050	ug/g	NC	40
8132745	2-Methylnaphthalene	2022/07/27	97	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
8132745	Acenaphthene	2022/07/27	96	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
8132745	Acenaphthylene	2022/07/27	89	50 - 130	90	50 - 130	<0.0050	ug/g	NC	40
8132745	Anthracene	2022/07/27	90	50 - 130	93	50 - 130	<0.0050	ug/g	NC	40
8132745	Benzo(a)anthracene	2022/07/27	100	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
8132745	Benzo(a)pyrene	2022/07/27	92	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
8132745	Benzo(b/j)fluoranthene	2022/07/27	88	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
8132745	Benzo(g,h,i)perylene	2022/07/27	90	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
8132745	Benzo(k)fluoranthene	2022/07/27	94	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
8132745	Chrysene	2022/07/27	97	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
8132745	Dibenzo(a,h)anthracene	2022/07/27	98	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
8132745	Fluoranthene	2022/07/27	96	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
8132745	Fluorene	2022/07/27	94	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
8132745	Indeno(1,2,3-cd)pyrene	2022/07/27	89	50 - 130	93	50 - 130	<0.0050	ug/g	NC	40
8132745	Naphthalene	2022/07/27	85	50 - 130	88	50 - 130	<0.0050	ug/g	NC	40
8132745	Phenanthrene	2022/07/27	91	50 - 130	93	50 - 130	<0.0050	ug/g	NC	40
8132745	Pyrene	2022/07/27	92	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8132808	Acid Extractable Antimony (Sb)	2022/07/28	92	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
8132808	Acid Extractable Arsenic (As)	2022/07/28	96	75 - 125	97	80 - 120	<1.0	ug/g	5.8	30
8132808	Acid Extractable Barium (Ba)	2022/07/28	NC	75 - 125	98	80 - 120	<0.50	ug/g	1.8	30
8132808	Acid Extractable Beryllium (Be)	2022/07/28	99	75 - 125	96	80 - 120	<0.20	ug/g	3.5	30
8132808	Acid Extractable Boron (B)	2022/07/28	92	75 - 125	97	80 - 120	<5.0	ug/g	NC	30
8132808	Acid Extractable Cadmium (Cd)	2022/07/28	97	75 - 125	96	80 - 120	<0.10	ug/g	NC	30
8132808	Acid Extractable Chromium (Cr)	2022/07/28	96	75 - 125	98	80 - 120	<1.0	ug/g	2.4	30
8132808	Acid Extractable Cobalt (Co)	2022/07/28	97	75 - 125	99	80 - 120	<0.10	ug/g	2.2	30
8132808	Acid Extractable Copper (Cu)	2022/07/28	95	75 - 125	98	80 - 120	<0.50	ug/g	3.5	30
8132808	Acid Extractable Lead (Pb)	2022/07/28	98	75 - 125	100	80 - 120	<1.0	ug/g	3.2	30
8132808	Acid Extractable Mercury (Hg)	2022/07/28	84	75 - 125	89	80 - 120	<0.050	ug/g		
8132808	Acid Extractable Molybdenum (Mo)	2022/07/28	98	75 - 125	99	80 - 120	<0.50	ug/g	NC	30
8132808	Acid Extractable Nickel (Ni)	2022/07/28	96	75 - 125	99	80 - 120	<0.50	ug/g	4.4	30
8132808	Acid Extractable Selenium (Se)	2022/07/28	96	75 - 125	97	80 - 120	<0.50	ug/g	NC	30
8132808	Acid Extractable Silver (Ag)	2022/07/28	94	75 - 125	95	80 - 120	<0.20	ug/g	NC	30
8132808	Acid Extractable Thallium (Tl)	2022/07/28	99	75 - 125	101	80 - 120	<0.050	ug/g	12	30
8132808	Acid Extractable Uranium (U)	2022/07/28	99	75 - 125	101	80 - 120	<0.050	ug/g	3.4	30
8132808	Acid Extractable Vanadium (V)	2022/07/28	94	75 - 125	100	80 - 120	<5.0	ug/g	0.77	30
8132808	Acid Extractable Zinc (Zn)	2022/07/28	NC	75 - 125	101	80 - 120	<5.0	ug/g	2.7	30
8132828	Acid Extractable Antimony (Sb)	2022/07/28	91	75 - 125	98	80 - 120	<0.20	ug/g	NC	30
8132828	Acid Extractable Arsenic (As)	2022/07/28	103	75 - 125	97	80 - 120	<1.0	ug/g	0.053	30
8132828	Acid Extractable Barium (Ba)	2022/07/28	NC	75 - 125	99	80 - 120	<0.50	ug/g	0.012	30
8132828	Acid Extractable Beryllium (Be)	2022/07/28	106	75 - 125	101	80 - 120	<0.20	ug/g	3.0	30
8132828	Acid Extractable Boron (B)	2022/07/28	97	75 - 125	98	80 - 120	<5.0	ug/g	1.8	30
8132828	Acid Extractable Cadmium (Cd)	2022/07/28	105	75 - 125	97	80 - 120	<0.10	ug/g	12	30
8132828	Acid Extractable Chromium (Cr)	2022/07/28	NC	75 - 125	99	80 - 120	<1.0	ug/g	0.73	30
8132828	Acid Extractable Cobalt (Co)	2022/07/28	105	75 - 125	100	80 - 120	<0.10	ug/g	1.6	30
8132828	Acid Extractable Copper (Cu)	2022/07/28	100	75 - 125	99	80 - 120	<0.50	ug/g	1.2	30
8132828	Acid Extractable Lead (Pb)	2022/07/28	106	75 - 125	102	80 - 120	<1.0	ug/g	0.39	30
8132828	Acid Extractable Mercury (Hg)	2022/07/28	97	75 - 125	93	80 - 120	<0.050	ug/g		
8132828	Acid Extractable Molybdenum (Mo)	2022/07/28	104	75 - 125	99	80 - 120	<0.50	ug/g	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8132828	Acid Extractable Nickel (Ni)	2022/07/28	NC	75 - 125	98	80 - 120	<0.50	ug/g	0.96	30
8132828	Acid Extractable Selenium (Se)	2022/07/28	100	75 - 125	97	80 - 120	<0.50	ug/g	NC	30
8132828	Acid Extractable Silver (Ag)	2022/07/28	98	75 - 125	95	80 - 120	<0.20	ug/g	NC	30
8132828	Acid Extractable Thallium (Tl)	2022/07/28	103	75 - 125	103	80 - 120	<0.050	ug/g	0.48	30
8132828	Acid Extractable Uranium (U)	2022/07/28	106	75 - 125	101	80 - 120	<0.050	ug/g	2.1	30
8132828	Acid Extractable Vanadium (V)	2022/07/28	NC	75 - 125	99	80 - 120	<5.0	ug/g	0.10	30
8132828	Acid Extractable Zinc (Zn)	2022/07/28	NC	75 - 125	95	80 - 120	<5.0	ug/g	0.29	30
8132993	Hot Water Ext. Boron (B)	2022/07/27	105	75 - 125	96	75 - 125	<0.050	ug/g	19	40
8133364	Conductivity	2022/07/27			102	90 - 110	<0.002	mS/cm	0.29	10
8135275	Conductivity	2022/07/28			102	90 - 110	<0.002	mS/cm	2.0	10
8135649	Available (CaCl2) pH	2022/07/28			100	97 - 103			0.084	N/A
8135667	Available (CaCl2) pH	2022/07/28			100	97 - 103			0.13	N/A
8135765	WAD Cyanide (Free)	2022/07/29	76	75 - 125	90	80 - 120	<0.01	ug/g	NC	35
8135803	F2 (C10-C16 Hydrocarbons)	2022/07/28	91	60 - 130	89	80 - 120	<10	ug/g	NC	30
8135803	F3 (C16-C34 Hydrocarbons)	2022/07/28	88	60 - 130	88	80 - 120	<50	ug/g	NC	30
8135803	F4 (C34-C50 Hydrocarbons)	2022/07/28	90	60 - 130	89	80 - 120	<50	ug/g	NC	30
8138644	a-Chlordane	2022/07/30	87	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40
8138644	Aldrin	2022/07/30	86	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
8138644	Aroclor 1242	2022/07/30					<0.015	ug/g	NC	40
8138644	Aroclor 1248	2022/07/30					<0.015	ug/g	NC	40
8138644	Aroclor 1254	2022/07/30					<0.015	ug/g	NC	40
8138644	Aroclor 1260	2022/07/30					<0.015	ug/g	NC	40
8138644	Dieldrin	2022/07/30	90	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
8138644	Endosulfan I (alpha)	2022/07/30	82	50 - 130	61	50 - 130	<0.0020	ug/g	NC	40
8138644	Endosulfan II (beta)	2022/07/30	74	50 - 130	57	50 - 130	<0.0020	ug/g	NC	40
8138644	Endrin	2022/07/30	89	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
8138644	g-Chlordane	2022/07/30	82	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40
8138644	Heptachlor epoxide	2022/07/30	87	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
8138644	Heptachlor	2022/07/30	109	50 - 130	105	50 - 130	<0.0020	ug/g	NC	40
8138644	Hexachlorobenzene	2022/07/30	87	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
8138644	Hexachlorobutadiene	2022/07/30	92	50 - 130	96	50 - 130	<0.0020	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8138644	Hexachloroethane	2022/07/30	71	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
8138644	Lindane	2022/07/30	81	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40
8138644	Methoxychlor	2022/07/30	111	50 - 130	85	50 - 130	<0.0050	ug/g	NC	40
8138644	o,p-DDD	2022/07/30	96	50 - 130	90	50 - 130	<0.0020	ug/g	NC	40
8138644	o,p-DDE	2022/07/30	86	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
8138644	o,p-DDT	2022/07/30	96	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40
8138644	p,p-DDD	2022/07/30	89	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
8138644	p,p-DDE	2022/07/30	103	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
8138644	p,p-DDT	2022/07/30	109	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
8155724	a-Chlordane	2022/08/10	99	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
8155724	Aldrin	2022/08/10	85	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
8155724	Aroclor 1242	2022/08/10					<0.015	ug/g	NC	40
8155724	Aroclor 1248	2022/08/10					<0.015	ug/g	NC	40
8155724	Aroclor 1254	2022/08/10					<0.015	ug/g	NC	40
8155724	Aroclor 1260	2022/08/10					<0.015	ug/g	NC	40
8155724	Dieldrin	2022/08/10	99	50 - 130	129	50 - 130	<0.0020	ug/g	NC	40
8155724	Endosulfan I (alpha)	2022/08/10	77	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
8155724	Endosulfan II (beta)	2022/08/10	92	50 - 130	109	50 - 130	<0.0020	ug/g	NC	40
8155724	Endrin	2022/08/10	94	50 - 130	124	50 - 130	<0.0020	ug/g	NC	40
8155724	g-Chlordane	2022/08/10	95	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
8155724	Heptachlor epoxide	2022/08/10	89	50 - 130	103	50 - 130	<0.0020	ug/g	NC	40
8155724	Heptachlor	2022/08/10	88	50 - 130	90	50 - 130	<0.0020	ug/g	NC	40
8155724	Hexachlorobenzene	2022/08/10	92	50 - 130	102	50 - 130	<0.0020	ug/g	NC	40
8155724	Hexachlorobutadiene	2022/08/10	96	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
8155724	Hexachloroethane	2022/08/10	83	50 - 130	91	50 - 130	<0.0020	ug/g	NC	40
8155724	Lindane	2022/08/10	77	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
8155724	Methoxychlor	2022/08/10	115	50 - 130	142 (2)	50 - 130	<0.0050	ug/g	NC	40
8155724	o,p-DDD	2022/08/10	93	50 - 130	114	50 - 130	<0.0020	ug/g	NC	40
8155724	o,p-DDE	2022/08/10	86	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
8155724	o,p-DDT	2022/08/10	96	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
8155724	p,p-DDD	2022/08/10	86	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8155724	p,p-DDE	2022/08/10	98	50 - 130	112	50 - 130	<0.0020	ug/g	NC	40
8155724	p,p-DDT	2022/08/10	109	50 - 130	122	50 - 130	<0.0020	ug/g	NC	40

N/A = Not Applicable

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

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

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

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

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

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

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

(1) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample. The sample was re-analyzed with the same results

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

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VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist

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

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

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CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

22-Jul-22 18:12
Ashton Gibson
C2K6969
URE ENV-1722

Invoice Information		Report Information (if differs from invoice)		Project Information	
Company:	#37360 Envision	Company:		Quotation #:	C20578
Contact Name:	Accounts Payable	Contact Name:	Shawna Lindrigan; Kyle Howard	P.O. #/ AFE#:	
Street Address:	40-6415 Northwest Dr	Street Address:		Project #:	22-0209,120
City:	Mississauga Prov: ON Postal Code: L4V 1X2	City:	Prov: Postal Code:	Site #:	
Phone:	905 659 9456	Phone:		Site Location:	Milton, 6728 Sixth Line
Email:	Payables@envisionconsultants.ca	Email:	Slindrigan@envisionconsultants.ca kHoward@envisionconsultants.ca	Site Location Province:	
Copies:		Copies:		Sampled By:	

Regulatory Criteria

REG 153: ☐ Table 1 ☐ Res/Park ☐ Med/Fine ☒ Table 2 ☐ Ind/Comm ☒ Course ☐ Table 3 ☐ Agri/other ☐ For RSC ☐ Table _____

OTHER: ☐ CCME ☐ Reg 406, Table: _____ ☐ Reg 558* ☐ Sanitary Sewer Bylaw *min 3 day TAT ☐ Storm Sewer Bylaw ☐ MISA Municipality _____ ☐ PWQO ☐ Other:

Include Criteria on Certificate of Analysis (check if yes): ☐

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

Regular Turnaround Time (TAT)
☒ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply
☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YY MM DD

Comments

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	FIELD FILTERED	FIELD PRESERVED	LAB FILTRATION REQUIRED	BTEX/ F1	F2 - F4	VOCs	Reg 153 metals and inorganics	Reg 153 ICPMS metals	Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	OCPs	PAH	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE
1	BH22-1 S1A	22	7	20	10	23	Soil							X			X		2	
2	S22-1	22	7	20	10	23	S							X					1	
3	BH22-1 S1B	22	7	20	10	30	S				X	X						X	4	
4	BH22-1 S4A	22	7	20	10	95	S				X	X							3	
5	BH22-1 S4B	22	7	20	10	95	S						X						3	
6	S22-2	22	7	20	10	95	S						X						3	
7	BH22-2 S1A	22	7	20	9	10	S							X			X		2	
8	BH22-2 S1B	22	7	20	9	10	S				X	X						X	4	
9	S22-3	22	7	20	9	00	S				X	X							3	
10	BH22-2 S3A	22	7	20	9	15	S				X	X							3	
11	BH22-2 S4B	22	7	20	9	20	S						X						3	
12																				

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present	✓		7			
Seal intact	✓		6			
Cooling media present	✓		16			

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

Temperature reading by:

Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM
1	22	7	22	5	00	1 Isabel / ISABEL	22	07	22	18	12
2						2					

Special Instructions

www.BVNA.com

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

CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

Invoice Information		Report Information (if differs from invoice)		Project Information	
Company:	#37360 EnVision Consultants Ltd	Company:		Quotation #:	LAB USE ONLY - PLACE STICKER HERE
Contact Name:	Accounts Payable	Contact Name:		P.O. #/ AFE#:	
Street Address:	40-6415 Northwest Drive	Street Address:		Project #:	22-0204-120 ~~22-0139~~
City:	Mississauga Prov: ON Postal Code: L4X1X1	City:	Prov: Postal Code:	Site #:	Milton ~~28 Nelson St~~ 6728
Phone:	905 - 659 - 9456	Phone:		Site Location:	Sixth Line / Rush Confirmation #:
Email:	payables@envisionconsultants.ca	Email:		Site Location Province:	
Copies:	jhoyles@envisionconsultants.ca	Copies:		Sampled By:	Kyle Howard

Regulatory Criteria

REG 153: [ ] Table 1 [ ] Res/Park [ ] Med/Fine; [X] Table 2 [ ] Ind/Comm [X] Course; [ ] Table 3 [ ] Agri/other [ ] For RSC; [ ] Table _____

OTHER: [ ] CCME [ ] Reg 406, Table: _____; [ ] Reg 558* [ ] Sanitary Sewer Bylaw; *min 3 day TAT [ ] Storm Sewer Bylaw; [ ] MISA Municipality _____; [ ] PWQO [ ] Other:

Include Criteria on Certificate of Analysis (check if yes): [ ]

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

Regular Turnaround Time (TAT): [X] 5 to 7 Day [ ] 10 Day

Rush Turnaround Time (TAT) Surcharges apply: [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] 4 Day

Date Required: YY MM DD

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE	Comments
1	BH22-3 S1A	22	7	20	13	35	Soil				X	X						X									4		
2	S22-4	22	7	20	13	35	Soil				~~X~~	~~X~~						X									1		
3	BH22-3 S1B	22	7	20	13	35	Soil							X			X										2		
4	BH22-3 S3A	22	7	20	13	40	S				X	X															3		
5	BH22-3 S4B	22	7	20	13	50	S						X														3		
6	BH22-5 S1A	22	7	21	8	40	S							X			X										2		
7	BH22-5 S1B	22	7	21	8	40	S				X	X						X									4		
8	BH22-5 ~~S2~~ S3A	22	7	21	8	~~50~~	S				X	X															3		
9	BH22-5 S4B	22	7	21	9	00	S						X														3		
10	~~6~~S22-1	22	7	20	12	10	S				X	X						X	X								4		
11	~~8~~ Trip Blank	22	7	21			S						X														1		
12																													

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

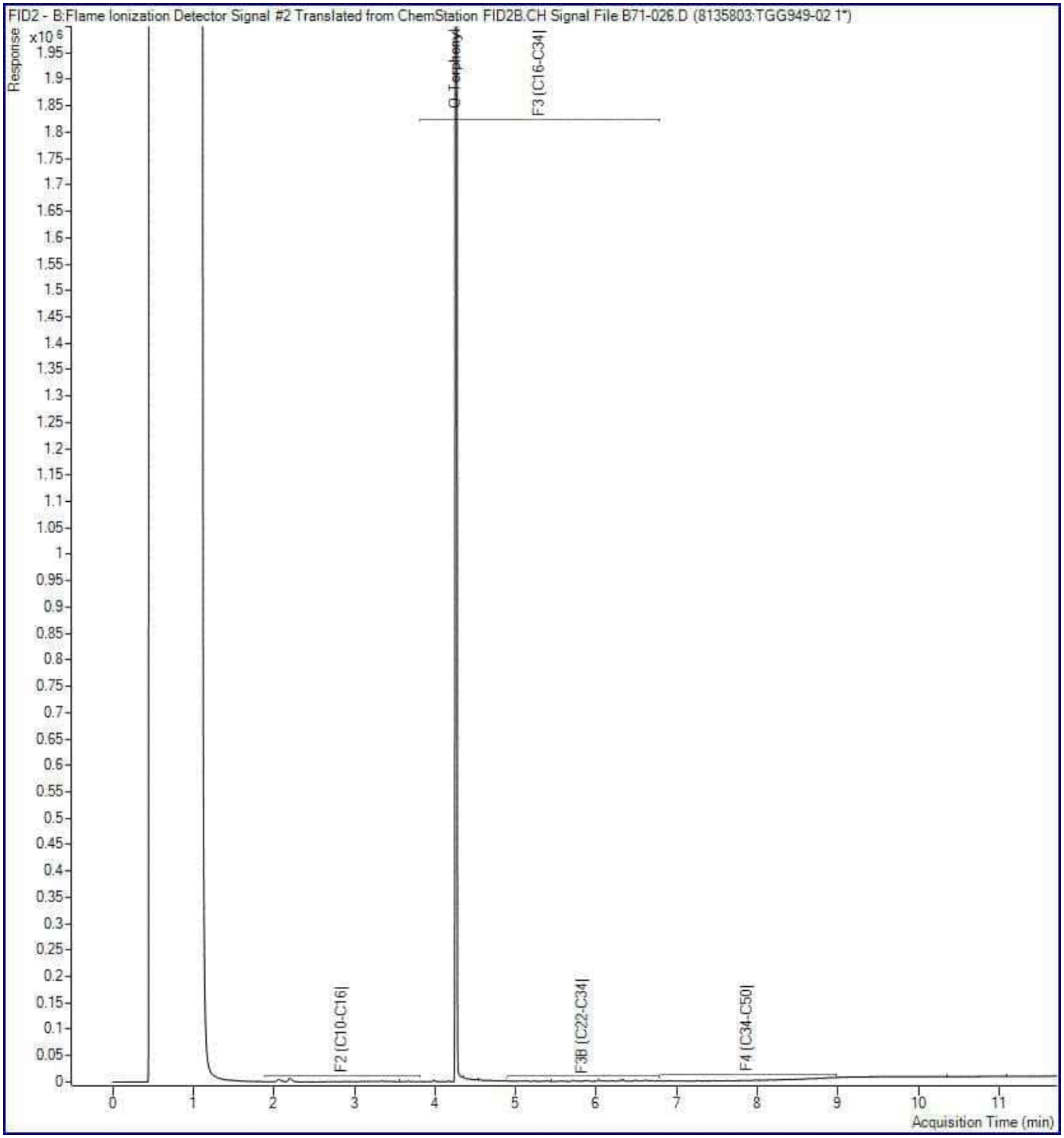
LAB USE ONLY	Yes	No	°C	1	2	3
Seal present	/		7			
Seal intact	/		6			
Cooling media present			16			

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3	Temperature reading by:
Seal present							
Seal intact							
Cooling media present							

Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Special instructions
1						1 ISABEL	22	07	22	18	12	
2						2						

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

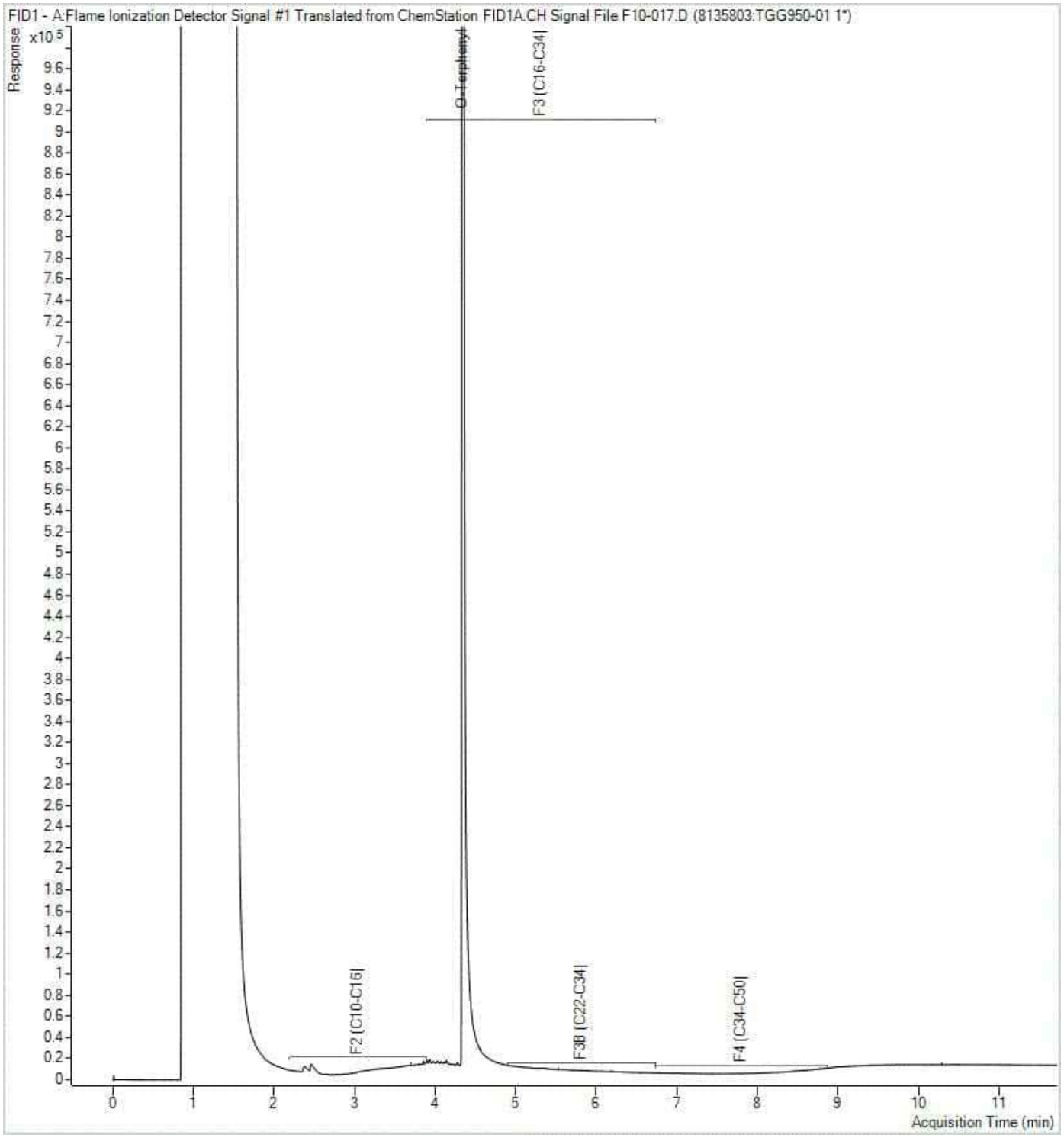


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG950

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: BH22-1 S4A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

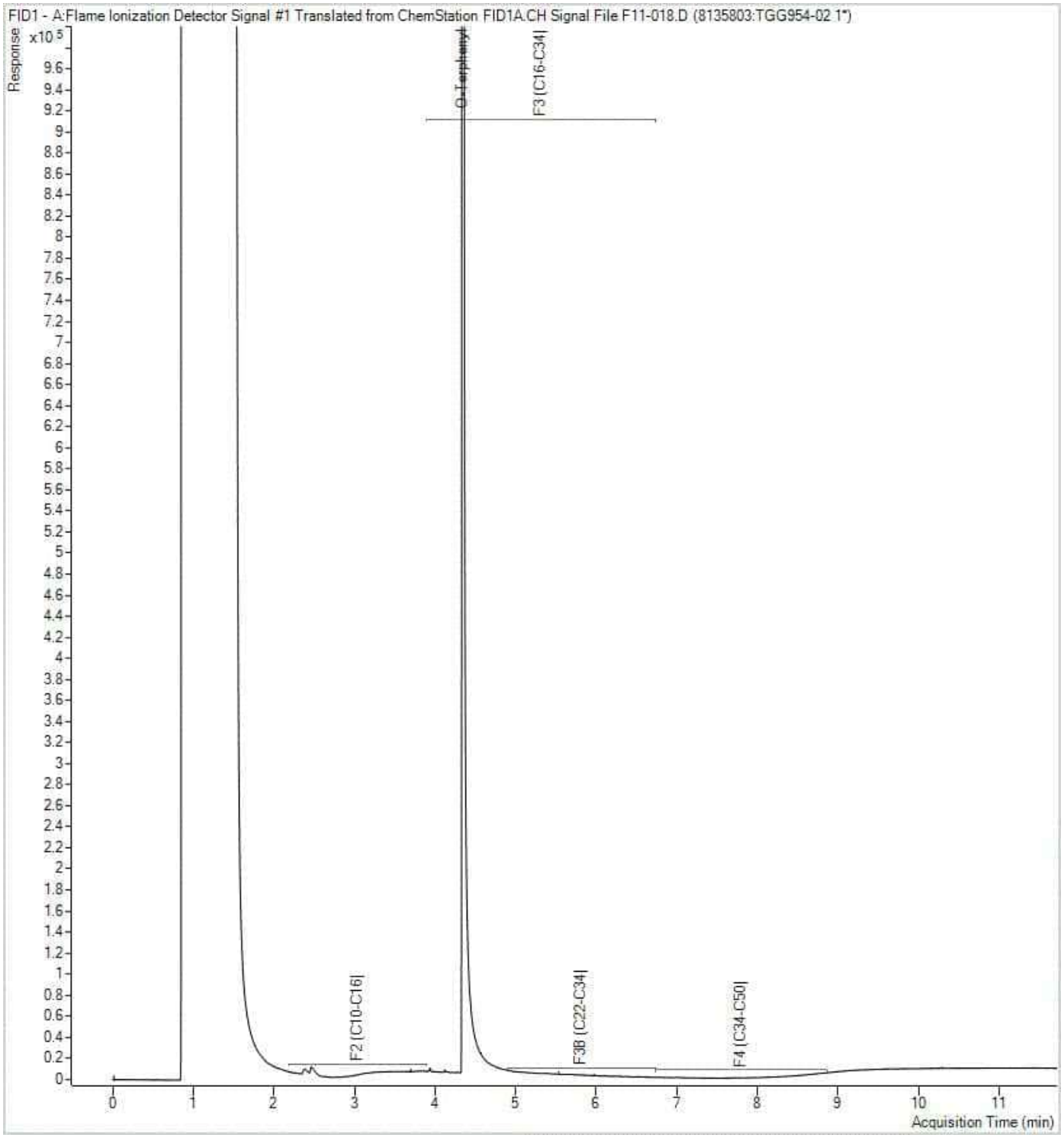


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG954

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: BH22-2 S1B

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

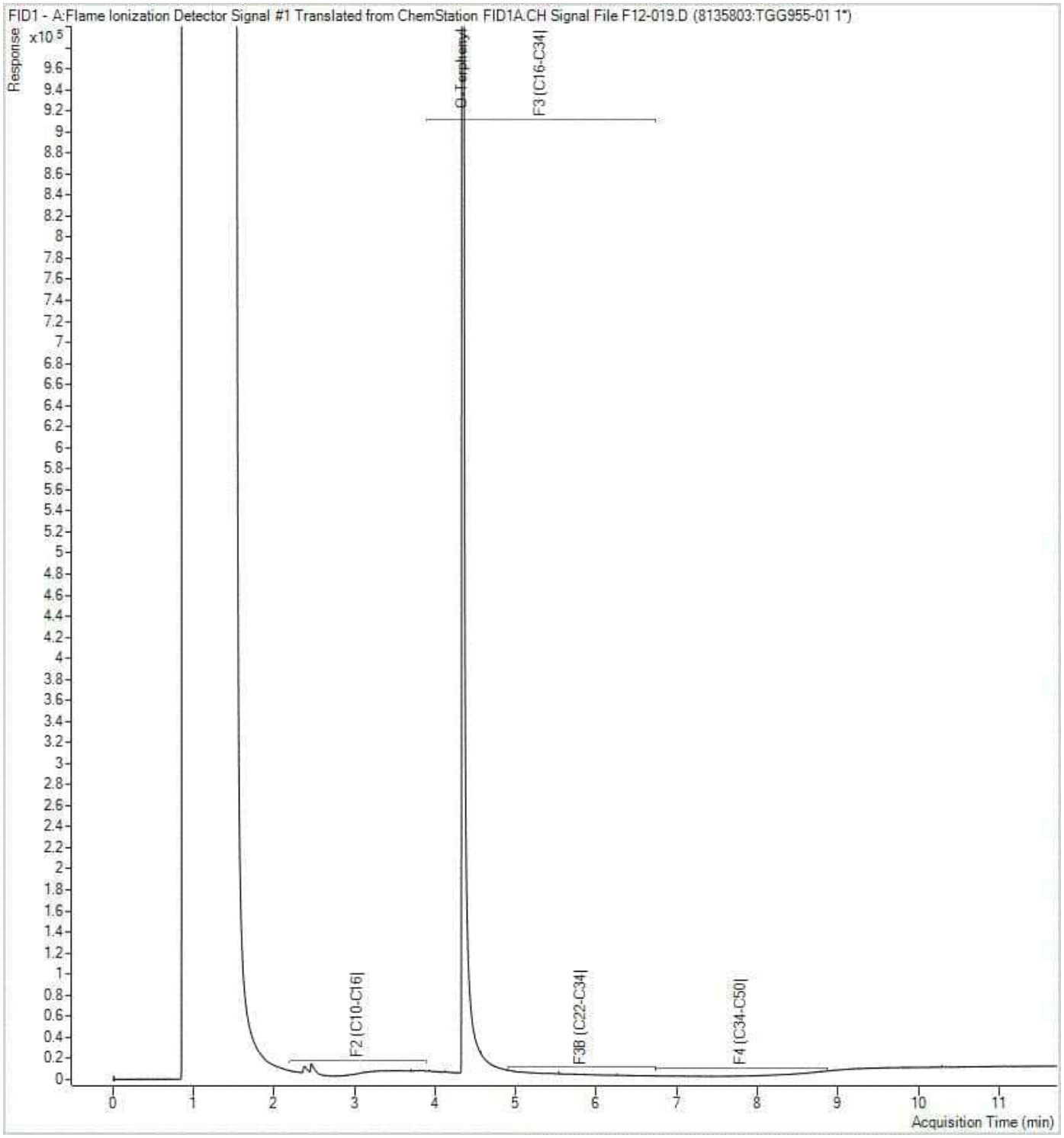


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG955

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: S22-3

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

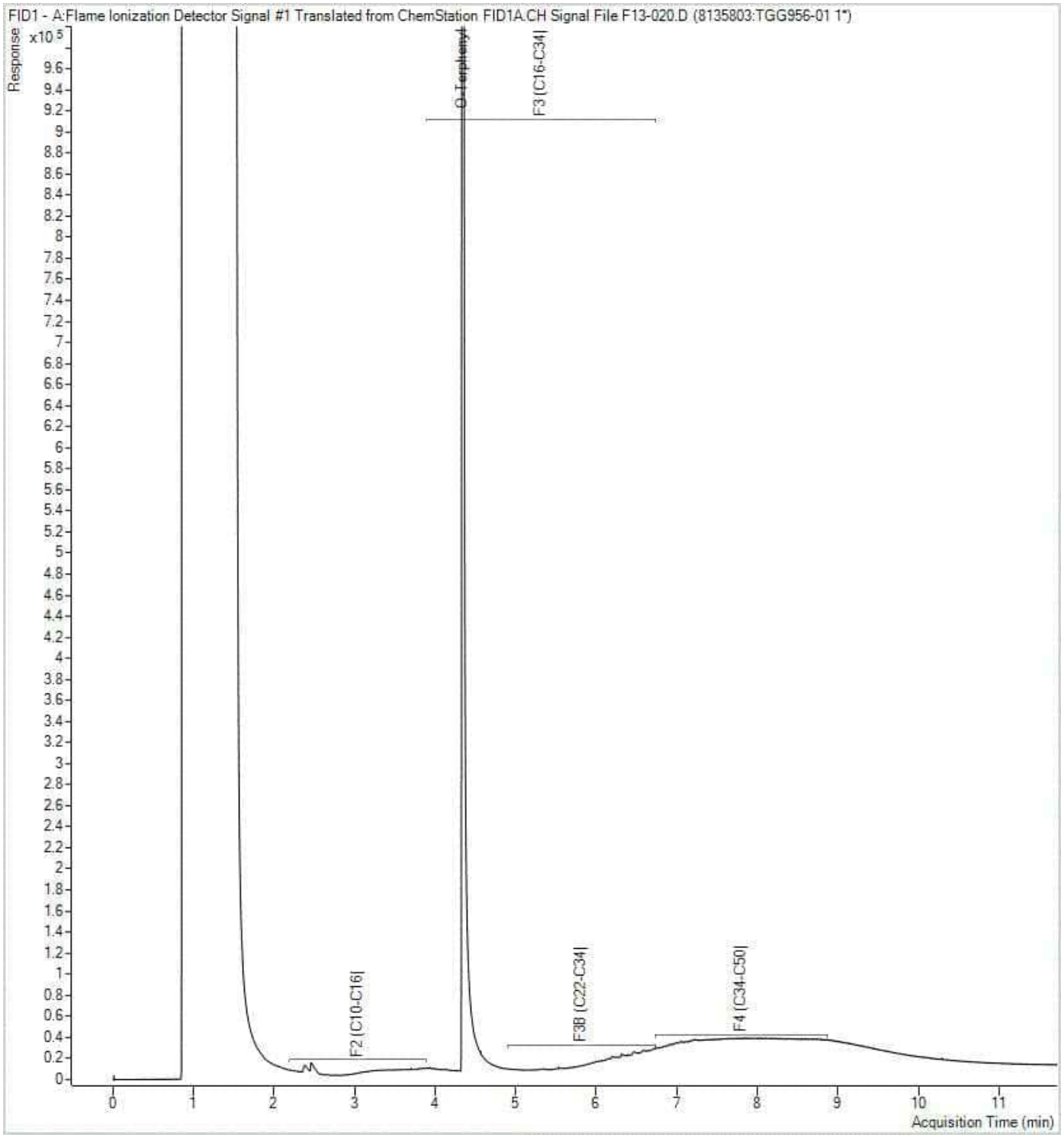


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG956

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: BH22-2 S3A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

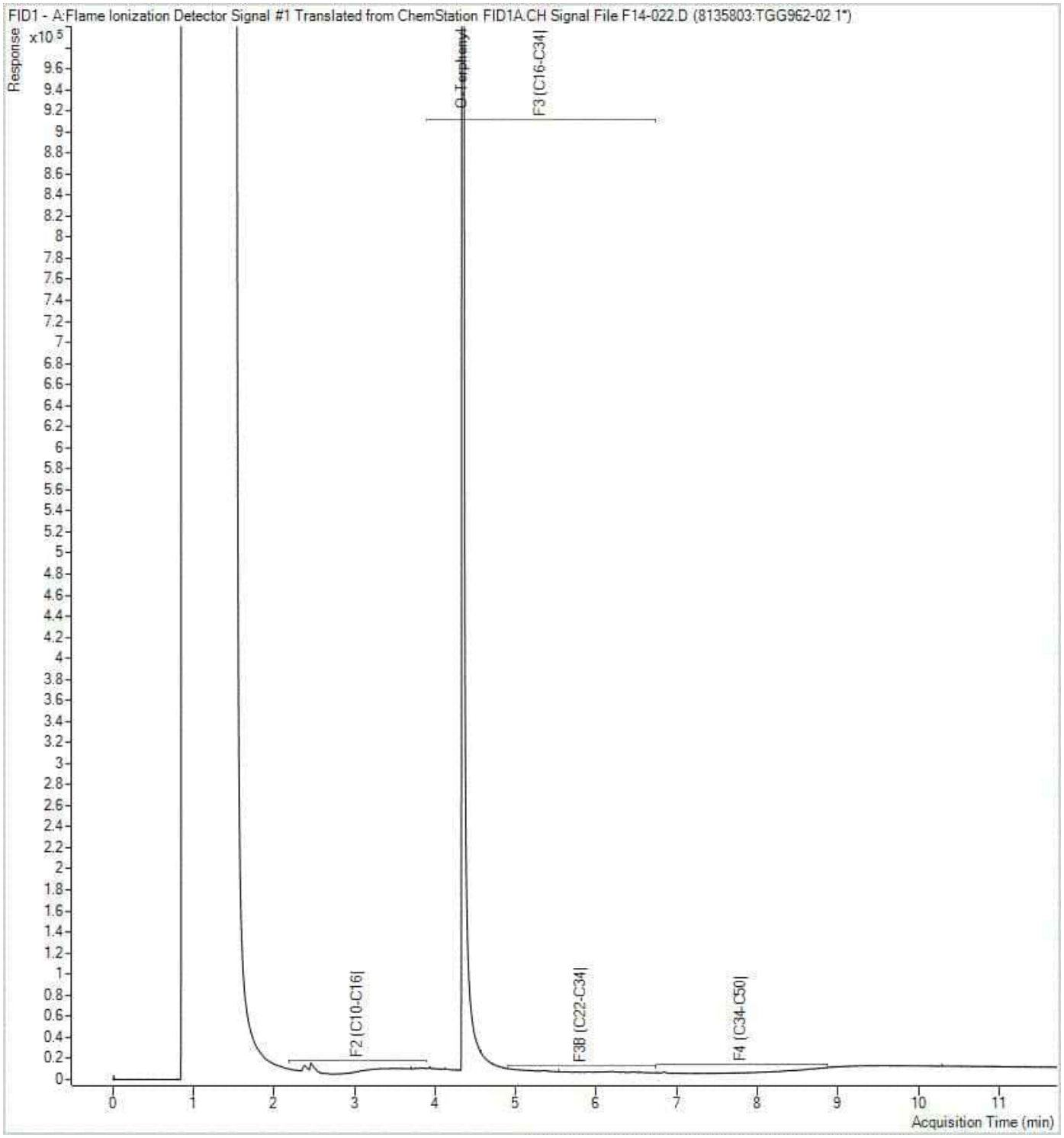


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG962

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: BH22-3 S1A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

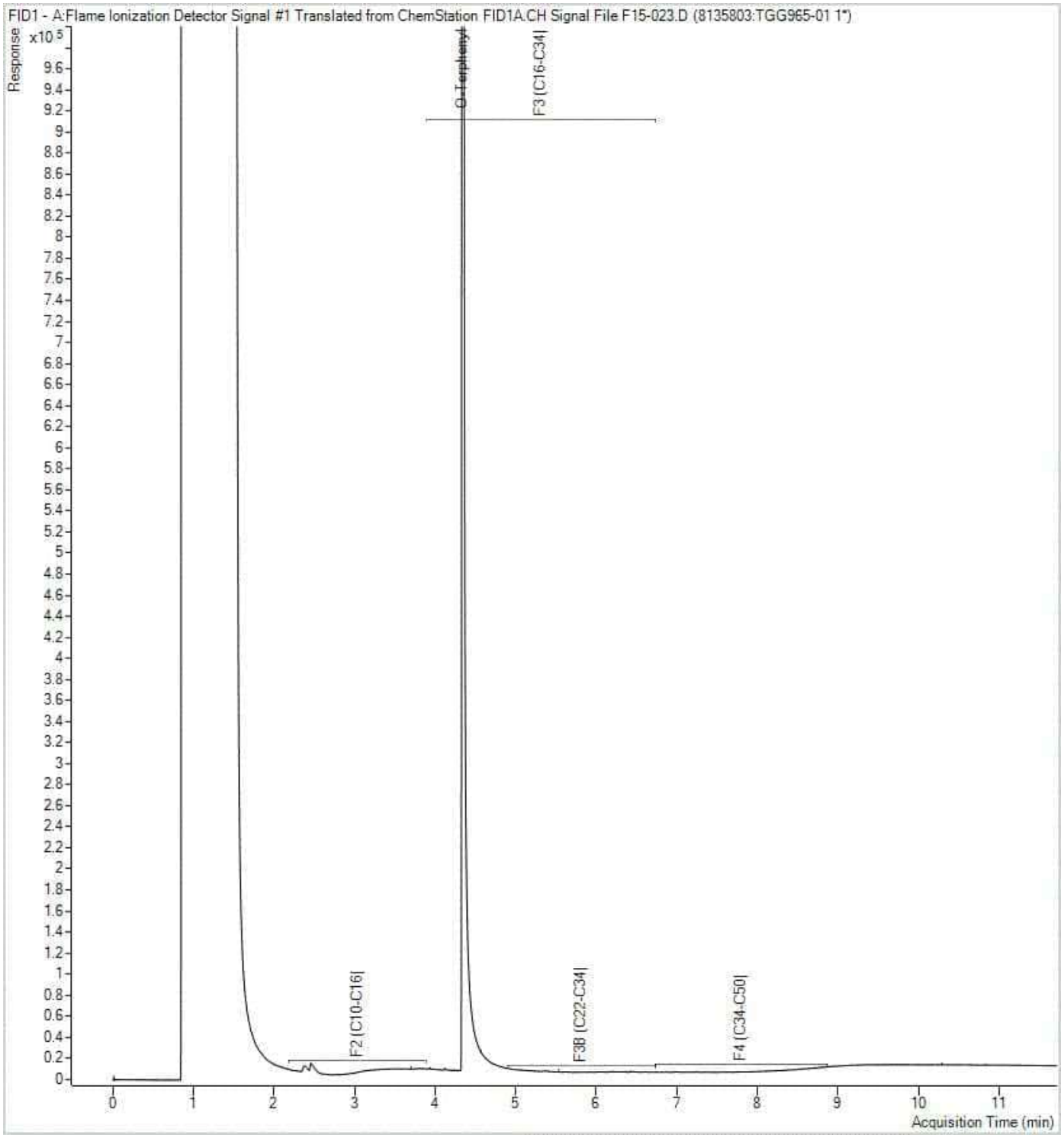


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG965

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: BH22-3 S3A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

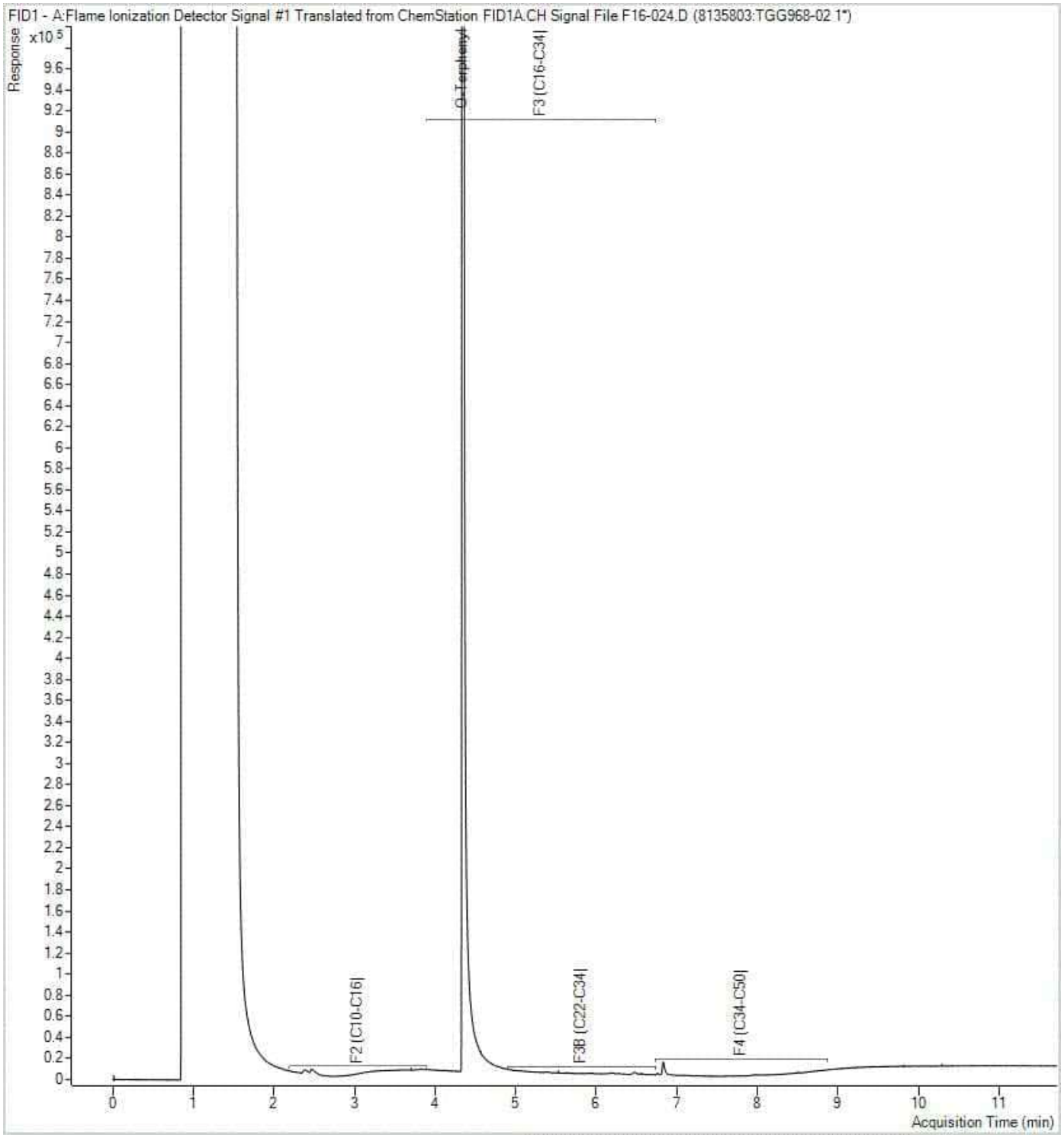


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG968

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: BH22-5 S1B

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

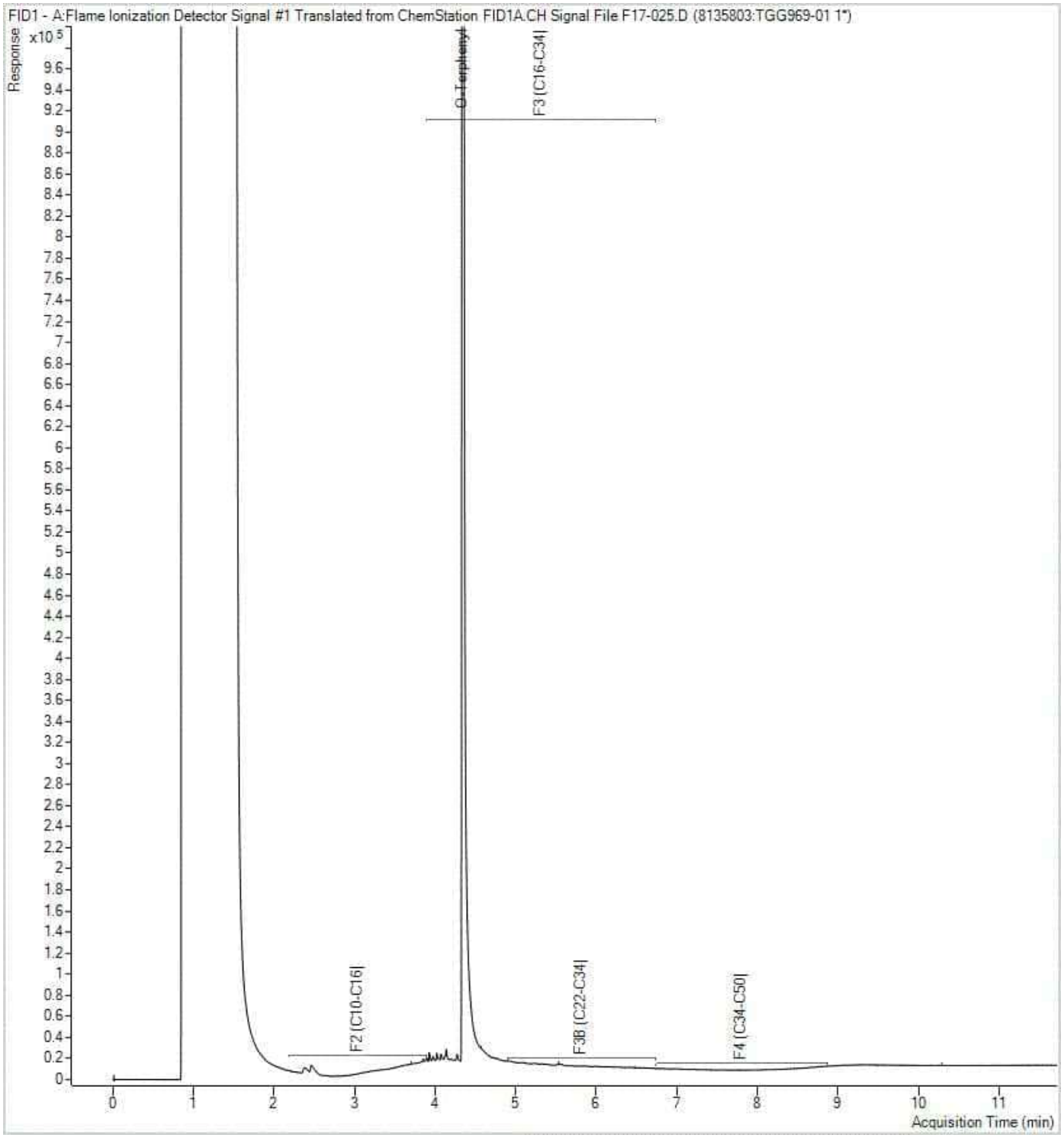


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG969

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: BH22-5 S3A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

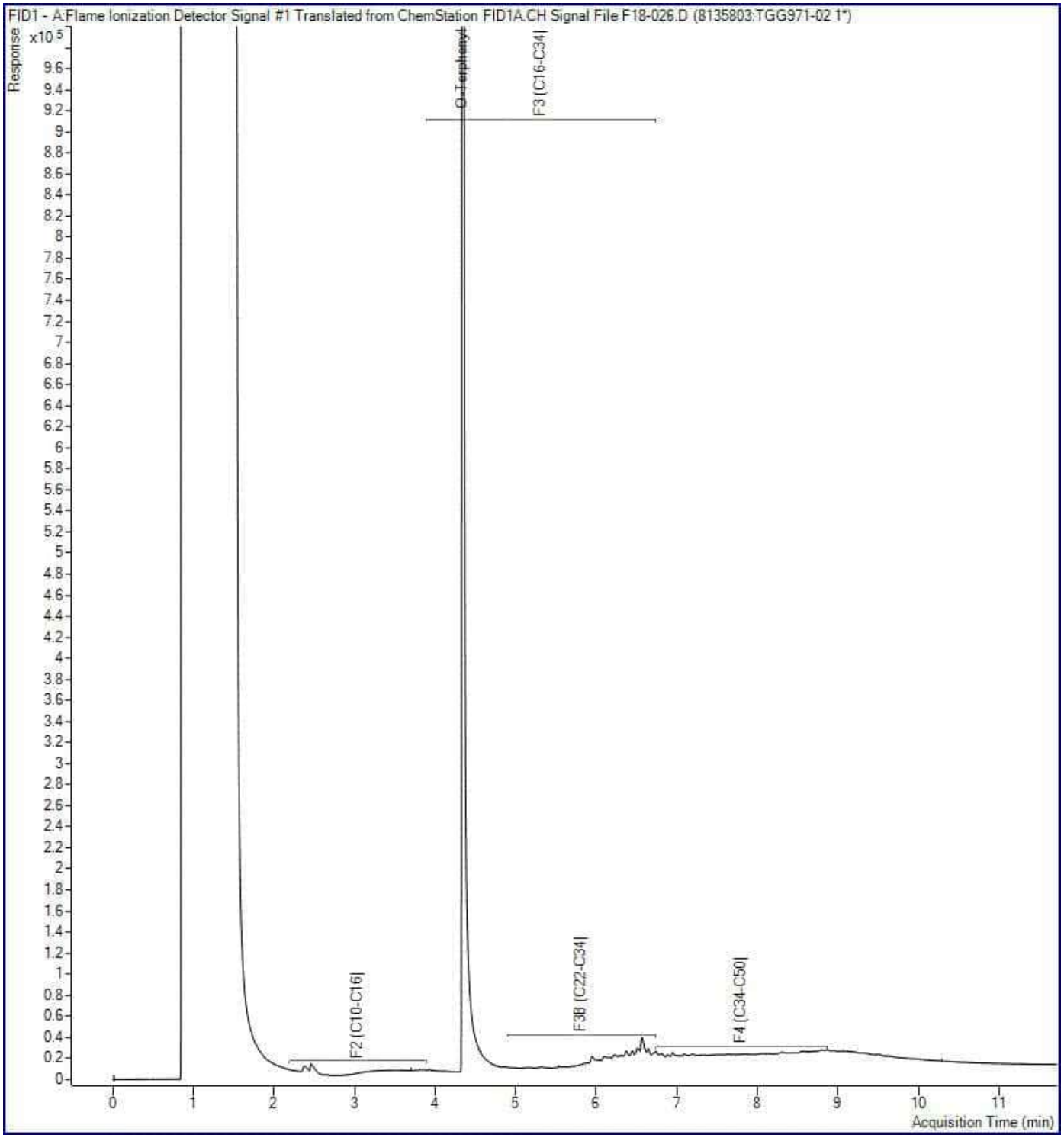


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11
Bureau Veritas Sample: TGG971

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Project name: MILTON, 6728 SIXTH LINE
Client ID: GS22-1

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Bureau Veritas Job #: C2K6969
Report Date: 2022/08/11

EnVision Consultants Ltd.
Client Project #: 22-0209.120
Site Location: MILTON, 6728 SIXTH LINE
Sampler Initials: KH

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

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
BH22-1 S1A	TGG947-01	a-Chlordane	0.05	0.073	0.020	ug/g
BH22-1 S1A	TGG947-01	Chlordane (Total)	0.05	0.11	0.020	ug/g
BH22-1 S1A	TGG947-02	Acid Extractable Mercury (Hg)	0.27	0.33	0.050	ug/g
S22-1	TGG948-01	Acid Extractable Mercury (Hg)	0.27	0.41	0.050	ug/g
BH22-5 S1A	TGG967-02	Acid Extractable Mercury (Hg)	0.27	0.73	0.050	ug/g

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

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

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE MILTON, ON / PHASE TWO ESA
Your C.O.C. #: 878051-04-01

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/04
Report #: R7239839
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2K9862
Received: 2022/07/26, 17:25

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	1	N/A	2022/08/02	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron	1	2022/07/29	2022/07/29	CAM SOP-00408	R153 Ana. Prot. 2011
1,3-Dichloropropene Sum	2	N/A	2022/07/29		EPA 8260C m
Free (WAD) Cyanide	1	2022/07/28	2022/07/30	CAM SOP-00457	OMOE E3015 m
Conductivity	1	2022/08/02	2022/08/02	CAM SOP-00414	OMOE E3530 v1 m
Hexavalent Chromium in Soil by IC (1)	1	2022/07/28	2022/08/02	CAM SOP-00436	EPA 3060/7199 m
Petroleum Hydro. CCME F1 & BTEX in Soil (2)	2	N/A	2022/07/29	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (3)	2	2022/07/29	2022/08/01	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	1	2022/07/28	2022/07/30	CAM SOP-00447	EPA 6020B m
Moisture	4	N/A	2022/07/27	CAM SOP-00445	Carter 2nd ed 51.2 m
PAH Compounds in Soil by GC/MS (SIM)	1	2022/07/29	2022/07/29	CAM SOP-00318	EPA 8270D m
pH CaCl2 EXTRACT	1	2022/07/29	2022/07/29	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR)	1	N/A	2022/08/03	CAM SOP-00102	EPA 6010C
Volatile Organic Compounds in Soil	2	N/A	2022/07/28	CAM SOP-00228	EPA 8260C m

Remarks:

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

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

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

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

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE MILTON, ON / PHASE TWO ESA
Your C.O.C. #: 878051-04-01

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/04
Report #: R7239839
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2K9862
Received: 2022/07/26, 17:25

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

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

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

(1) Soils are reported on a dry weight basis unless otherwise specified.
(2) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			TGX747		
Sampling Date			2022/07/22 11:00		
COC Number			878051-04-01		
	UNITS	Criteria	BH22-4 S1A	RDL	QC Batch
Calculated Parameters					
Sodium Adsorption Ratio	N/A	5.0	0.25 (1)		8132257
Inorganics					
Conductivity	mS/cm	0.7	0.19	0.002	8141795
Available (CaCl2) pH	pH	-	7.87		8138568
WAD Cyanide (Free)	ug/g	0.051	<0.01	0.01	8137133
Chromium (VI)	ug/g	10	<0.18	0.18	8135831
Metals					
Hot Water Ext. Boron (B)	ug/g	1.5	0.080	0.050	8138223
Acid Extractable Antimony (Sb)	ug/g	7.5	0.21	0.20	8136616
Acid Extractable Arsenic (As)	ug/g	18	4.4	1.0	8136616
Acid Extractable Barium (Ba)	ug/g	390	11	0.50	8136616
Acid Extractable Beryllium (Be)	ug/g	5	<0.20	0.20	8136616
Acid Extractable Boron (B)	ug/g	120	12	5.0	8136616
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.42	0.10	8136616
Acid Extractable Chromium (Cr)	ug/g	160	12	1.0	8136616
Acid Extractable Cobalt (Co)	ug/g	22	7.5	0.10	8136616
Acid Extractable Copper (Cu)	ug/g	180	18	0.50	8136616
Acid Extractable Lead (Pb)	ug/g	120	38	1.0	8136616
Acid Extractable Molybdenum (Mo)	ug/g	6.9	2.4	0.50	8136616
Acid Extractable Nickel (Ni)	ug/g	130	5.0	0.50	8136616
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	0.50	8136616
Acid Extractable Silver (Ag)	ug/g	25	<0.20	0.20	8136616
Acid Extractable Thallium (Tl)	ug/g	1	0.078	0.050	8136616
Acid Extractable Uranium (U)	ug/g	23	0.38	0.050	8136616

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil
(1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

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

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			TGX747		
Sampling Date			2022/07/22 11:00		
COC Number			878051-04-01		
	UNITS	Criteria	BH22-4 S1A	RDL	QC Batch
Acid Extractable Vanadium (V)	ug/g	86	<5.0	5.0	8136616
Acid Extractable Zinc (Zn)	ug/g	340	110	5.0	8136616
Acid Extractable Mercury (Hg)	ug/g	1.8	0.082	0.050	8136616

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

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

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

O.REG 153 PAHS (SOIL)

Bureau Veritas ID			TGX747		
Sampling Date			2022/07/22 11:00		
COC Number			878051-04-01		
	UNITS	Criteria	BH22-4 S1A	RDL	QC Batch
Inorganics					
Moisture	%	-	10	1.0	8133693
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/g	-	<0.0071	0.0071	8131922
Polyaromatic Hydrocarbons					
Acenaphthene	ug/g	29	<0.0050	0.0050	8137739
Acenaphthylene	ug/g	0.17	<0.0050	0.0050	8137739
Anthracene	ug/g	0.74	<0.0050	0.0050	8137739
Benzo(a)anthracene	ug/g	0.63	<0.0050	0.0050	8137739
Benzo(a)pyrene	ug/g	0.3	<0.0050	0.0050	8137739
Benzo(b/j)fluoranthene	ug/g	0.78	<0.0050	0.0050	8137739
Benzo(g,h,i)perylene	ug/g	7.8	<0.0050	0.0050	8137739
Benzo(k)fluoranthene	ug/g	0.78	<0.0050	0.0050	8137739
Chrysene	ug/g	7.8	<0.0050	0.0050	8137739
Dibenzo(a,h)anthracene	ug/g	0.1	<0.0050	0.0050	8137739
Fluoranthene	ug/g	0.69	<0.0050	0.0050	8137739
Fluorene	ug/g	69	<0.0050	0.0050	8137739
Indeno(1,2,3-cd)pyrene	ug/g	0.48	<0.0050	0.0050	8137739
1-Methylnaphthalene	ug/g	3.4	<0.0050	0.0050	8137739
2-Methylnaphthalene	ug/g	3.4	<0.0050	0.0050	8137739
Naphthalene	ug/g	0.75	<0.0050	0.0050	8137739
Phenanthrene	ug/g	7.8	<0.0050	0.0050	8137739
Pyrene	ug/g	78	<0.0050	0.0050	8137739
Surrogate Recovery (%)					
D10-Anthracene	%	-	98		8137739
D14-Terphenyl (FS)	%	-	95		8137739
D8-Acenaphthylene	%	-	88		8137739

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

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

Bureau Veritas Job #: C2K9862
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE MILTON, ON / PHASE TWO ESA
Sampler Initials: MC

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

Bureau Veritas ID			TGX748			TGX748			TGX749		
Sampling Date			2022/07/22 11:10			2022/07/22 11:10			2022/07/22 11:37		
COC Number			878051-04-01			878051-04-01			878051-04-01		
	UNITS	Criteria	BH22-4 1B	RDL	QC Batch	BH22-4 1B Lab-Dup	RDL	QC Batch	BH22-4 2B	RDL	QC Batch
Inorganics											
Moisture	%	-	20	1.0	8133693	20	1.0	8133693	20	1.0	8133693
BTEX & F1 Hydrocarbons											
Benzene	ug/g	0.17	<0.020	0.020	8136998				<0.020	0.020	8136998
Toluene	ug/g	6	<0.020	0.020	8136998				<0.020	0.020	8136998
Ethylbenzene	ug/g	1.6	<0.020	0.020	8136998				<0.020	0.020	8136998
o-Xylene	ug/g	-	<0.020	0.020	8136998				<0.020	0.020	8136998
p+m-Xylene	ug/g	-	<0.040	0.040	8136998				<0.040	0.040	8136998
Total Xylenes	ug/g	25	<0.040	0.040	8136998				<0.040	0.040	8136998
F1 (C6-C10)	ug/g	65	<10	10	8136998				<10	10	8136998
F1 (C6-C10) - BTEX	ug/g	65	<10	10	8136998				<10	10	8136998
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/g	150	<10	10	8137837				<10	10	8137837
F3 (C16-C34 Hydrocarbons)	ug/g	1300	<50	50	8137837				<50	50	8137837
F4 (C34-C50 Hydrocarbons)	ug/g	5600	<50	50	8137837				<50	50	8137837
Reached Baseline at C50	ug/g	-	Yes		8137837				Yes		8137837
Surrogate Recovery (%)											
1,4-Difluorobenzene	%	-	105		8136998				104		8136998
4-Bromofluorobenzene	%	-	98		8136998				97		8136998
D10-o-Xylene	%	-	107		8136998				108		8136998
D4-1,2-Dichloroethane	%	-	99		8136998				98		8136998
o-Terphenyl	%	-	88		8137837				93		8137837

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

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O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGX750			TGX750		
Sampling Date			2022/07/22 11:50			2022/07/22 11:50		
COC Number			878051-04-01			878051-04-01		
	UNITS	Criteria	BH22-4 3A	RDL	QC Batch	BH22-4 3A Lab-Dup	RDL	QC Batch
Inorganics								
Moisture	%	-	12	1.0	8133693			
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/g	0.081	<0.050	0.050	8130952			
Volatile Organics								
Acetone (2-Propanone)	ug/g	28	<0.49	0.49	8136127	<0.49	0.49	8136127
Benzene	ug/g	0.17	<0.0060	0.0060	8136127	<0.0060	0.0060	8136127
Bromodichloromethane	ug/g	1.9	<0.040	0.040	8136127	<0.040	0.040	8136127
Bromoform	ug/g	0.26	<0.040	0.040	8136127	<0.040	0.040	8136127
Bromomethane	ug/g	0.05	<0.040	0.040	8136127	<0.040	0.040	8136127
Carbon Tetrachloride	ug/g	0.12	<0.040	0.040	8136127	<0.040	0.040	8136127
Chlorobenzene	ug/g	2.7	<0.040	0.040	8136127	<0.040	0.040	8136127
Chloroform	ug/g	0.17	<0.040	0.040	8136127	<0.040	0.040	8136127
Dibromochloromethane	ug/g	2.9	<0.040	0.040	8136127	<0.040	0.040	8136127
1,2-Dichlorobenzene	ug/g	1.7	<0.040	0.040	8136127	<0.040	0.040	8136127
1,3-Dichlorobenzene	ug/g	6	<0.040	0.040	8136127	<0.040	0.040	8136127
1,4-Dichlorobenzene	ug/g	0.097	<0.040	0.040	8136127	<0.040	0.040	8136127
Dichlorodifluoromethane (FREON 12)	ug/g	25	<0.040	0.040	8136127	<0.040	0.040	8136127
1,1-Dichloroethane	ug/g	0.6	<0.040	0.040	8136127	<0.040	0.040	8136127
1,2-Dichloroethane	ug/g	0.05	<0.049	0.049	8136127	<0.049	0.049	8136127
1,1-Dichloroethylene	ug/g	0.05	<0.040	0.040	8136127	<0.040	0.040	8136127
cis-1,2-Dichloroethylene	ug/g	2.5	<0.040	0.040	8136127	<0.040	0.040	8136127
trans-1,2-Dichloroethylene	ug/g	0.75	<0.040	0.040	8136127	<0.040	0.040	8136127
1,2-Dichloropropane	ug/g	0.085	<0.040	0.040	8136127	<0.040	0.040	8136127
cis-1,3-Dichloropropene	ug/g	0.081	<0.030	0.030	8136127	<0.030	0.030	8136127
trans-1,3-Dichloropropene	ug/g	0.081	<0.040	0.040	8136127	<0.040	0.040	8136127
Ethylbenzene	ug/g	1.6	<0.010	0.010	8136127	<0.010	0.010	8136127

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

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O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGX750			TGX750		
Sampling Date			2022/07/22 11:50			2022/07/22 11:50		
COC Number			878051-04-01			878051-04-01		
	UNITS	Criteria	BH22-4 3A	RDL	QC Batch	BH22-4 3A Lab-Dup	RDL	QC Batch
Ethylene Dibromide	ug/g	0.05	<0.040	0.040	8136127	<0.040	0.040	8136127
Hexane	ug/g	34	<0.040	0.040	8136127	<0.040	0.040	8136127
Methylene Chloride(Dichloromethane)	ug/g	0.96	<0.049	0.049	8136127	<0.049	0.049	8136127
Methyl Ethyl Ketone (2-Butanone)	ug/g	44	<0.40	0.40	8136127	<0.40	0.40	8136127
Methyl Isobutyl Ketone	ug/g	4.3	<0.40	0.40	8136127	<0.40	0.40	8136127
Methyl t-butyl ether (MTBE)	ug/g	1.4	<0.040	0.040	8136127	<0.040	0.040	8136127
Styrene	ug/g	2.2	<0.040	0.040	8136127	<0.040	0.040	8136127
1,1,1,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	8136127	<0.040	0.040	8136127
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	8136127	<0.040	0.040	8136127
Tetrachloroethylene	ug/g	2.3	<0.040	0.040	8136127	<0.040	0.040	8136127
Toluene	ug/g	6	<0.020	0.020	8136127	<0.020	0.020	8136127
1,1,1-Trichloroethane	ug/g	3.4	<0.040	0.040	8136127	<0.040	0.040	8136127
1,1,2-Trichloroethane	ug/g	0.05	<0.040	0.040	8136127	<0.040	0.040	8136127
Trichloroethylene	ug/g	0.52	<0.010	0.010	8136127	<0.010	0.010	8136127
Trichlorofluoromethane (FREON 11)	ug/g	5.8	<0.040	0.040	8136127	<0.040	0.040	8136127
Vinyl Chloride	ug/g	0.022	<0.019	0.019	8136127	<0.019	0.019	8136127
p+m-Xylene	ug/g	-	<0.020	0.020	8136127	<0.020	0.020	8136127
o-Xylene	ug/g	-	<0.020	0.020	8136127	<0.020	0.020	8136127
Total Xylenes	ug/g	25	<0.020	0.020	8136127	<0.020	0.020	8136127
Surrogate Recovery (%)								
4-Bromofluorobenzene	%	-	88		8136127	89		8136127
D10-o-Xylene	%	-	89		8136127	90		8136127
D4-1,2-Dichloroethane	%	-	98		8136127	99		8136127
D8-Toluene	%	-	97		8136127	96		8136127

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGX751		
Sampling Date			2022/07/22		
COC Number			878051-04-01		
	UNITS	Criteria	FIELD BLANK	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/g	0.081	<0.050	0.050	8130952
Volatile Organics					
Acetone (2-Propanone)	ug/g	28	<0.49	0.49	8136127
Benzene	ug/g	0.17	<0.0060	0.0060	8136127
Bromodichloromethane	ug/g	1.9	<0.040	0.040	8136127
Bromoform	ug/g	0.26	<0.040	0.040	8136127
Bromomethane	ug/g	0.05	<0.040	0.040	8136127
Carbon Tetrachloride	ug/g	0.12	<0.040	0.040	8136127
Chlorobenzene	ug/g	2.7	<0.040	0.040	8136127
Chloroform	ug/g	0.17	<0.040	0.040	8136127
Dibromochloromethane	ug/g	2.9	<0.040	0.040	8136127
1,2-Dichlorobenzene	ug/g	1.7	<0.040	0.040	8136127
1,3-Dichlorobenzene	ug/g	6	<0.040	0.040	8136127
1,4-Dichlorobenzene	ug/g	0.097	<0.040	0.040	8136127
Dichlorodifluoromethane (FREON 12)	ug/g	25	<0.040	0.040	8136127
1,1-Dichloroethane	ug/g	0.6	<0.040	0.040	8136127
1,2-Dichloroethane	ug/g	0.05	<0.049	0.049	8136127
1,1-Dichloroethylene	ug/g	0.05	<0.040	0.040	8136127
cis-1,2-Dichloroethylene	ug/g	2.5	<0.040	0.040	8136127
trans-1,2-Dichloroethylene	ug/g	0.75	<0.040	0.040	8136127
1,2-Dichloropropane	ug/g	0.085	<0.040	0.040	8136127
cis-1,3-Dichloropropene	ug/g	0.081	<0.030	0.030	8136127
trans-1,3-Dichloropropene	ug/g	0.081	<0.040	0.040	8136127
Ethylbenzene	ug/g	1.6	<0.010	0.010	8136127

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

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

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O.REG 153 VOCS BY HS (SOIL)

Bureau Veritas ID			TGX751		
Sampling Date			2022/07/22		
COC Number			878051-04-01		
	UNITS	Criteria	FIELD BLANK	RDL	QC Batch
Ethylene Dibromide	ug/g	0.05	<0.040	0.040	8136127
Hexane	ug/g	34	<0.040	0.040	8136127
Methylene Chloride(Dichloromethane)	ug/g	0.96	<0.049	0.049	8136127
Methyl Ethyl Ketone (2-Butanone)	ug/g	44	<0.40	0.40	8136127
Methyl Isobutyl Ketone	ug/g	4.3	<0.40	0.40	8136127
Methyl t-butyl ether (MTBE)	ug/g	1.4	<0.040	0.040	8136127
Styrene	ug/g	2.2	<0.040	0.040	8136127
1,1,1,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	8136127
1,1,2,2-Tetrachloroethane	ug/g	0.05	<0.040	0.040	8136127
Tetrachloroethylene	ug/g	2.3	<0.040	0.040	8136127
Toluene	ug/g	6	<0.020	0.020	8136127
1,1,1-Trichloroethane	ug/g	3.4	<0.040	0.040	8136127
1,1,2-Trichloroethane	ug/g	0.05	<0.040	0.040	8136127
Trichloroethylene	ug/g	0.52	<0.010	0.010	8136127
Trichlorofluoromethane (FREON 11)	ug/g	5.8	<0.040	0.040	8136127
Vinyl Chloride	ug/g	0.022	<0.019	0.019	8136127
p+m-Xylene	ug/g	-	<0.020	0.020	8136127
o-Xylene	ug/g	-	<0.020	0.020	8136127
Total Xylenes	ug/g	25	<0.020	0.020	8136127
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	-	91		8136127
D10-o-Xylene	%	-	82		8136127
D4-1,2-Dichloroethane	%	-	95		8136127
D8-Toluene	%	-	111		8136127

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

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

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Bureau Veritas Job #: C2K9862
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE MILTON, ON / PHASE TWO ESA
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: TGX747
Sample ID: BH22-4 S1A
Matrix: Soil

Collected: 2022/07/22
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	8131922	N/A	2022/08/02	Automated Statchk
Hot Water Extractable Boron	ICP	8138223	2022/07/29	2022/07/29	Indira HarryPaul
Free (WAD) Cyanide	TECH	8137133	2022/07/28	2022/07/30	Kruti Jitesh Patel
Conductivity	AT	8141795	2022/08/02	2022/08/02	Roya Fathitil
Hexavalent Chromium in Soil by IC	IC/SPEC	8135831	2022/07/28	2022/08/02	Sousan Besharatlou
Acid Extractable Metals by ICPMS	ICP/MS	8136616	2022/07/28	2022/07/30	Medhat Nasr
Moisture	BAL	8133693	N/A	2022/07/27	Mathew Bowles
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	8137739	2022/07/29	2022/07/29	Jonghan Yoon
pH CaCl2 EXTRACT	AT	8138568	2022/07/29	2022/07/29	Taslima Aktar
Sodium Adsorption Ratio (SAR)	CALC/MET	8132257	N/A	2022/08/03	Automated Statchk

Bureau Veritas ID: TGX748
Sample ID: BH22-4 1B
Matrix: Soil

Collected: 2022/07/22
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8136998	N/A	2022/07/29	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8137837	2022/07/29	2022/08/01	Ksenia Trofimova
Moisture	BAL	8133693	N/A	2022/07/27	Mathew Bowles

Bureau Veritas ID: TGX748 Dup
Sample ID: BH22-4 1B
Matrix: Soil

Collected: 2022/07/22
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8133693	N/A	2022/07/27	Mathew Bowles

Bureau Veritas ID: TGX749
Sample ID: BH22-4 2B
Matrix: Soil

Collected: 2022/07/22
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8136998	N/A	2022/07/29	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8137837	2022/07/29	2022/08/01	Ksenia Trofimova
Moisture	BAL	8133693	N/A	2022/07/27	Mathew Bowles

Bureau Veritas ID: TGX750
Sample ID: BH22-4 3A
Matrix: Soil

Collected: 2022/07/22
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8130952	N/A	2022/07/29	Automated Statchk
Moisture	BAL	8133693	N/A	2022/07/27	Mathew Bowles
Volatile Organic Compounds in Soil	GC/MS	8136127	N/A	2022/07/28	Narayan Ghimire

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TEST SUMMARY

Bureau Veritas ID: TGX750 Dup
Sample ID: BH22-4 3A
Matrix: Soil

Collected: 2022/07/22
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds in Soil	GC/MS	8136127	N/A	2022/07/28	Narayan Ghimire

Bureau Veritas ID: TGX751
Sample ID: FIELD BLANK
Matrix: Soil

Collected: 2022/07/22
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8130952	N/A	2022/07/29	Automated Statchk
Volatile Organic Compounds in Soil	GC/MS	8136127	N/A	2022/07/28	Narayan Ghimire

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GENERAL COMMENTS

Sample TGX749 [BH22-4 2B] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8136127	4-Bromofluorobenzene	2022/07/28	96	60 - 140	97	60 - 140	89	%		
8136127	D10-o-Xylene	2022/07/28	101	60 - 130	100	60 - 130	93	%		
8136127	D4-1,2-Dichloroethane	2022/07/28	97	60 - 140	104	60 - 140	105	%		
8136127	D8-Toluene	2022/07/28	105	60 - 140	102	60 - 140	94	%		
8136998	1,4-Difluorobenzene	2022/07/28	104	60 - 140	106	60 - 140	105	%		
8136998	4-Bromofluorobenzene	2022/07/28	97	60 - 140	98	60 - 140	97	%		
8136998	D10-o-Xylene	2022/07/28	111	60 - 140	105	60 - 140	104	%		
8136998	D4-1,2-Dichloroethane	2022/07/28	99	60 - 140	94	60 - 140	99	%		
8137739	D10-Anthracene	2022/07/29	94	50 - 130	95	50 - 130	96	%		
8137739	D14-Terphenyl (FS)	2022/07/29	94	50 - 130	95	50 - 130	93	%		
8137739	D8-Acenaphthylene	2022/07/29	82	50 - 130	89	50 - 130	85	%		
8137837	o-Terphenyl	2022/08/02	101	60 - 130	79	60 - 130	86	%		
8133693	Moisture	2022/07/27							2.0	20
8135831	Chromium (VI)	2022/08/02	38 (1)	70 - 130	92	80 - 120	<0.18	ug/g	NC	35
8136127	1,1,1,2-Tetrachloroethane	2022/07/28	98	60 - 140	105	60 - 130	<0.040	ug/g	NC	50
8136127	1,1,1-Trichloroethane	2022/07/28	102	60 - 140	108	60 - 130	<0.040	ug/g	NC	50
8136127	1,1,2,2-Tetrachloroethane	2022/07/28	83	60 - 140	93	60 - 130	<0.040	ug/g	NC	50
8136127	1,1,2-Trichloroethane	2022/07/28	91	60 - 140	101	60 - 130	<0.040	ug/g	NC	50
8136127	1,1-Dichloroethane	2022/07/28	101	60 - 140	108	60 - 130	<0.040	ug/g	NC	50
8136127	1,1-Dichloroethylene	2022/07/28	106	60 - 140	110	60 - 130	<0.040	ug/g	NC	50
8136127	1,2-Dichlorobenzene	2022/07/28	107	60 - 140	100	60 - 130	<0.040	ug/g	NC	50
8136127	1,2-Dichloroethane	2022/07/28	89	60 - 140	100	60 - 130	<0.049	ug/g	NC	50
8136127	1,2-Dichloropropane	2022/07/28	93	60 - 140	100	60 - 130	<0.040	ug/g	NC	50
8136127	1,3-Dichlorobenzene	2022/07/28	107	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8136127	1,4-Dichlorobenzene	2022/07/28	125	60 - 140	116	60 - 130	<0.040	ug/g	NC	50
8136127	Acetone (2-Propanone)	2022/07/28	103	60 - 140	115	60 - 140	<0.49	ug/g	NC	50
8136127	Benzene	2022/07/28	95	60 - 140	102	60 - 130	<0.0060	ug/g	NC	50
8136127	Bromodichloromethane	2022/07/28	92	60 - 140	102	60 - 130	<0.040	ug/g	NC	50
8136127	Bromoform	2022/07/28	88	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8136127	Bromomethane	2022/07/28	102	60 - 140	107	60 - 140	<0.040	ug/g	NC	50
8136127	Carbon Tetrachloride	2022/07/28	100	60 - 140	105	60 - 130	<0.040	ug/g	NC	50

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8136127	Chlorobenzene	2022/07/28	101	60 - 140	107	60 - 130	<0.040	ug/g	NC	50
8136127	Chloroform	2022/07/28	99	60 - 140	107	60 - 130	<0.040	ug/g	NC	50
8136127	cis-1,2-Dichloroethylene	2022/07/28	100	60 - 140	109	60 - 130	<0.040	ug/g	NC	50
8136127	cis-1,3-Dichloropropene	2022/07/28	93	60 - 140	95	60 - 130	<0.030	ug/g	NC	50
8136127	Dibromochloromethane	2022/07/28	86	60 - 140	95	60 - 130	<0.040	ug/g	NC	50
8136127	Dichlorodifluoromethane (FREON 12)	2022/07/28	140	60 - 140	148 (2)	60 - 140	<0.040	ug/g	NC	50
8136127	Ethylbenzene	2022/07/28	94	60 - 140	97	60 - 130	<0.010	ug/g	NC	50
8136127	Ethylene Dibromide	2022/07/28	85	60 - 140	94	60 - 130	<0.040	ug/g	NC	50
8136127	Hexane	2022/07/28	121	60 - 140	123	60 - 130	<0.040	ug/g	NC	50
8136127	Methyl Ethyl Ketone (2-Butanone)	2022/07/28	106	60 - 140	121	60 - 140	<0.40	ug/g	NC	50
8136127	Methyl Isobutyl Ketone	2022/07/28	92	60 - 140	109	60 - 130	<0.40	ug/g	NC	50
8136127	Methyl t-butyl ether (MTBE)	2022/07/28	89	60 - 140	97	60 - 130	<0.040	ug/g	NC	50
8136127	Methylene Chloride(Dichloromethane)	2022/07/28	96	60 - 140	105	60 - 130	<0.049	ug/g	NC	50
8136127	o-Xylene	2022/07/28	95	60 - 140	99	60 - 130	<0.020	ug/g	NC	50
8136127	p+m-Xylene	2022/07/28	101	60 - 140	104	60 - 130	<0.020	ug/g	NC	50
8136127	Styrene	2022/07/28	102	60 - 140	109	60 - 130	<0.040	ug/g	NC	50
8136127	Tetrachloroethylene	2022/07/28	95	60 - 140	98	60 - 130	<0.040	ug/g	NC	50
8136127	Toluene	2022/07/28	97	60 - 140	101	60 - 130	<0.020	ug/g	NC	50
8136127	Total Xylenes	2022/07/28					<0.020	ug/g	NC	50
8136127	trans-1,2-Dichloroethylene	2022/07/28	101	60 - 140	108	60 - 130	<0.040	ug/g	NC	50
8136127	trans-1,3-Dichloropropene	2022/07/28	97	60 - 140	108	60 - 130	<0.040	ug/g	NC	50
8136127	Trichloroethylene	2022/07/28	101	60 - 140	109	60 - 130	<0.010	ug/g	NC	50
8136127	Trichlorofluoromethane (FREON 11)	2022/07/28	103	60 - 140	107	60 - 130	<0.040	ug/g	NC	50
8136127	Vinyl Chloride	2022/07/28	99	60 - 140	105	60 - 130	<0.019	ug/g	NC	50
8136616	Acid Extractable Antimony (Sb)	2022/07/29	98	75 - 125	104	80 - 120	<0.20	ug/g	NC	30
8136616	Acid Extractable Arsenic (As)	2022/07/29	106	75 - 125	98	80 - 120	<1.0	ug/g	0.17	30
8136616	Acid Extractable Barium (Ba)	2022/07/29	NC	75 - 125	100	80 - 120	<0.50	ug/g	1.5	30
8136616	Acid Extractable Beryllium (Be)	2022/07/29	109	75 - 125	101	80 - 120	<0.20	ug/g	4.5	30
8136616	Acid Extractable Boron (B)	2022/07/29	100	75 - 125	99	80 - 120	<5.0	ug/g	0.22	30
8136616	Acid Extractable Cadmium (Cd)	2022/07/29	106	75 - 125	101	80 - 120	<0.10	ug/g	0.83	30
8136616	Acid Extractable Chromium (Cr)	2022/07/29	109	75 - 125	99	80 - 120	<1.0	ug/g	1.5	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8136616	Acid Extractable Cobalt (Co)	2022/07/29	105	75 - 125	102	80 - 120	<0.10	ug/g	0.68	30
8136616	Acid Extractable Copper (Cu)	2022/07/29	96	75 - 125	100	80 - 120	<0.50	ug/g	5.3	30
8136616	Acid Extractable Lead (Pb)	2022/07/29	103	75 - 125	106	80 - 120	<1.0	ug/g	0.35	30
8136616	Acid Extractable Mercury (Hg)	2022/07/29	98	75 - 125	98	80 - 120	<0.050	ug/g		
8136616	Acid Extractable Molybdenum (Mo)	2022/07/29	109	75 - 125	102	80 - 120	<0.50	ug/g	6.8	30
8136616	Acid Extractable Nickel (Ni)	2022/07/29	104	75 - 125	102	80 - 120	<0.50	ug/g	0.92	30
8136616	Acid Extractable Selenium (Se)	2022/07/29	104	75 - 125	103	80 - 120	<0.50	ug/g	NC	30
8136616	Acid Extractable Silver (Ag)	2022/07/29	106	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
8136616	Acid Extractable Thallium (Tl)	2022/07/29	107	75 - 125	107	80 - 120	<0.050	ug/g	9.9	30
8136616	Acid Extractable Uranium (U)	2022/07/29	107	75 - 125	107	80 - 120	<0.050	ug/g	1.7	30
8136616	Acid Extractable Vanadium (V)	2022/07/29	NC	75 - 125	99	80 - 120	<5.0	ug/g	0.35	30
8136616	Acid Extractable Zinc (Zn)	2022/07/29	NC	75 - 125	102	80 - 120	<5.0	ug/g	2.2	30
8136998	Benzene	2022/07/28	102	50 - 140	94	50 - 140	<0.020	ug/g	NC	50
8136998	Ethylbenzene	2022/07/28	112	50 - 140	106	50 - 140	<0.020	ug/g	NC	50
8136998	F1 (C6-C10) - BTEX	2022/07/28					<10	ug/g	NC	30
8136998	F1 (C6-C10)	2022/07/28	97	60 - 140	92	80 - 120	<10	ug/g	NC	30
8136998	o-Xylene	2022/07/28	106	50 - 140	99	50 - 140	<0.020	ug/g	NC	50
8136998	p+m-Xylene	2022/07/28	107	50 - 140	101	50 - 140	<0.040	ug/g	NC	50
8136998	Toluene	2022/07/28	104	50 - 140	95	50 - 140	<0.020	ug/g	NC	50
8136998	Total Xylenes	2022/07/28					<0.040	ug/g	NC	50
8137133	WAD Cyanide (Free)	2022/07/30	98	75 - 125	91	80 - 120	<0.01	ug/g	NC	35
8137739	1-Methylnaphthalene	2022/07/29	94	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
8137739	2-Methylnaphthalene	2022/07/29	88	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
8137739	Acenaphthene	2022/07/29	93	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
8137739	Acenaphthylene	2022/07/29	89	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
8137739	Anthracene	2022/07/29	97	50 - 130	98	50 - 130	<0.0050	ug/g	NC	40
8137739	Benzo(a)anthracene	2022/07/29	103	50 - 130	103	50 - 130	<0.0050	ug/g	NC	40
8137739	Benzo(a)pyrene	2022/07/29	95	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
8137739	Benzo(b/j)fluoranthene	2022/07/29	93	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
8137739	Benzo(g,h,i)perylene	2022/07/29	90	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
8137739	Benzo(k)fluoranthene	2022/07/29	90	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8137739	Chrysene	2022/07/29	98	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
8137739	Dibenzo(a,h)anthracene	2022/07/29	90	50 - 130	93	50 - 130	<0.0050	ug/g	NC	40
8137739	Fluoranthene	2022/07/29	99	50 - 130	103	50 - 130	<0.0050	ug/g	NC	40
8137739	Fluorene	2022/07/29	92	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
8137739	Indeno(1,2,3-cd)pyrene	2022/07/29	93	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
8137739	Naphthalene	2022/07/29	81	50 - 130	91	50 - 130	<0.0050	ug/g	NC	40
8137739	Phenanthrene	2022/07/29	96	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
8137739	Pyrene	2022/07/29	101	50 - 130	103	50 - 130	<0.0050	ug/g	NC	40
8137837	F2 (C10-C16 Hydrocarbons)	2022/08/01	104	60 - 130	88	80 - 120	<10	ug/g	NC	30
8137837	F3 (C16-C34 Hydrocarbons)	2022/08/01	103	60 - 130	87	80 - 120	<50	ug/g	NC	30
8137837	F4 (C34-C50 Hydrocarbons)	2022/08/01	105	60 - 130	89	80 - 120	<50	ug/g	NC	30
8138223	Hot Water Ext. Boron (B)	2022/07/29	101	75 - 125	96	75 - 125	<0.050	ug/g	8.2	40
8138568	Available (CaCl2) pH	2022/07/29			100	97 - 103			0.23	N/A
8141795	Conductivity	2022/08/02			98	90 - 110	<0.002	mS/cm	9.3	10

N/A = Not Applicable

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

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

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

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

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

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

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

(1) The matrix spike recovery was below the lower control limit. This may be due in part to the reducing environment of the sample. The matrix spike was reanalyzed to confirm result.

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

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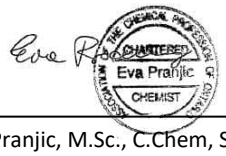
VALIDATION SIGNATURE PAGE

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



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

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

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

CHAIN OF

of

26-Jul-22 17:25
Ashton Gibson
C2K9862
AJH ENV-1743

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:			
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:		Quotation #:	C15420		
Attention:	Accounts Payable	Attention:		P.O. #:			
Address:	40-6415 Northwest Drive Mississauga ON L4V 1X1	Address:		Project:	22-0209	COC #:	Project Manager:
Tel:	(905) 659-9456 Fax:	Tel:	437 219 7301 Fax:	Project Name:	Phase Two ESA		
Email:	payables@envisionconsultants.ca; jhoyles@envisionco	Email:	slundrigan@envisionconsultants	Site #:	6728 Sixth Line Milton, ON	C#878051-04-01	Ashton Gibson
				Sampled By:	MC		

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

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

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

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	Metals + Inorganics	PHCs/BTEX	PAHs	VOCs	# of Bottles	Comments
1	BH22-4 S1A		07/20/22	11:00	Soil		X		X		2	
2	BH22-4 1B		↓	11:10	↓			X			3	
3	BH22-4 2B			11:37				X			3	
4	BH22-4 3A			11:50						X	3	
5	Field Blank		-	-						X		
6												
7												
8												
9												
10												

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
mcalvor	22/07/26		Thulasi V. Vanugopalan	2022/07/26	17:25	

Laboratory Use Only
Time Sensitive | Temperature (°C) on Recei: 7/3/5 | Custody Seal Present ✓ Intact | Yes ✓ | No

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

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

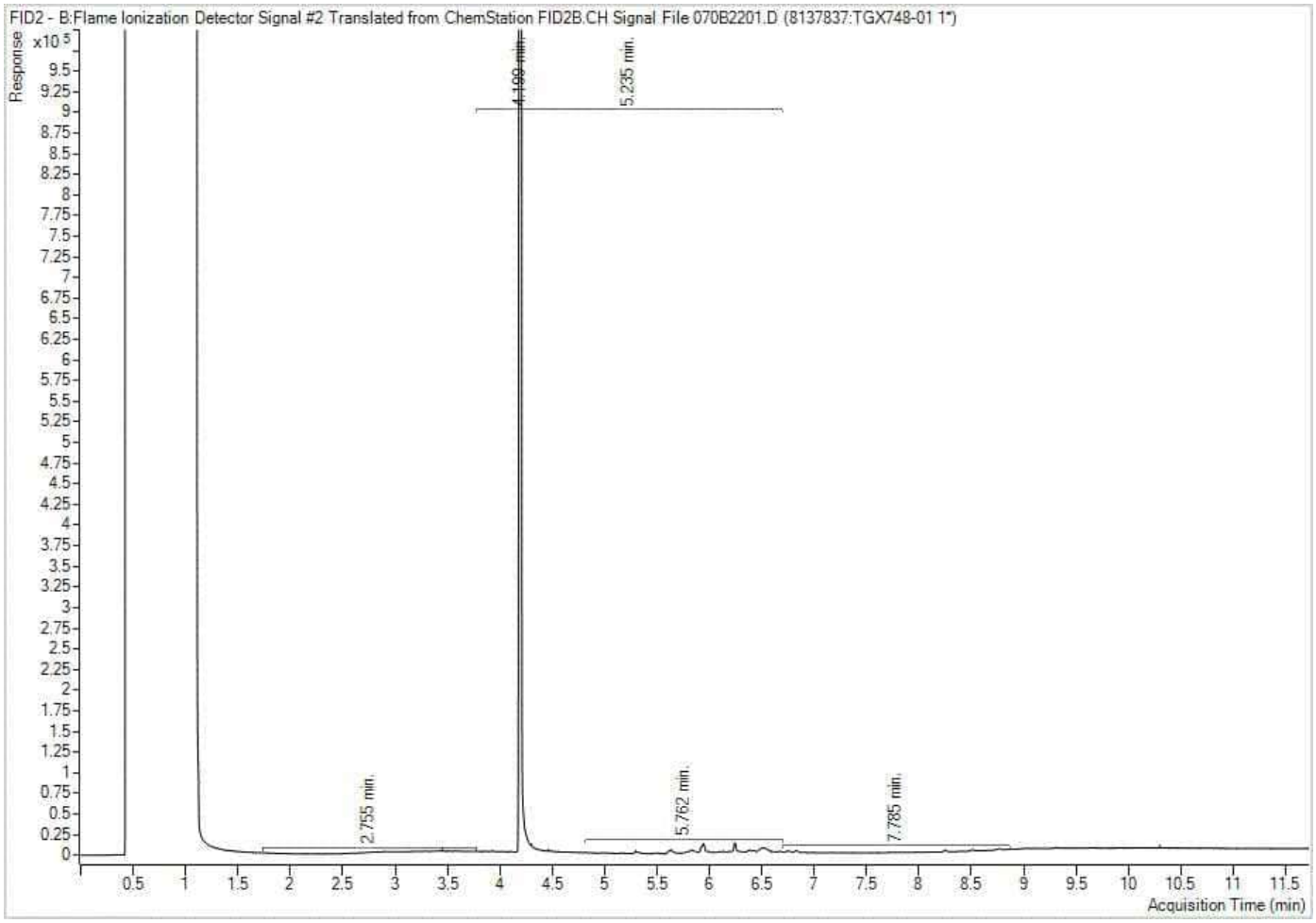
** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/RESOURCES/CHAIN-OF-CUSTODY-FORMS.

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

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

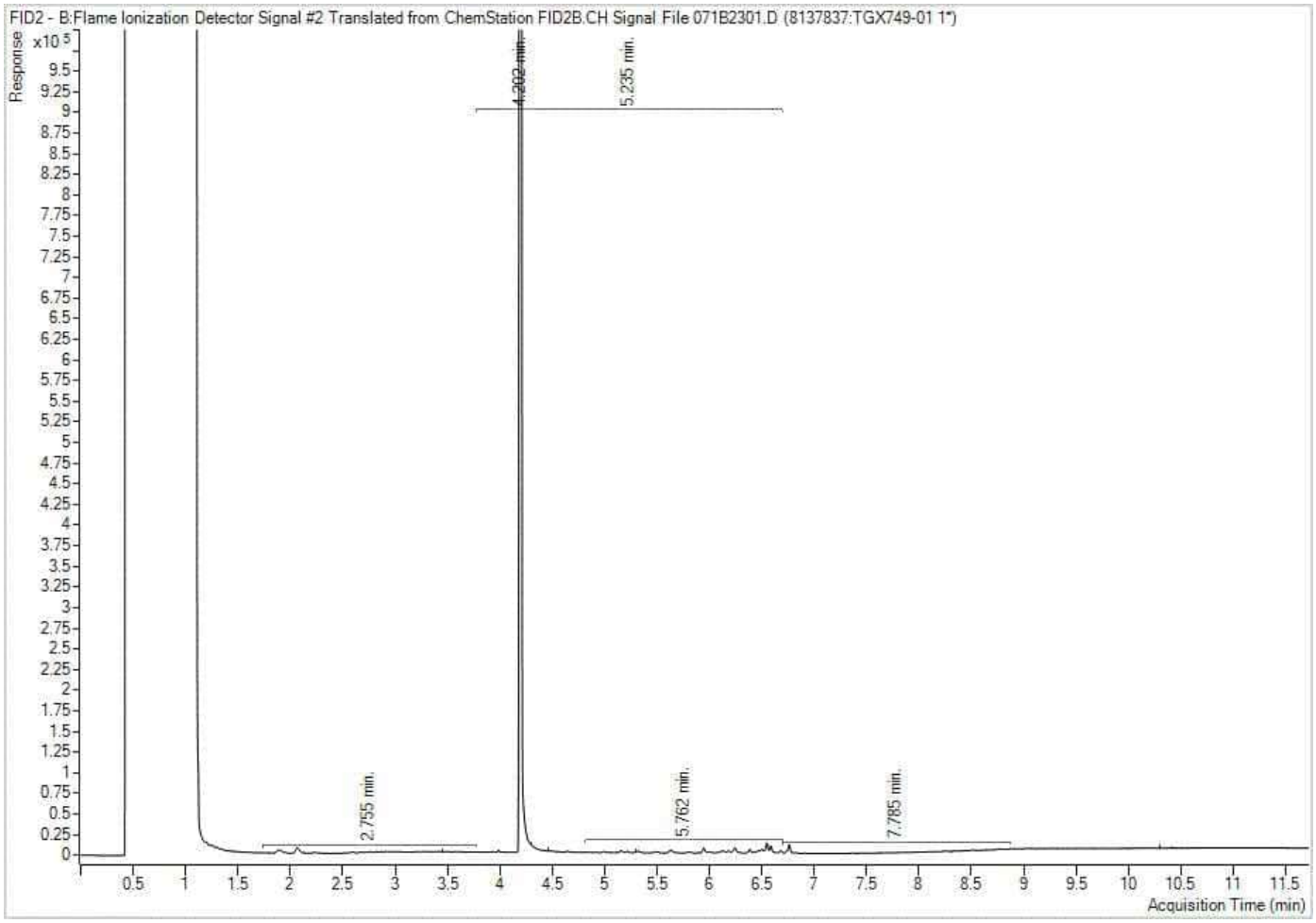


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K9862
Report Date: 2022/08/04
Bureau Veritas Sample: TGX749

EnVision Consultants Ltd.
Client Project #: 22-0209
Project name: 6728 SIXTH LINE MILTON, ON / PHASE TWO ESA
Client ID: BH22-4 2B

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Exceedance Summary Table – Reg153/04 T2-Soil/Res-F/M

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

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

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Your Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Your C.O.C. #: na

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/02
Report #: R7413753
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2S2270
Received: 2022/09/29, 10:05

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Moisture	5	N/A	2022/10/01	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	5	2022/10/11	2022/10/12	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	5	N/A	2022/10/03	CAM SOP-00307	EPA 8081/8082 m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Your Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Your C.O.C. #: na

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/02
Report #: R7413753
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2S2270
Received: 2022/09/29, 10:05

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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

Bureau Veritas Job #: C2S2270
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		TWJ670	TWJ671	TWJ672	TWJ673	TWJ674		
Sampling Date		2022/09/29 09:00	2022/09/29 09:10	2022/09/29 09:20	2022/09/29 09:30	2022/09/29		
COC Number		na	na	na	na	na		
	UNITS	**HA22-1A S1**	**HA22-1B S1**	**HA22-1C S1**	**HA22-1D S1**	**S22-6**	**RDL**	**QC Batch**
Inorganics								
Moisture	%	15	15	14	12	13	1.0	8259223

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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ORGANOCHLORINATED PESTICIDES BY GC-ECD (SOIL)

Bureau Veritas ID			TWJ670		TWJ671		TWJ672	TWJ673		
Sampling Date			2022/09/29 09:00		2022/09/29 09:10		2022/09/29 09:20	2022/09/29 09:30		
COC Number			na		na		na	na		
	UNITS	Criteria	HA22-1A S1	RDL	HA22-1B S1	RDL	HA22-1C S1	HA22-1D S1	RDL	QC Batch
Calculated Parameters										
Chlordane (Total)	ug/g	0.05	**0.32**	0.020	**0.58**	0.10	**0.36**	**0.31**	0.020	8257355
o,p-DDD + p,p-DDD	ug/g	3.3	<0.030	0.030	<0.040	0.040	<0.030	<0.030	0.030	8257355
o,p-DDE + p,p-DDE	ug/g	0.26	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8257355
o,p-DDT + p,p-DDT	ug/g	1.4	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8257355
Total Endosulfan	ug/g	0.05	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8257355
Total PCB	ug/g	0.35	<0.35	0.35	<0.35	0.35	<0.35	<0.35	0.35	8257355
Pesticides & Herbicides										
Aldrin	ug/g	0.05	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
a-Chlordane	ug/g	0.05	**0.22**	0.020	**0.38**	0.10	**0.26**	**0.21**	0.020	8275930
g-Chlordane	ug/g	0.05	**0.096**	0.020	**0.20**	0.10	**0.097**	**0.11**	0.020	8275930
o,p-DDD	ug/g	3.3	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
p,p-DDD	ug/g	3.3	<0.030	0.030	<0.040	0.040	<0.030	<0.030	0.030	8275930
o,p-DDE	ug/g	0.26	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
p,p-DDE	ug/g	0.26	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
o,p-DDT	ug/g	1.4	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
p,p-DDT	ug/g	1.4	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Dieldrin	ug/g	0.05	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Lindane	ug/g	0.056	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Endosulfan I (alpha)	ug/g	0.04	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Endosulfan II (beta)	ug/g	0.04	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Endrin	ug/g	0.04	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Heptachlor	ug/g	0.15	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Heptachlor epoxide	ug/g	0.05	0.011	0.0020	0.049	0.020	**0.068**	0.047	0.020	8275930
Hexachlorobenzene	ug/g	0.52	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Hexachlorobutadiene	ug/g	0.012	<0.010	0.010	<0.010	0.010	<0.010	<0.010	0.010	8275930
Hexachloroethane	ug/g	0.089	<0.020	0.020	<0.020	0.020	<0.020	<0.020	0.020	8275930
Methoxychlor	ug/g	0.13	<0.050	0.050	<0.050	0.050	<0.050	<0.050	0.050	8275930
Aroclor 1242	ug/g	-	<0.35	0.35	<0.35	0.35	<0.35	<0.35	0.35	8275930

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

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

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Bureau Veritas Job #: C2S2270
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

ORGANOCHLORINATED PESTICIDES BY GC-ECD (SOIL)

Bureau Veritas ID			TWJ670		TWJ671		TWJ672	TWJ673		
Sampling Date			2022/09/29 09:00		2022/09/29 09:10		2022/09/29 09:20	2022/09/29 09:30		
COC Number			na		na		na	na		
	UNITS	**Criteria**	**HA22-1A S1**	**RDL**	**HA22-1B S1**	**RDL**	**HA22-1C S1**	**HA22-1D S1**	**RDL**	**QC Batch**
Aroclor 1248	ug/g	-	<0.35	0.35	<0.35	0.35	<0.35	<0.35	0.35	8275930
Aroclor 1254	ug/g	-	<0.35	0.35	<0.35	0.35	<0.35	<0.35	0.35	8275930
Aroclor 1260	ug/g	-	<0.35	0.35	<0.35	0.35	<0.35	<0.35	0.35	8275930
Surrogate Recovery (%)										
2,4,5,6-Tetrachloro-m-xylene	%	-	101		86		73	81		8275930
Decachlorobiphenyl	%	-	124		112		102	102		8275930

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
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Bureau Veritas Job #: C2S2270
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

ORGANOCHLORINATED PESTICIDES BY GC-ECD (SOIL)

Bureau Veritas ID			TWJ674		
Sampling Date			2022/09/29		
COC Number			na		
	UNITS	Criteria	S22-6	RDL	QC Batch
Calculated Parameters					
Chlordane (Total)	ug/g	0.05	**0.52**	0.10	8257355
o,p-DDD + p,p-DDD	ug/g	3.3	<0.030	0.030	8257355
o,p-DDE + p,p-DDE	ug/g	0.26	<0.020	0.020	8257355
o,p-DDT + p,p-DDT	ug/g	1.4	<0.020	0.020	8257355
Total Endosulfan	ug/g	0.05	<0.020	0.020	8257355
Total PCB	ug/g	0.35	<0.35	0.35	8257355
Pesticides & Herbicides					
Aldrin	ug/g	0.05	<0.020	0.020	8275930
a-Chlordane	ug/g	0.05	**0.34**	0.10	8275930
g-Chlordane	ug/g	0.05	**0.17**	0.10	8275930
o,p-DDD	ug/g	3.3	<0.020	0.020	8275930
p,p-DDD	ug/g	3.3	<0.030	0.030	8275930
o,p-DDE	ug/g	0.26	<0.020	0.020	8275930
p,p-DDE	ug/g	0.26	<0.020	0.020	8275930
o,p-DDT	ug/g	1.4	<0.020	0.020	8275930
p,p-DDT	ug/g	1.4	<0.020	0.020	8275930
Dieldrin	ug/g	0.05	<0.020	0.020	8275930
Lindane	ug/g	0.056	<0.020	0.020	8275930
Endosulfan I (alpha)	ug/g	0.04	<0.020	0.020	8275930
Endosulfan II (beta)	ug/g	0.04	<0.020	0.020	8275930
Endrin	ug/g	0.04	<0.020	0.020	8275930
Heptachlor	ug/g	0.15	<0.020	0.020	8275930
Heptachlor epoxide	ug/g	0.05	**0.061**	0.020	8275930
Hexachlorobenzene	ug/g	0.52	<0.020	0.020	8275930
Hexachlorobutadiene	ug/g	0.012	<0.010	0.010	8275930
Hexachloroethane	ug/g	0.089	<0.020	0.020	8275930

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

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

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ORGANOCHLORINATED PESTICIDES BY GC-ECD (SOIL)

Bureau Veritas ID			TWJ674		
Sampling Date			2022/09/29		
COC Number			na		
	UNITS	Criteria	S22-6	RDL	QC Batch
Methoxychlor	ug/g	0.13	<0.050	0.050	8275930
Aroclor 1242	ug/g	-	<0.35	0.35	8275930
Aroclor 1248	ug/g	-	<0.35	0.35	8275930
Aroclor 1254	ug/g	-	<0.35	0.35	8275930
Aroclor 1260	ug/g	-	<0.35	0.35	8275930
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	80		8275930
Decachlorobiphenyl	%	-	110		8275930

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

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

Bureau Veritas Job #: C2S2270
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

TEST SUMMARY

Bureau Veritas ID: TWJ670 **Collected:** 2022/09/29
Sample ID: HA22-1A S1 **Shipped:**
Matrix: Soil **Received:** 2022/09/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8259223	N/A	2022/10/01	Simrat Bhathal
OC Pesticides (Selected) & PCB	GC/ECD	8275930	2022/10/11	2022/10/12	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8257355	N/A	2022/10/03	Automated Statchk

Bureau Veritas ID: TWJ671 **Collected:** 2022/09/29
Sample ID: HA22-1B S1 **Shipped:**
Matrix: Soil **Received:** 2022/09/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8259223	N/A	2022/10/01	Simrat Bhathal
OC Pesticides (Selected) & PCB	GC/ECD	8275930	2022/10/11	2022/10/12	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8257355	N/A	2022/10/03	Automated Statchk

Bureau Veritas ID: TWJ672 **Collected:** 2022/09/29
Sample ID: HA22-1C S1 **Shipped:**
Matrix: Soil **Received:** 2022/09/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8259223	N/A	2022/10/01	Simrat Bhathal
OC Pesticides (Selected) & PCB	GC/ECD	8275930	2022/10/11	2022/10/12	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8257355	N/A	2022/10/03	Automated Statchk

Bureau Veritas ID: TWJ673 **Collected:** 2022/09/29
Sample ID: HA22-1D S1 **Shipped:**
Matrix: Soil **Received:** 2022/09/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8259223	N/A	2022/10/01	Simrat Bhathal
OC Pesticides (Selected) & PCB	GC/ECD	8275930	2022/10/11	2022/10/12	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8257355	N/A	2022/10/03	Automated Statchk

Bureau Veritas ID: TWJ674 **Collected:** 2022/09/29
Sample ID: S22-6 **Shipped:**
Matrix: Soil **Received:** 2022/09/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8259223	N/A	2022/10/01	Simrat Bhathal
OC Pesticides (Selected) & PCB	GC/ECD	8275930	2022/10/11	2022/10/12	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8257355	N/A	2022/10/03	Automated Statchk

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GENERAL COMMENTS

Revised Report[12/2/2022]: sample IDs revised.

OC Pesticide Analysis : Due to the sample matrix, samples required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8275930	2,4,5,6-Tetrachloro-m-xylene	2022/10/12	85	50 - 130	75	50 - 130	91	%		
8275930	Decachlorobiphenyl	2022/10/12	87	50 - 130	90	50 - 130	107	%		
8259223	Moisture	2022/10/01							5.8	20
8275930	a-Chlordane	2022/10/12	96	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
8275930	Aldrin	2022/10/12	90	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
8275930	Aroclor 1242	2022/10/12					<0.015	ug/g		
8275930	Aroclor 1248	2022/10/12					<0.015	ug/g		
8275930	Aroclor 1254	2022/10/12					<0.015	ug/g		
8275930	Aroclor 1260	2022/10/12					<0.015	ug/g		
8275930	Dieldrin	2022/10/12	108	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
8275930	Endosulfan I (alpha)	2022/10/12	105	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
8275930	Endosulfan II (beta)	2022/10/12	89	50 - 130	68	50 - 130	<0.0020	ug/g	NC	40
8275930	Endrin	2022/10/12	102	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
8275930	g-Chlordane	2022/10/12	95	50 - 130	70	50 - 130	<0.0020	ug/g	NC	40
8275930	Heptachlor epoxide	2022/10/12	90	50 - 130	67	50 - 130	<0.0020	ug/g	NC	40
8275930	Heptachlor	2022/10/12	90	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
8275930	Hexachlorobenzene	2022/10/12	87	50 - 130	79	50 - 130	<0.0020	ug/g	NC	40
8275930	Hexachlorobutadiene	2022/10/12	91	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
8275930	Hexachloroethane	2022/10/12	63	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
8275930	Lindane	2022/10/12	82	50 - 130	61	50 - 130	<0.0020	ug/g	NC	40
8275930	Methoxychlor	2022/10/12	98	50 - 130	73	50 - 130	<0.0050	ug/g	NC	40
8275930	o,p-DDD	2022/10/12	120	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
8275930	o,p-DDE	2022/10/12	102	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
8275930	o,p-DDT	2022/10/12	97	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
8275930	p,p-DDD	2022/10/12	102	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
8275930	p,p-DDE	2022/10/12	130	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8275930	p,p-DDT	2022/10/12	105	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40

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

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

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

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

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

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

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Bureau Veritas Job #: C2S2270
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

VALIDATION SIGNATURE PAGE

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

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

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Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266

CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

Invoice Information	Invoice to (requires report) ☐
Company:	EnVision Consultants Ltd.
Contact Name:	Accounts Payable
Street Address:	40-6415 Northwest Drive
City:	Mississauga
Prov:	ON
Postal Code:	L4V 1X1
Phone:	905-659-9456
Email:	payables@envisionconsultants.ca
Copies:	

Report Information (if differs from invoice)	
Company:	
Contact Name:	
Street Address:	
City:	
Prov:	
Postal Code:	
Phone:	
Email:	slundrigan@envisionconsultants.ca
Copies:	mcaluori@envisionconsultants.ca

Project Information	
Quotation #:	
P.O. #/ AFE#:	
Project #:	22-0209
Site #:	Sixth Line
Site Location:	Milton
Site Location Province:	ON
Sampled By:	NB

29-Sep-22 10:05
Ashton Gibson
C2S2270

MUM ENV-741

Regulatory Criteria

REG 153: ☐ Table 1 ☐ Table 2 ☐ Table 3 ☐ Table _____ ☐ Res/Park ☐ Ind/Comm ☐ Agri/other ☐ Med/Fine ☑ Course ☐ For RSC

OTHER: ☐ CCME ☐ Reg 558* *min 3 day TAT ☐ MISA ☐ PWQO ☐ Reg 406, Table: _____ ☐ Sanitary Sewer Bylaw ☐ Storm Sewer Bylaw Municipality _____ ☐ Other: ☑

Include Criteria on Certificate of Analysis (check if yes): ☑

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

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10 OCs	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE
1	BH22-1 S1A	22	09	29	09	00	Soil										X											1	
2	BH22-1 S1B	22	09	29	09	10	Soil										X											1	
3	BH22-1 S1C	22	09	29	09	20	Soil										X											1	
4	BH22-1 S1D	22	09	29	09	30	Soil										X											1	
5	S22-5	22	09	29			Soil										X											1	
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Regular Turnaround Time (TAT)

☑ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply

☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YY MM DD

Comments

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present		☐				
Seal intact		☐				
Cooling media present	☑			14	17	17

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

Temperature reading by:

Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM
1 Nicholas Burnett	22	09	29	10	00	1	22	09	29	10	05
2						2					

Special instructions

Bureau Veritas Job #: C2S2270
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

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

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
HA22-1A S1	TWJ670-01	a-Chlordane	0.05	0.22	0.020	ug/g
HA22-1A S1	TWJ670-01	Chlordane (Total)	0.05	0.32	0.020	ug/g
HA22-1A S1	TWJ670-01	g-Chlordane	0.05	0.096	0.020	ug/g
HA22-1B S1	TWJ671-01	a-Chlordane	0.05	0.38	0.10	ug/g
HA22-1B S1	TWJ671-01	Chlordane (Total)	0.05	0.58	0.10	ug/g
HA22-1B S1	TWJ671-01	g-Chlordane	0.05	0.20	0.10	ug/g
HA22-1C S1	TWJ672-01	a-Chlordane	0.05	0.26	0.020	ug/g
HA22-1C S1	TWJ672-01	Chlordane (Total)	0.05	0.36	0.020	ug/g
HA22-1C S1	TWJ672-01	g-Chlordane	0.05	0.097	0.020	ug/g
HA22-1C S1	TWJ672-01	Heptachlor epoxide	0.05	0.068	0.020	ug/g
HA22-1D S1	TWJ673-01	a-Chlordane	0.05	0.21	0.020	ug/g
HA22-1D S1	TWJ673-01	Chlordane (Total)	0.05	0.31	0.020	ug/g
HA22-1D S1	TWJ673-01	g-Chlordane	0.05	0.11	0.020	ug/g
S22-6	TWJ674-01	a-Chlordane	0.05	0.34	0.10	ug/g
S22-6	TWJ674-01	Chlordane (Total)	0.05	0.52	0.10	ug/g
S22-6	TWJ674-01	g-Chlordane	0.05	0.17	0.10	ug/g
S22-6	TWJ674-01	Heptachlor epoxide	0.05	0.061	0.020	ug/g

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

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

Your C.O.C. #: n/a

Attention: Nicholas Burnett

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/02
Report #: R7413746
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2X7983
Received: 2022/11/17, 12:11

Sample Matrix: Soil
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Petroleum Hydro. CCME F1 & BTEX in Soil (1)	1	N/A	2022/11/22	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (2)	1	2022/11/24	2022/11/24	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	1	2022/11/21	2022/11/23	CAM SOP-00447	EPA 6020B m
Moisture	1	N/A	2022/11/21	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (3)	1	2022/11/22	2022/11/23	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	1	N/A	2022/11/22	CAM SOP-00307	EPA 8081/8082 m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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

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

(1) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(2) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”. Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Your C.O.C. #: n/a

Attention: Nicholas Burnett

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/02
Report #: R7413746
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C2X7983
Received: 2022/11/17, 12:11

(3) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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

Bureau Veritas Job #: C2X7983
Report Date: 2022/12/02

EnVision Consultants Ltd.
Sampler Initials: NB

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		UII442		
Sampling Date		2022/11/17		
COC Number		n/a		
	UNITS	**GS22-2**	**RDL**	**QC Batch**
Inorganics				
Moisture	%	20	1.0	8358142

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID			UII442	UII442		
Sampling Date			2022/11/17	2022/11/17		
COC Number			n/a	n/a		
	UNITS	Criteria	GS22-2	GS22-2 Lab-Dup	RDL	QC Batch
Metals						
Acid Extractable Antimony (Sb)	ug/g	40	<0.20	<0.20	0.20	8357942
Acid Extractable Arsenic (As)	ug/g	18	4.4	4.3	1.0	8357942
Acid Extractable Barium (Ba)	ug/g	670	130	130	0.50	8357942
Acid Extractable Beryllium (Be)	ug/g	8	0.64	0.64	0.20	8357942
Acid Extractable Boron (B)	ug/g	120	8.7	8.8	5.0	8357942
Acid Extractable Cadmium (Cd)	ug/g	1.9	0.11	<0.10	0.10	8357942
Acid Extractable Chromium (Cr)	ug/g	160	24	24	1.0	8357942
Acid Extractable Cobalt (Co)	ug/g	80	11	11	0.10	8357942
Acid Extractable Copper (Cu)	ug/g	230	26	26	0.50	8357942
Acid Extractable Lead (Pb)	ug/g	120	9.4	9.6	1.0	8357942
Acid Extractable Molybdenum (Mo)	ug/g	40	<0.50	<0.50	0.50	8357942
Acid Extractable Nickel (Ni)	ug/g	270	25	24	0.50	8357942
Acid Extractable Selenium (Se)	ug/g	5.5	<0.50	<0.50	0.50	8357942
Acid Extractable Silver (Ag)	ug/g	40	<0.20	<0.20	0.20	8357942
Acid Extractable Thallium (Tl)	ug/g	3.3	0.17	0.15	0.050	8357942
Acid Extractable Uranium (U)	ug/g	33	0.55	0.52	0.050	8357942
Acid Extractable Vanadium (V)	ug/g	86	33	33	5.0	8357942
Acid Extractable Zinc (Zn)	ug/g	340	60	60	5.0	8357942
Acid Extractable Mercury (Hg)	ug/g	3.9	<0.050	<0.050	0.050	8357942

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

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

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PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID			UII442		
Sampling Date			2022/11/17		
COC Number			n/a		
	UNITS	Criteria	GS22-2	RDL	QC Batch
BTEX & F1 Hydrocarbons					
Benzene	ug/g	0.32	<0.020	0.020	8358504
Toluene	ug/g	6.4	<0.020	0.020	8358504
Ethylbenzene	ug/g	1.1	<0.020	0.020	8358504
o-Xylene	ug/g	-	<0.020	0.020	8358504
p+m-Xylene	ug/g	-	<0.040	0.040	8358504
Total Xylenes	ug/g	26	<0.040	0.040	8358504
F1 (C6-C10)	ug/g	55	<10	10	8358504
F1 (C6-C10) - BTEX	ug/g	55	<10	10	8358504
F2-F4 Hydrocarbons					
F2 (C10-C16 Hydrocarbons)	ug/g	230	<10	10	8365298
F3 (C16-C34 Hydrocarbons)	ug/g	1700	<50	50	8365298
F4 (C34-C50 Hydrocarbons)	ug/g	3300	<50	50	8365298
Reached Baseline at C50	ug/g	-	Yes		8365298
Surrogate Recovery (%)					
1,4-Difluorobenzene	%	-	102		8358504
4-Bromofluorobenzene	%	-	97		8358504
D10-o-Xylene	%	-	106		8358504
D4-1,2-Dichloroethane	%	-	96		8358504
o-Terphenyl	%	-	88		8365298

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

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

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ORGANOCHLORINATED PESTICIDES BY GC-ECD (SOIL)

Bureau Veritas ID			UII442		
Sampling Date			2022/11/17		
COC Number			n/a		
	UNITS	Criteria	GS22-2	RDL	QC Batch
Calculated Parameters					
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	8351186
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	8351186
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	8351186
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	8351186
Total Endosulfan	ug/g	-	<0.0020	0.0020	8351186
Total PCB	ug/g	1.1	<0.015	0.015	8351186
Pesticides & Herbicides					
Aldrin	ug/g	0.088	<0.0020	0.0020	8361100
a-Chlordane	ug/g	0.05	<0.0020	0.0020	8361100
g-Chlordane	ug/g	0.05	<0.0020	0.0020	8361100
o,p-DDD	ug/g	4.6	<0.0020	0.0020	8361100
p,p-DDD	ug/g	4.6	<0.0020	0.0020	8361100
o,p-DDE	ug/g	0.52	<0.0020	0.0020	8361100
p,p-DDE	ug/g	0.52	<0.0020	0.0020	8361100
o,p-DDT	ug/g	1.4	<0.0020	0.0020	8361100
p,p-DDT	ug/g	1.4	<0.0020	0.0020	8361100
Dieldrin	ug/g	0.088	<0.0020	0.0020	8361100
Lindane	ug/g	0.056	<0.0020	0.0020	8361100
Endosulfan I (alpha)	ug/g	0.3	<0.0020	0.0020	8361100
Endosulfan II (beta)	ug/g	0.3	<0.0020	0.0020	8361100
Endrin	ug/g	0.04	<0.0020	0.0020	8361100
Heptachlor	ug/g	0.19	<0.0020	0.0020	8361100
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	8361100
Hexachlorobenzene	ug/g	0.66	<0.0020	0.0020	8361100
Hexachlorobutadiene	ug/g	0.031	<0.0020	0.0020	8361100
Hexachloroethane	ug/g	0.21	<0.0020	0.0020	8361100
Methoxychlor	ug/g	1.6	<0.0050	0.0050	8361100
Aroclor 1242	ug/g	-	<0.015	0.015	8361100
Aroclor 1248	ug/g	-	<0.015	0.015	8361100

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

RDL = Reportable Detection Limit

QC Batch = Quality Control Batch

Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Industrial/Commercial/Community Property Use - Coarse Textured Soil

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ORGANOCHLORINATED PESTICIDES BY GC-ECD (SOIL)

Bureau Veritas ID			UII442		
Sampling Date			2022/11/17		
COC Number			n/a		
	UNITS	Criteria	GS22-2	RDL	QC Batch
Aroclor 1254	ug/g	-	<0.015	0.015	8361100
Aroclor 1260	ug/g	-	<0.015	0.015	8361100
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	76		8361100
Decachlorobiphenyl	%	-	108		8361100

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

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

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TEST SUMMARY

Bureau Veritas ID: UII442
Sample ID: GS22-2
Matrix: Soil

Collected: 2022/11/17
Shipped:
Received: 2022/11/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	8358504	N/A	2022/11/22	Georgeta Rusu
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	8365298	2022/11/24	2022/11/24	Jeevaraj Jeevaratrnam
Acid Extractable Metals by ICPMS	ICP/MS	8357942	2022/11/21	2022/11/23	Daniel Teclu
Moisture	BAL	8358142	N/A	2022/11/21	Mathew Bowles
OC Pesticides (Selected) & PCB	GC/ECD	8361100	2022/11/22	2022/11/23	Li Peng
OC Pesticides Summed Parameters	CALC	8351186	N/A	2022/11/22	Automated Statchk

Bureau Veritas ID: UII442 Dup
Sample ID: GS22-2
Matrix: Soil

Collected: 2022/11/17
Shipped:
Received: 2022/11/17

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	8357942	2022/11/21	2022/11/23	Daniel Teclu

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

GENERAL COMMENTS

Revised Report[12/2/2022]: sample ID revised

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8358504	1,4-Difluorobenzene	2022/11/22	98	60 - 140	100	60 - 140	99	%		
8358504	4-Bromofluorobenzene	2022/11/22	100	60 - 140	97	60 - 140	99	%		
8358504	D10-o-Xylene	2022/11/22	97	60 - 140	92	60 - 140	92	%		
8358504	D4-1,2-Dichloroethane	2022/11/22	98	60 - 140	97	60 - 140	97	%		
8361100	2,4,5,6-Tetrachloro-m-xylene	2022/11/23	84	50 - 130	80	50 - 130	79	%		
8361100	Decachlorobiphenyl	2022/11/23	117	50 - 130	119	50 - 130	115	%		
8365298	o-Terphenyl	2022/11/24	94	60 - 130	83	60 - 130	88	%		
8357942	Acid Extractable Antimony (Sb)	2022/11/23	96	75 - 125	97	80 - 120	<0.20	ug/g	NC	30
8357942	Acid Extractable Arsenic (As)	2022/11/23	109	75 - 125	102	80 - 120	<1.0	ug/g	0.97	30
8357942	Acid Extractable Barium (Ba)	2022/11/23	NC	75 - 125	92	80 - 120	<0.50	ug/g	1.2	30
8357942	Acid Extractable Beryllium (Be)	2022/11/23	109	75 - 125	100	80 - 120	<0.20	ug/g	0.35	30
8357942	Acid Extractable Boron (B)	2022/11/23	108	75 - 125	99	80 - 120	<5.0	ug/g	1.2	30
8357942	Acid Extractable Cadmium (Cd)	2022/11/23	106	75 - 125	96	80 - 120	<0.10	ug/g	11	30
8357942	Acid Extractable Chromium (Cr)	2022/11/23	119	75 - 125	104	80 - 120	<1.0	ug/g	1.1	30
8357942	Acid Extractable Cobalt (Co)	2022/11/23	109	75 - 125	103	80 - 120	<0.10	ug/g	2.7	30
8357942	Acid Extractable Copper (Cu)	2022/11/23	NC	75 - 125	102	80 - 120	<0.50	ug/g	0.92	30
8357942	Acid Extractable Lead (Pb)	2022/11/23	108	75 - 125	99	80 - 120	<1.0	ug/g	1.7	30
8357942	Acid Extractable Mercury (Hg)	2022/11/23	101	75 - 125	94	80 - 120	<0.050	ug/g	NC	30
8357942	Acid Extractable Molybdenum (Mo)	2022/11/23	108	75 - 125	98	80 - 120	<0.50	ug/g	NC	30
8357942	Acid Extractable Nickel (Ni)	2022/11/23	110	75 - 125	104	80 - 120	<0.50	ug/g	3.0	30
8357942	Acid Extractable Selenium (Se)	2022/11/23	112	75 - 125	103	80 - 120	<0.50	ug/g	NC	30
8357942	Acid Extractable Silver (Ag)	2022/11/23	109	75 - 125	100	80 - 120	<0.20	ug/g	NC	30
8357942	Acid Extractable Thallium (Tl)	2022/11/23	107	75 - 125	100	80 - 120	<0.050	ug/g	10	30
8357942	Acid Extractable Uranium (U)	2022/11/23	109	75 - 125	100	80 - 120	<0.050	ug/g	5.4	30
8357942	Acid Extractable Vanadium (V)	2022/11/23	NC	75 - 125	104	80 - 120	<5.0	ug/g	0.67	30
8357942	Acid Extractable Zinc (Zn)	2022/11/23	NC	75 - 125	108	80 - 120	<5.0	ug/g	1.1	30
8358142	Moisture	2022/11/21							2.2	20
8358504	Benzene	2022/11/22	88	50 - 140	84	50 - 140	<0.020	ug/g	NC	50
8358504	Ethylbenzene	2022/11/22	96	50 - 140	91	50 - 140	<0.020	ug/g	NC	50
8358504	F1 (C6-C10) - BTEX	2022/11/22					<10	ug/g	NC	30
8358504	F1 (C6-C10)	2022/11/22	95	60 - 140	91	80 - 120	<10	ug/g	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8358504	o-Xylene	2022/11/22	92	50 - 140	86	50 - 140	<0.020	ug/g	NC	50
8358504	p+m-Xylene	2022/11/22	93	50 - 140	88	50 - 140	<0.040	ug/g	NC	50
8358504	Toluene	2022/11/22	87	50 - 140	82	50 - 140	<0.020	ug/g	NC	50
8358504	Total Xylenes	2022/11/22					<0.040	ug/g	NC	50
8361100	a-Chlordane	2022/11/23	91	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
8361100	Aldrin	2022/11/23	100	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40
8361100	Aroclor 1242	2022/11/23					<0.015	ug/g		
8361100	Aroclor 1248	2022/11/23					<0.015	ug/g		
8361100	Aroclor 1254	2022/11/23					<0.015	ug/g		
8361100	Aroclor 1260	2022/11/23					<0.015	ug/g		
8361100	Dieldrin	2022/11/23	100	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
8361100	Endosulfan I (alpha)	2022/11/23	86	50 - 130	70	50 - 130	<0.0020	ug/g	NC	40
8361100	Endosulfan II (beta)	2022/11/23	94	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
8361100	Endrin	2022/11/23	93	50 - 130	69	50 - 130	<0.0020	ug/g	NC	40
8361100	g-Chlordane	2022/11/23	84	50 - 130	68	50 - 130	<0.0020	ug/g	NC	40
8361100	Heptachlor epoxide	2022/11/23	86	50 - 130	70	50 - 130	<0.0020	ug/g	NC	40
8361100	Heptachlor	2022/11/23	110	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40
8361100	Hexachlorobenzene	2022/11/23	93	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
8361100	Hexachlorobutadiene	2022/11/23	102	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
8361100	Hexachloroethane	2022/11/23	76	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
8361100	Lindane	2022/11/23	74	50 - 130	60	50 - 130	<0.0020	ug/g	NC	40
8361100	Methoxychlor	2022/11/23	93	50 - 130	73	50 - 130	<0.0050	ug/g	NC	40
8361100	o,p-DDD	2022/11/23	106	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40
8361100	o,p-DDE	2022/11/23	110	50 - 130	106	50 - 130	<0.0020	ug/g	NC	40
8361100	o,p-DDT	2022/11/23	108	50 - 130	104	50 - 130	<0.0020	ug/g	NC	40
8361100	p,p-DDD	2022/11/23	112	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
8361100	p,p-DDE	2022/11/23	110	50 - 130	108	50 - 130	<0.0020	ug/g	NC	40
8361100	p,p-DDT	2022/11/23	115	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
8365298	F2 (C10-C16 Hydrocarbons)	2022/11/24	104	60 - 130	89	80 - 120	<10	ug/g	95 (1)	30
8365298	F3 (C16-C34 Hydrocarbons)	2022/11/24	102	60 - 130	88	80 - 120	<50	ug/g	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8365298	F4 (C34-C50 Hydrocarbons)	2022/11/24	102	60 - 130	88	80 - 120	<50	ug/g	NC	30

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

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

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

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

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

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

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

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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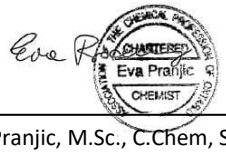
VALIDATION SIGNATURE PAGE

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



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

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

CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

17-Nov-22 12:11
Ashton Gibson
C2X7983
AK0 ENV-1262

Invoice Information		Report Information (if differs from invoice)		Project Information	
Invoice to (requires report) ☐					
Company :	EnVision Consultants Ltd.	Company:		Quotation #:	
Contact Name:	Accounts Payable	Contact Name:		P.O. #/ AFE#:	
Street Address:	40-6415 Northwest Drive	Street Address:		Project #:	
City: Mississauga Prov: ON Postal Code: L4V 1X1		City: Prov: Postal Code:		Site #:	
Phone:	905-659-9456	Phone:		Site Location:	
Email:	payables@envisionconsultants.ca	Email:	nburnett@envisionconsultants.ca	Site Location Province:	
Copies:		Copies:	slundrigan@envisionconsultants.ca	Sampled By:	KS NB

Rush Confirmation #:

Regulatory Criteria

REG 153: ☐ Table 1 ☐ Res/Park ☐ Med/Fine ☑ Table 2 ☑ Ind/Comm ☑ Course ☐ Table 3 ☐ Agri/other ☐ For RSC ☐ Table _____

OTHER: ☐ CCME ☐ Reg 406, Table: _____ ☐ Reg 558* ☐ Sanitary Sewer Bylaw *min 3 day TAT ☐ Storm Sewer Bylaw ☐ MISA Municipality _____ ☐ PWQO ☐ Other:

Include Criteria on Certificate of Analysis (check if yes): ☑

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

Regular Turnaround Time (TAT)
☑ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply
☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day
Date Required: YY MM DD
Comments

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE	Comments
1	GS22-2	22	11	07			Soil				X	X		X			X											5		
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

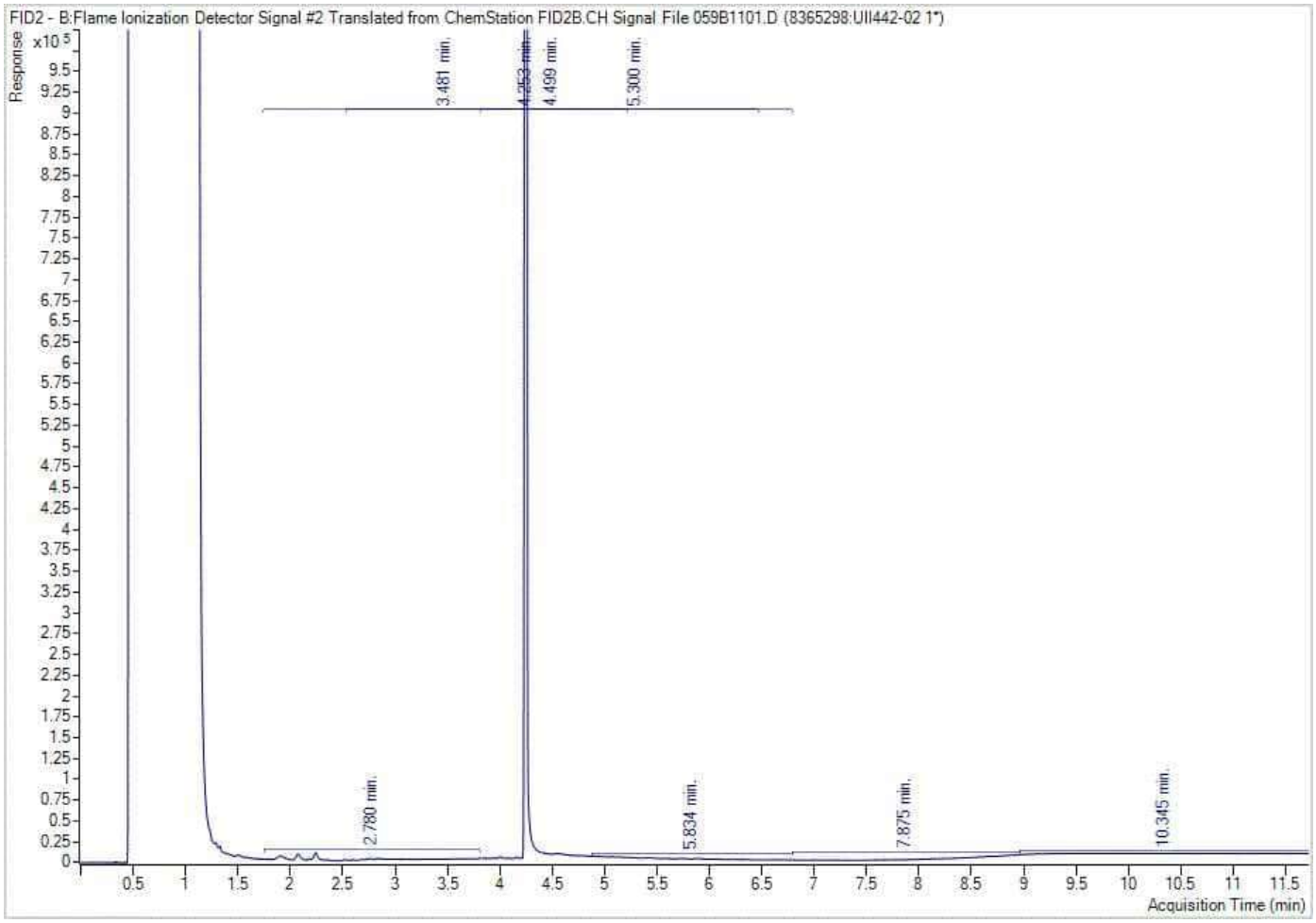
Temperature reading by:

	Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Special instructions
1	Nick Burnett	22	11	07			1	22	11	17	12	11	
2							2						

Bureau Veritas Job #: C2X7983
Report Date: 2022/12/02
Bureau Veritas Sample: UII442

EnVision Consultants Ltd.
Client ID: GS22-2

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

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

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

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

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Your Project #: 22-0209
Site Location: SIXTH LINE, MILTON

Attention: Nicholas Burnett

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/01
Report #: R7412629
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2Y8645
Received: 2022/11/28, 13:52

Sample Matrix: Soil
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Moisture	5	N/A	2022/11/29	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (1)	4	2022/11/29	2022/11/30	CAM SOP-00307	SW846 8081, 8082
OC Pesticides (Selected) & PCB (1)	1	2022/11/30	2022/12/01	CAM SOP-00307	SW846 8081, 8082
OC Pesticides Summed Parameters	5	N/A	2022/11/30	CAM SOP-00307	EPA 8081/8082 m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Your Project #: 22-0209
Site Location: SIXTH LINE, MILTON

Attention: Nicholas Burnett

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/01
Report #: R7412629
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2Y8645
Received: 2022/11/28, 13:52

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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Bureau Veritas Job #: C2Y8645
Report Date: 2022/12/01

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			UKT132			UKT135		UKT138	UKT141		
Sampling Date			2022/11/28			2022/11/28		2022/11/28	2022/11/28		
	UNITS	Criteria	BH22-A1 S1A	RDL	QC Batch	BH22-B1 S1A	RDL	BH22-C1 S1A	BH22-D1 S1A	RDL	QC Batch
Inorganics											
Moisture	%	-	10	1.0	8373010	7.8	1.0	9.6	2.4	1.0	8373010
Calculated Parameters											
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	8370871	<0.0060	0.0060	<0.0020	<0.0020	0.0020	8370871
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	8370871	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8370871
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	8370871	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8370871
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	8370871	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8370871
Total Endosulfan	ug/g	-	<0.0020	0.0020	8370871	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8370871
Total PCB	ug/g	1.1	<0.015	0.015	8370871	<0.015	0.015	<0.015	<0.015	0.015	8370871
Pesticides & Herbicides											
Aldrin	ug/g	0.088	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
a-Chlordane	ug/g	0.05	<0.0020	0.0020	8377361	<0.0060 (1)	0.0060	<0.0020	<0.0020	0.0020	8374385
g-Chlordane	ug/g	0.05	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
o,p-DDD	ug/g	4.6	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
p,p-DDD	ug/g	4.6	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
o,p-DDE	ug/g	0.52	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
p,p-DDE	ug/g	0.52	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
o,p-DDT	ug/g	1.4	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
p,p-DDT	ug/g	1.4	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Dieldrin	ug/g	0.088	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Lindane	ug/g	0.056	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Endosulfan I (alpha)	ug/g	0.3	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Endosulfan II (beta)	ug/g	0.3	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Endrin	ug/g	0.04	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Heptachlor	ug/g	0.19	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Hexachlorobenzene	ug/g	0.66	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Hexachlorobutadiene	ug/g	0.031	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Hexachloroethane	ug/g	0.21	<0.0020	0.0020	8377361	<0.0020	0.0020	<0.0020	<0.0020	0.0020	8374385
Methoxychlor	ug/g	1.6	<0.0050	0.0050	8377361	<0.0050	0.0050	<0.0050	<0.0050	0.0050	8374385

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

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

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Bureau Veritas Job #: C2Y8645
Report Date: 2022/12/01

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			UKT132			UKT135		UKT138	UKT141		
Sampling Date			2022/11/28			2022/11/28		2022/11/28	2022/11/28		
	UNITS	Criteria	BH22-A1 S1A	RDL	QC Batch	BH22-B1 S1A	RDL	BH22-C1 S1A	BH22-D1 S1A	RDL	QC Batch
Aroclor 1242	ug/g	-	<0.015	0.015	8377361	<0.015	0.015	<0.015	<0.015	0.015	8374385
Aroclor 1248	ug/g	-	<0.015	0.015	8377361	<0.015	0.015	<0.015	<0.015	0.015	8374385
Aroclor 1254	ug/g	-	<0.015	0.015	8377361	<0.015	0.015	<0.015	<0.015	0.015	8374385
Aroclor 1260	ug/g	-	<0.015	0.015	8377361	<0.015	0.015	<0.015	<0.015	0.015	8374385
Surrogate Recovery (%)											
2,4,5,6-Tetrachloro-m-xylene	%	-	75		8377361	66		56	53		8374385
Decachlorobiphenyl	%	-	83		8377361	89		87	95		8374385

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

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

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O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			UKT144		
Sampling Date			2022/11/28		
	UNITS	Criteria	S22-5	RDL	QC Batch
Inorganics					
Moisture	%	-	19	1.0	8373010
Calculated Parameters					
Chlordane (Total)	ug/g	0.05	<0.0020	0.0020	8370871
o,p-DDD + p,p-DDD	ug/g	-	<0.0020	0.0020	8370871
o,p-DDE + p,p-DDE	ug/g	-	<0.0020	0.0020	8370871
o,p-DDT + p,p-DDT	ug/g	-	<0.0020	0.0020	8370871
Total Endosulfan	ug/g	-	<0.0020	0.0020	8370871
Total PCB	ug/g	1.1	<0.015	0.015	8370871
Pesticides & Herbicides					
Aldrin	ug/g	0.088	<0.0020	0.0020	8374385
a-Chlordane	ug/g	0.05	<0.0020	0.0020	8374385
g-Chlordane	ug/g	0.05	<0.0020	0.0020	8374385
o,p-DDD	ug/g	4.6	<0.0020	0.0020	8374385
p,p-DDD	ug/g	4.6	<0.0020	0.0020	8374385
o,p-DDE	ug/g	0.52	<0.0020	0.0020	8374385
p,p-DDE	ug/g	0.52	<0.0020	0.0020	8374385
o,p-DDT	ug/g	1.4	<0.0020	0.0020	8374385
p,p-DDT	ug/g	1.4	<0.0020	0.0020	8374385
Dieldrin	ug/g	0.088	<0.0020	0.0020	8374385
Lindane	ug/g	0.056	<0.0020	0.0020	8374385
Endosulfan I (alpha)	ug/g	0.3	<0.0020	0.0020	8374385
Endosulfan II (beta)	ug/g	0.3	<0.0020	0.0020	8374385
Endrin	ug/g	0.04	<0.0020	0.0020	8374385
Heptachlor	ug/g	0.19	<0.0020	0.0020	8374385
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	8374385
Hexachlorobenzene	ug/g	0.66	<0.0020	0.0020	8374385
Hexachlorobutadiene	ug/g	0.031	<0.0020	0.0020	8374385
Hexachloroethane	ug/g	0.21	<0.0020	0.0020	8374385

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

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

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Bureau Veritas Job #: C2Y8645
Report Date: 2022/12/01

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			UKT144		
Sampling Date			2022/11/28		
	UNITS	Criteria	S22-5	RDL	QC Batch
Methoxychlor	ug/g	1.6	<0.0050	0.0050	8374385
Aroclor 1242	ug/g	-	<0.015	0.015	8374385
Aroclor 1248	ug/g	-	<0.015	0.015	8374385
Aroclor 1254	ug/g	-	<0.015	0.015	8374385
Aroclor 1260	ug/g	-	<0.015	0.015	8374385
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	51		8374385
Decachlorobiphenyl	%	-	95		8374385

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

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

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Bureau Veritas Job #: C2Y8645
Report Date: 2022/12/01

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

TEST SUMMARY

Bureau Veritas ID: UKT132 **Collected:** 2022/11/28
Sample ID: BH22-A1 S1A **Shipped:**
Matrix: Soil **Received:** 2022/11/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8373010	N/A	2022/11/29	Joe Thomas
OC Pesticides (Selected) & PCB	GC/ECD	8377361	2022/11/30	2022/12/01	Li Peng
OC Pesticides Summed Parameters	CALC	8370871	N/A	2022/11/30	Automated Statchk

Bureau Veritas ID: UKT135 **Collected:** 2022/11/28
Sample ID: BH22-B1 S1A **Shipped:**
Matrix: Soil **Received:** 2022/11/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8373010	N/A	2022/11/29	Joe Thomas
OC Pesticides (Selected) & PCB	GC/ECD	8374385	2022/11/29	2022/11/30	Li Peng
OC Pesticides Summed Parameters	CALC	8370871	N/A	2022/11/30	Automated Statchk

Bureau Veritas ID: UKT138 **Collected:** 2022/11/28
Sample ID: BH22-C1 S1A **Shipped:**
Matrix: Soil **Received:** 2022/11/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8373010	N/A	2022/11/29	Joe Thomas
OC Pesticides (Selected) & PCB	GC/ECD	8374385	2022/11/29	2022/11/30	Li Peng
OC Pesticides Summed Parameters	CALC	8370871	N/A	2022/11/30	Automated Statchk

Bureau Veritas ID: UKT141 **Collected:** 2022/11/28
Sample ID: BH22-D1 S1A **Shipped:**
Matrix: Soil **Received:** 2022/11/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8373010	N/A	2022/11/29	Joe Thomas
OC Pesticides (Selected) & PCB	GC/ECD	8374385	2022/11/29	2022/11/30	Li Peng
OC Pesticides Summed Parameters	CALC	8370871	N/A	2022/11/30	Automated Statchk

Bureau Veritas ID: UKT144 **Collected:** 2022/11/28
Sample ID: S22-5 **Shipped:**
Matrix: Soil **Received:** 2022/11/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8373010	N/A	2022/11/29	Joe Thomas
OC Pesticides (Selected) & PCB	GC/ECD	8374385	2022/11/29	2022/11/30	Li Peng
OC Pesticides Summed Parameters	CALC	8370871	N/A	2022/11/30	Automated Statchk

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GENERAL COMMENTS

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8374385	2,4,5,6-Tetrachloro-m-xylene	2022/11/30	82	50 - 130	63	50 - 130	52	%		
8374385	Decachlorobiphenyl	2022/11/30	107	50 - 130	94	50 - 130	96	%		
8377361	2,4,5,6-Tetrachloro-m-xylene	2022/12/01	75	50 - 130	78	50 - 130	78	%		
8377361	Decachlorobiphenyl	2022/12/01	99	50 - 130	89	50 - 130	83	%		
8373010	Moisture	2022/11/29							0.52	20
8374385	a-Chlordane	2022/11/30	97	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
8374385	Aldrin	2022/11/30	98	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
8374385	Aroclor 1242	2022/11/30					<0.015	ug/g	NC	40
8374385	Aroclor 1248	2022/11/30					<0.015	ug/g	NC	40
8374385	Aroclor 1254	2022/11/30					<0.015	ug/g	NC	40
8374385	Aroclor 1260	2022/11/30					<0.015	ug/g	NC	40
8374385	Dieldrin	2022/11/30	99	50 - 130	88	50 - 130	<0.0020	ug/g	NC	40
8374385	Endosulfan I (alpha)	2022/11/30	86	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
8374385	Endosulfan II (beta)	2022/11/30	92	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
8374385	Endrin	2022/11/30	92	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
8374385	g-Chlordane	2022/11/30	88	50 - 130	73	50 - 130	<0.0020	ug/g	NC	40
8374385	Heptachlor epoxide	2022/11/30	84	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
8374385	Heptachlor	2022/11/30	106	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
8374385	Hexachlorobenzene	2022/11/30	89	50 - 130	68	50 - 130	<0.0020	ug/g	NC	40
8374385	Hexachlorobutadiene	2022/11/30	99	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
8374385	Hexachloroethane	2022/11/30	75	50 - 130	68	50 - 130	<0.0020	ug/g	NC	40
8374385	Lindane	2022/11/30	78	50 - 130	63	50 - 130	<0.0020	ug/g	NC	40
8374385	Methoxychlor	2022/11/30	110	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
8374385	o,p-DDD	2022/11/30	109	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
8374385	o,p-DDE	2022/11/30	101	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
8374385	o,p-DDT	2022/11/30	125	50 - 130	115	50 - 130	<0.0020	ug/g	NC	40
8374385	p,p-DDD	2022/11/30	95	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
8374385	p,p-DDE	2022/11/30	108	50 - 130	124	50 - 130	<0.0020	ug/g	NC	40
8374385	p,p-DDT	2022/11/30	124	50 - 130	112	50 - 130	<0.0020	ug/g	NC	40
8377361	a-Chlordane	2022/12/01	116	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40
8377361	Aldrin	2022/12/01	92	50 - 130	91	50 - 130	<0.0020	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8377361	Aroclor 1242	2022/12/01					<0.015	ug/g	NC	40
8377361	Aroclor 1248	2022/12/01					<0.015	ug/g	NC	40
8377361	Aroclor 1254	2022/12/01					<0.015	ug/g	NC	40
8377361	Aroclor 1260	2022/12/01					<0.015	ug/g	NC	40
8377361	Dieldrin	2022/12/01	89	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
8377361	Endosulfan I (alpha)	2022/12/01	79	50 - 130	68	50 - 130	<0.0020	ug/g	NC	40
8377361	Endosulfan II (beta)	2022/12/01	88	50 - 130	76	50 - 130	<0.0020	ug/g	NC	40
8377361	Endrin	2022/12/01	85	50 - 130	79	50 - 130	<0.0020	ug/g	NC	40
8377361	g-Chlordane	2022/12/01	86	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
8377361	Heptachlor epoxide	2022/12/01	82	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
8377361	Heptachlor	2022/12/01	110	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40
8377361	Hexachlorobenzene	2022/12/01	84	50 - 130	83	50 - 130	<0.0020	ug/g	NC	40
8377361	Hexachlorobutadiene	2022/12/01	89	50 - 130	98	50 - 130	<0.0020	ug/g	NC	40
8377361	Hexachloroethane	2022/12/01	93	50 - 130	92	50 - 130	<0.0020	ug/g	NC	40
8377361	Lindane	2022/12/01	73	50 - 130	71	50 - 130	<0.0020	ug/g	NC	40
8377361	Methoxychlor	2022/12/01	95	50 - 130	73	50 - 130	<0.0050	ug/g	NC	40
8377361	o,p-DDD	2022/12/01	94	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
8377361	o,p-DDE	2022/12/01	100	50 - 130	89	50 - 130	<0.0020	ug/g	NC	40
8377361	o,p-DDT	2022/12/01	114	50 - 130	107	50 - 130	<0.0020	ug/g	NC	40
8377361	p,p-DDD	2022/12/01	84	50 - 130	80	50 - 130	<0.0020	ug/g	NC	40
8377361	p,p-DDE	2022/12/01	102	50 - 130	87	50 - 130	<0.0020	ug/g	NC	40
8377361	p,p-DDT	2022/12/01	117	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40

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

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

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

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

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

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

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Bureau Veritas Job #: C2Y8645
Report Date: 2022/12/01

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

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

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

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RUSH!

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Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266

CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

Page 1 of 1

Invoice Information		Report Information (if differs from invoice)		Project Information	
Company:	EnVision Consultants Ltd.	Company:		Quotation #:	
Contact Name:	Accounts Payable	Contact Name:		P.O. #/ AFE#:	
Street Address:	40-6415 Northwest Drive	Street Address:		Project #:	22-0209
City:	Mississauga Prov: ON Postal Code: L4V 1X1	City:	Prov: Postal Code:	Site #:	
Phone:	905-659-9456	Phone:		Site Location:	Sixth Line, ~~Milton~~ Milton
Email:	payables@envisionconsultants.ca	Email:	nburnett@envisionconsultants.ca	Site Location Province:	
Copies:		Copies:	slundrigan@envisionconsultants.ca	Sampled By:	NB

28-Nov-22 13:52
Ashton Gibson
C2Y8645
AJH ENV-907

Regulatory Criteria

REG 153: ☐ Table 1 ☑ Table 2 ☐ Table 3 ☐ Table ____ | ☐ Res/Park ☑ Ind/Comm ☐ Agri/other | ☐ Med/Fine ☑ Course ☐ For RSC

OTHER: ☐ CCME ☐ Reg 558* *min 3 day TAT ☐ MISA ☐ PWQO | ☐ Reg 406, Table: ____ ☐ Sanitary Sewer Bylaw ☐ Storm Sewer Bylaw Municipality ____ ☐ Other:

Include Criteria on Certificate of Analysis (check if yes): ☑

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

Regular Turnaround Time (TAT)

☐ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply

☐ Same Day ☐ 1 Day ☑ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YY 22 MM 11 DD 30

Comments

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	FIELD FILTERED	FIELD PRESERVED	LAB FILTRATION REQUIRED	BTEX/ F1	F2 - F4	VOCs	Reg 153 metals and inorganics	Reg 153 ICPMS metals	Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	OC's	# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE
1	BH22-A1 S1A	22	11	28			Soil										X	1	
2	BH22-A1 S1B	22	11	28			Soil											1	X
3	BH22-A2 S1A	22	11	28			Soil											1	X
4	BH22-B1 S1A	22	11	28			Soil										X	1	
5	BH22-B1 S1B	22	11	28			Soil											1	X
6	BH22-B2 S1A	22	11	28			Soil											1	X
7	BH22-C1 S1A	22	11	28			Soil										X	1	
8	BH22-C1 S1B	22	11	28			Soil											1	X
9	BH22-C2 S1A	22	11	28			Soil											1	X
10	BH22-D1 S1A	22	11	28			Soil										X	1	
11	BH22-D1 S1B	22	11	28			Soil											1	X
12	S22-5	22	11	28			Soil										X	1	

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present		✓	9	8	)	
Seal intact						
Cooling media present	✓					

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

Temperature reading by:

	Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Special instructions
1	Nick Burnett	22	11	28			1		11	28	13	52	
2							2						

Bureau Veritas Job #: C2Y8645
Report Date: 2022/12/01

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

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

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

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

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Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON
Your C.O.C. #: n/a

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/10/24
Report #: R7876062
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3V7405
Received: 2023/10/12, 16:15

Sample Matrix: Soil
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Acid Extractable Metals by ICPMS	4	2023/10/16	2023/10/17	CAM SOP-00447	EPA 6020B m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON
Your C.O.C. #: n/a

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/10/24
Report #: R7876062
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C3V7405
Received: 2023/10/12, 16:15

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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

Bureau Veritas Job #: C3V7405
Report Date: 2023/10/24

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON
Sampler Initials: MC

ELEMENTS BY ATOMIC SPECTROSCOPY (SOIL)

Bureau Veritas ID		XGS363	XGS365	XGS366	XGS367		
Sampling Date		2023/10/11	2023/10/11	2023/10/11	2023/10/11		
COC Number		n/a	n/a	n/a	n/a		
	UNITS	MW18-1A-S1B	BH23-1-S1A	BH23-2-S1A	BH23-3-S1A	RDL	QC Batch
Metals							
Acid Extractable Antimony (Sb)	ug/g	<0.20	<0.20	<0.20	<0.20	0.20	8982725
Acid Extractable Arsenic (As)	ug/g	4.7	3.0	4.0	6.0	1.0	8982725
Acid Extractable Barium (Ba)	ug/g	83	57	71	58	0.50	8982725
Acid Extractable Beryllium (Be)	ug/g	0.71	0.71	0.57	0.52	0.20	8982725
Acid Extractable Boron (B)	ug/g	6.3	5.9	6.9	9.8	5.0	8982725
Acid Extractable Cadmium (Cd)	ug/g	0.26	0.12	0.30	<0.10	0.10	8982725
Acid Extractable Chromium (Cr)	ug/g	19	18	18	16	1.0	8982725
Acid Extractable Cobalt (Co)	ug/g	11	8.8	8.5	9.7	0.10	8982725
Acid Extractable Copper (Cu)	ug/g	18	17	22	26	0.50	8982725
Acid Extractable Lead (Pb)	ug/g	11	11	16	10	1.0	8982725
Acid Extractable Molybdenum (Mo)	ug/g	<0.50	<0.50	0.64	0.52	0.50	8982725
Acid Extractable Nickel (Ni)	ug/g	23	21	17	20	0.50	8982725
Acid Extractable Selenium (Se)	ug/g	<0.50	<0.50	<0.50	<0.50	0.50	8982725
Acid Extractable Silver (Ag)	ug/g	<0.20	<0.20	<0.20	<0.20	0.20	8982725
Acid Extractable Thallium (Tl)	ug/g	0.10	0.096	0.10	0.084	0.050	8982725
Acid Extractable Uranium (U)	ug/g	0.83	1.0	0.72	0.57	0.050	8982725
Acid Extractable Vanadium (V)	ug/g	28	24	22	23	5.0	8982725
Acid Extractable Zinc (Zn)	ug/g	66	70	64	54	5.0	8982725

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3V7405
Report Date: 2023/10/24

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: XGS363 **Collected:** 2023/10/11
Sample ID: MW18-1A-S1B **Shipped:**
Matrix: Soil **Received:** 2023/10/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	8982725	2023/10/16	2023/10/17	Daniel Teclu

Bureau Veritas ID: XGS365 **Collected:** 2023/10/11
Sample ID: BH23-1-S1A **Shipped:**
Matrix: Soil **Received:** 2023/10/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	8982725	2023/10/16	2023/10/17	Daniel Teclu

Bureau Veritas ID: XGS366 **Collected:** 2023/10/11
Sample ID: BH23-2-S1A **Shipped:**
Matrix: Soil **Received:** 2023/10/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	8982725	2023/10/16	2023/10/17	Daniel Teclu

Bureau Veritas ID: XGS367 **Collected:** 2023/10/11
Sample ID: BH23-3-S1A **Shipped:**
Matrix: Soil **Received:** 2023/10/12

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	8982725	2023/10/16	2023/10/17	Daniel Teclu

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GENERAL COMMENTS

Revised Report[10/24/2023]: revised report for metals.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS
8982725	Acid Extractable Antimony (Sb)	2023/10/17	68 (1)	75 - 125	98	80 - 120	<0.20	ug/g
8982725	Acid Extractable Arsenic (As)	2023/10/17	97	75 - 125	97	80 - 120	<1.0	ug/g
8982725	Acid Extractable Barium (Ba)	2023/10/17	NC	75 - 125	95	80 - 120	<0.50	ug/g
8982725	Acid Extractable Beryllium (Be)	2023/10/17	95	75 - 125	95	80 - 120	<0.20	ug/g
8982725	Acid Extractable Boron (B)	2023/10/17	89	75 - 125	95	80 - 120	<5.0	ug/g
8982725	Acid Extractable Cadmium (Cd)	2023/10/17	90	75 - 125	95	80 - 120	<0.10	ug/g
8982725	Acid Extractable Chromium (Cr)	2023/10/17	115	75 - 125	95	80 - 120	<1.0	ug/g
8982725	Acid Extractable Cobalt (Co)	2023/10/17	103	75 - 125	94	80 - 120	<0.10	ug/g
8982725	Acid Extractable Copper (Cu)	2023/10/17	113	75 - 125	93	80 - 120	<0.50	ug/g
8982725	Acid Extractable Lead (Pb)	2023/10/17	102	75 - 125	96	80 - 120	<1.0	ug/g
8982725	Acid Extractable Molybdenum (Mo)	2023/10/17	88	75 - 125	94	80 - 120	<0.50	ug/g
8982725	Acid Extractable Nickel (Ni)	2023/10/17	NC	75 - 125	97	80 - 120	<0.50	ug/g
8982725	Acid Extractable Selenium (Se)	2023/10/17	92	75 - 125	101	80 - 120	<0.50	ug/g
8982725	Acid Extractable Silver (Ag)	2023/10/17	91	75 - 125	99	80 - 120	<0.20	ug/g
8982725	Acid Extractable Thallium (Tl)	2023/10/17	91	75 - 125	99	80 - 120	<0.050	ug/g
8982725	Acid Extractable Uranium (U)	2023/10/17	90	75 - 125	98	80 - 120	<0.050	ug/g
8982725	Acid Extractable Vanadium (V)	2023/10/17	NC	75 - 125	95	80 - 120	<5.0	ug/g
8982725	Acid Extractable Zinc (Zn)	2023/10/17	NC	75 - 125	96	80 - 120	<5.0	ug/g

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

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

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

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

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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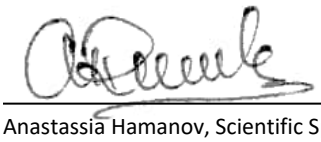
Bureau Veritas Job #: C3V7405
Report Date: 2023/10/24

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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Phone: 905-817-5700 Fax: 905-817-5779 Toll Free: 800-563-6266

CHAIN OF CUSTODY RECORD

ENV COC - 00014v5

Page 1 of 1

Invoice Information		Report Information (if differs from invoice)		Project Information	
Company:	Envision Consultants	Company:		Quotation #:	
Contact Name:	Maryanne Caluori	Contact Name:		P.O. #/ AFE#:	
Street Address:	6415 Northwest Drive	Street Address:		Project #:	22-0209
City:	Mississauga Prov: ON Postal Code: L4W 1X	City: Prov: Postal Code:		Site #:	
Phone:	905 795 1340	Phone:		Site Location:	6728 Sixth Line, Milton, ON.
Email:	mcaluori@envisionconsultants.ca	Email:		Site Location Province:	Ontario, Canada.
~~Copies:~~	slundrigan@envisionconsultants.ca			Sampled By:	RA/RK

email #2

12-Oct-23 16:15
Ashton Gibson
C3V7405
WP ENV-755

Regulatory Criteria

REG 153: [X] Table 1 [ ] Table 2 [ ] Table 3 [ ] Table ____ | [X] Res/Park [X] Ind/Comm [ ] Agri/other | [X] Med/Fine [ ] Coarse [ ] For RSC

OTHER: [ ] CCME [ ] Reg 558* [ ] *min 3 day TAT [ ] MISA [ ] PWQO | [ ] Reg 406, Table: ____ [ ] Sanitary Sewer Bylaw [ ] Storm Sewer Bylaw Municipality ____ [ ] Other: ____

Include Criteria on Certificate of Analysis (check if yes): [ ]

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

	Sample Identification (Please print or Type)	Date Sampled YYYY	MM	DD	Time (24hr) HH	MM	Matrix	FIELD FILTERED	FIELD PRESERVED	LAB FILTRATION REQUIRED	BTEX/ F1	F2 - F4	VOCs	Reg 153 metals and inorganics	Reg 153 ICPMS metals	Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10 ICPMS Metals	11 Mercury	12 ON HOLD	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE	Comments
1	MW18-1A SIB	2023	10	11			Soil										X	X										1		
2	BH22-5A SIB			12														X										1		
3	BH23-1 SIA			11													X	X										1		
4	BH23-2 SIA			11													X	X										1		
5	BH23-3 SIA			11													X	X										1		
6	BH23-1 SIB			11															X									1		
7	BH23-2 SIB			11															X									1		
8	BH23-3 SIB			11															X									1		
9																														
10																														
11																														
12																														

Regular Turnaround Time (TAT)
[X] 5 to 7 Day [ ] 10 Day

Rush Turnaround Time (TAT) Surcharges apply
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] 4 Day

Date Required: YYYY MM DD

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present	✓					
Seal intact	✓					
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3	Temperature reading by:
Seal present							
Seal intact							
Cooling media present							

Relinquished by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Special instructions
1 Ruta Amin Patel	2023	10	12	4	30	1	23	10	12	16	15	
2						2						

Your Project #: 22-0209.120a
Site Location: 6728 Sixth Line
Your C.O.C. #: 751451

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/09/24
Report #: R7828603
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3O7731
Received: 2023/08/16, 12:11

Sample Matrix: Soil
Samples Received: 8

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Hot Water Extractable Boron	4	2023/08/18	2023/08/21	CAM SOP-00408	R153 Ana. Prot. 2011
Hexavalent Chromium in Soil by IC (1)	1	2023/08/18	2023/08/18	CAM SOP-00436	EPA 3060A/7199 m
Hexavalent Chromium in Soil by IC (1)	3	2023/08/18	2023/08/19	CAM SOP-00436	EPA 3060A/7199 m
Acid Extractable Metals by ICPMS	4	2023/08/18	2023/08/22	CAM SOP-00447	EPA 6020B m
Moisture	8	N/A	2023/08/18	CAM SOP-00445	Carter 2nd ed 51.2 m
OC Pesticides (Selected) & PCB (2)	4	2023/08/21	2023/08/23	CAM SOP-00307	EPA 8081B/ 8082A
OC Pesticides (Selected) & PCB (2)	1	2023/08/31	2023/08/31	CAM SOP-00307	EPA 8081B/ 8082A
OC Pesticides Summed Parameters	5	N/A	2023/08/19	CAM SOP-00307	EPA 8081B/ 8082A

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Soils are reported on a dry weight basis unless otherwise specified.
(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Your Project #: 22-0209.120a
Site Location: 6728 Sixth Line
Your C.O.C. #: 751451

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/09/24
Report #: R7828603
Version: 2 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3O7731
Received: 2023/08/16, 12:11

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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Bureau Veritas Job #: C3O7731
Report Date: 2023/09/24

EnVision Consultants Ltd.
Client Project #: 22-0209.120a
Site Location: 6728 Sixth Line
Sampler Initials: KS

O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID			WRY238	WRY239		WRY240			WRY240		
Sampling Date			2023/08/16 09:30	2023/08/16 09:45		2023/08/16 10:30			2023/08/16 10:30		
COC Number			751451	751451		751451			751451		
	UNITS	Criteria	BH22-5 HA1	BH22-4 HA1	QC Batch	BH22-1 HA1	RDL	QC Batch	BH22-1 HA1 Lab-Dup	RDL	QC Batch
Inorganics											
Chromium (VI)	ug/g	10	<0.18	<0.18	8861321	<0.18	0.18	8861655	<0.18	0.18	8861655
Metals											
Hot Water Ext. Boron (B)	ug/g	1.5	0.52	0.31	8862680	0.12	0.050	8862680			
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	0.30	8862331	<0.20	0.20	8862331			
Acid Extractable Arsenic (As)	ug/g	18	4.6	7.7	8862331	3.2	1.0	8862331			
Acid Extractable Barium (Ba)	ug/g	390	14	32	8862331	64	0.50	8862331			
Acid Extractable Beryllium (Be)	ug/g	5	<0.20	<0.20	8862331	0.46	0.20	8862331			
Acid Extractable Boron (B)	ug/g	120	8.9	8.4	8862331	5.9	5.0	8862331			
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.35	0.59	8862331	0.10	0.10	8862331			
Acid Extractable Chromium (Cr)	ug/g	160	4.2	12	8862331	16	1.0	8862331			
Acid Extractable Cobalt (Co)	ug/g	22	1.7	3.8	8862331	7.0	0.10	8862331			
Acid Extractable Copper (Cu)	ug/g	180	6.0	14	8862331	21	0.50	8862331			
Acid Extractable Lead (Pb)	ug/g	120	10	27	8862331	8.0	1.0	8862331			
Acid Extractable Molybdenum (Mo)	ug/g	6.9	0.74	0.91	8862331	<0.50	0.50	8862331			
Acid Extractable Nickel (Ni)	ug/g	130	4.9	9.7	8862331	16	0.50	8862331			
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	<0.50	8862331	<0.50	0.50	8862331			
Acid Extractable Silver (Ag)	ug/g	25	<0.20	<0.20	8862331	<0.20	0.20	8862331			
Acid Extractable Thallium (Tl)	ug/g	1	<0.050	0.080	8862331	0.084	0.050	8862331			
Acid Extractable Uranium (U)	ug/g	23	0.19	0.44	8862331	0.49	0.050	8862331			
Acid Extractable Vanadium (V)	ug/g	86	<5.0	11	8862331	24	5.0	8862331			
Acid Extractable Zinc (Zn)	ug/g	340	63	83	8862331	41	5.0	8862331			
Acid Extractable Mercury (Hg)	ug/g	1.8	0.13	**2.3**	8862331	<0.050	0.050	8862331			

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Soil - Residential/Parkland/Institutional Property Use - Medium and Fine Textured Soil

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O.REG 153 METALS PACKAGE (SOIL)

Bureau Veritas ID			WRY241		
Sampling Date			2023/08/16		
COC Number			751451		
	UNITS	Criteria	S23-1	RDL	QC Batch
Inorganics					
Chromium (VI)	ug/g	10	<0.18	0.18	8861321
Metals					
Hot Water Ext. Boron (B)	ug/g	1.5	0.18	0.050	8862680
Acid Extractable Antimony (Sb)	ug/g	7.5	<0.20	0.20	8862331
Acid Extractable Arsenic (As)	ug/g	18	2.3	1.0	8862331
Acid Extractable Barium (Ba)	ug/g	390	46	0.50	8862331
Acid Extractable Beryllium (Be)	ug/g	5	0.32	0.20	8862331
Acid Extractable Boron (B)	ug/g	120	<5.0	5.0	8862331
Acid Extractable Cadmium (Cd)	ug/g	1.2	<0.10	0.10	8862331
Acid Extractable Chromium (Cr)	ug/g	160	12	1.0	8862331
Acid Extractable Cobalt (Co)	ug/g	22	4.7	0.10	8862331
Acid Extractable Copper (Cu)	ug/g	180	19	0.50	8862331
Acid Extractable Lead (Pb)	ug/g	120	7.7	1.0	8862331
Acid Extractable Molybdenum (Mo)	ug/g	6.9	<0.50	0.50	8862331
Acid Extractable Nickel (Ni)	ug/g	130	11	0.50	8862331
Acid Extractable Selenium (Se)	ug/g	2.4	<0.50	0.50	8862331
Acid Extractable Silver (Ag)	ug/g	25	<0.20	0.20	8862331
Acid Extractable Thallium (Tl)	ug/g	1	0.075	0.050	8862331
Acid Extractable Uranium (U)	ug/g	23	0.48	0.050	8862331
Acid Extractable Vanadium (V)	ug/g	86	19	5.0	8862331
Acid Extractable Zinc (Zn)	ug/g	340	36	5.0	8862331
Acid Extractable Mercury (Hg)	ug/g	1.8	0.40	0.050	8862331

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

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

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Bureau Veritas Job #: C3O7731
Report Date: 2023/09/24

EnVision Consultants Ltd.
Client Project #: 22-0209.120a
Site Location: 6728 Sixth Line
Sampler Initials: KS

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			WRY240		WRY242			WRY243		
Sampling Date			2023/08/16 10:30		2023/08/16 10:45			2023/08/16 11:00		
COC Number			751451		751451			751451		
	UNITS	Criteria	BH22-1 HA1	RDL	HA23-1A	RDL	QC Batch	HA23-1B	RDL	QC Batch
Calculated Parameters										
Aldrin + Dieldrin	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8856383	<0.010	0.010	8856383
Chlordane (Total)	ug/g	0.05	<0.015	0.015	**0.32**	0.020	8856383	**0.14**	0.010	8856383
DDT+ Metabolites	ug/g	-	<0.0020	0.0020	0.0035	0.0020	8856383	<0.010	0.010	8856383
Heptachlor + Heptachlor epoxide	ug/g	-	<0.0020	0.0020	0.0073	0.0020	8856383	<0.010	0.010	8856383
o,p-DDD + p,p-DDD	ug/g	3.3	<0.0020	0.0020	<0.0020	0.0020	8856383	<0.010	0.010	8856383
o,p-DDE + p,p-DDE	ug/g	0.33	<0.0020	0.0020	0.0035	0.0020	8856383	<0.010	0.010	8856383
o,p-DDT + p,p-DDT	ug/g	1.4	<0.0020	0.0020	<0.0020	0.0020	8856383	<0.010	0.010	8856383
Total Endosulfan	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8856383	<0.010	0.010	8856383
Total PCB	ug/g	0.35	<0.015	0.015	<0.15	0.15	8856383	<0.075	0.075	8856383
Pesticides & Herbicides										
Aldrin	ug/g	0.05	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
a-Chlordane	ug/g	0.05	<0.015	0.015	**0.19**	0.020	8869218	**0.10**	0.010	8888609
g-Chlordane	ug/g	0.05	0.0071	0.0020	**0.12**	0.020	8869218	0.044	0.010	8888609
o,p-DDD	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
p,p-DDD	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
o,p-DDE	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
p,p-DDE	ug/g	-	<0.0020	0.0020	0.0035	0.0020	8869218	<0.010	0.010	8888609
o,p-DDT	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
p,p-DDT	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Dieldrin	ug/g	0.05	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Lindane	ug/g	0.063	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Endrin	ug/g	0.04	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Heptachlor	ug/g	0.15	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Heptachlor epoxide	ug/g	0.05	<0.0020	0.0020	0.0073	0.0020	8869218	0.0069	0.0020	8888609
Hexachlorobenzene	ug/g	0.52	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Hexachlorobutadiene	ug/g	0.014	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609

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

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

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Bureau Veritas Job #: C3O7731
Report Date: 2023/09/24

EnVision Consultants Ltd.
Client Project #: 22-0209.120a
Site Location: 6728 Sixth Line
Sampler Initials: KS

O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			WRY240		WRY242			WRY243		
Sampling Date			2023/08/16 10:30		2023/08/16 10:45			2023/08/16 11:00		
COC Number			751451		751451			751451		
	UNITS	Criteria	BH22-1 HA1	RDL	HA23-1A	RDL	QC Batch	HA23-1B	RDL	QC Batch
Hexachloroethane	ug/g	0.07	<0.0020	0.0020	<0.0020	0.0020	8869218	<0.010	0.010	8888609
Methoxychlor	ug/g	0.13	<0.0050	0.0050	<0.0050	0.0050	8869218	<0.025	0.025	8888609
Aroclor 1242	ug/g	-	<0.015	0.015	<0.015	0.015	8869218	<0.075	0.075	8888609
Aroclor 1248	ug/g	-	<0.015	0.015	<0.015	0.015	8869218	<0.075	0.075	8888609
Aroclor 1254	ug/g	-	<0.015	0.015	<0.15	0.15	8869218	<0.075	0.075	8888609
Aroclor 1260	ug/g	-	<0.015	0.015	<0.015	0.015	8869218	<0.075	0.075	8888609
Surrogate Recovery (%)										
2,4,5,6-Tetrachloro-m-xylene	%	-	98		94		8869218	92		8888609
Decachlorobiphenyl	%	-	117		123		8869218	121		8888609

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

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

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O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			WRY244		WRY245		
Sampling Date			2023/08/16 11:15		2023/08/16 10:55		
COC Number			751451		751451		
	UNITS	Criteria	HA23-1C	RDL	HA23-1D	RDL	QC Batch
Calculated Parameters							
Aldrin + Dieldrin	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8856383
Chlordane (Total)	ug/g	0.05	<0.050	0.050	**0.36**	0.020	8856383
DDT+ Metabolites	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8856383
Heptachlor + Heptachlor epoxide	ug/g	-	0.0080	0.0020	0.025	0.0020	8856383
o,p-DDD + p,p-DDD	ug/g	3.3	<0.0020	0.0020	<0.0020	0.0020	8856383
o,p-DDE + p,p-DDE	ug/g	0.33	<0.0020	0.0020	<0.0020	0.0020	8856383
o,p-DDT + p,p-DDT	ug/g	1.4	<0.0020	0.0020	<0.0020	0.0020	8856383
Total Endosulfan	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8856383
Total PCB	ug/g	0.35	<0.015	0.015	<0.15	0.15	8856383
Pesticides & Herbicides							
Aldrin	ug/g	0.05	<0.0020	0.0020	<0.0020	0.0020	8869218
a-Chlordane	ug/g	0.05	<0.050	0.050	**0.23**	0.020	8869218
g-Chlordane	ug/g	0.05	0.017	0.0020	**0.12**	0.020	8869218
o,p-DDD	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218
p,p-DDD	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218
o,p-DDE	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218
p,p-DDE	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218
o,p-DDT	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218
p,p-DDT	ug/g	-	<0.0020	0.0020	<0.0020	0.0020	8869218
Dieldrin	ug/g	0.05	<0.0020	0.0020	<0.0020	0.0020	8869218
Lindane	ug/g	0.063	<0.0020	0.0020	<0.0020	0.0020	8869218
Endosulfan I (alpha)	ug/g	0.04	<0.0020	0.0020	<0.0020	0.0020	8869218
Endosulfan II (beta)	ug/g	0.04	<0.0020	0.0020	<0.0020	0.0020	8869218
Endrin	ug/g	0.04	<0.0020	0.0020	<0.0020	0.0020	8869218
Heptachlor	ug/g	0.15	<0.0020	0.0020	<0.0020	0.0020	8869218
Heptachlor epoxide	ug/g	0.05	0.0080	0.0020	0.025	0.0020	8869218
Hexachlorobenzene	ug/g	0.52	<0.0020	0.0020	<0.0020	0.0020	8869218
Hexachlorobutadiene	ug/g	0.014	<0.0020	0.0020	<0.0020	0.0020	8869218

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

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

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O.REG 153 OC PESTICIDES (SOIL)

Bureau Veritas ID			WRY244		WRY245		
Sampling Date			2023/08/16 11:15		2023/08/16 10:55		
COC Number			751451		751451		
	UNITS	Criteria	HA23-1C	RDL	HA23-1D	RDL	QC Batch
Hexachloroethane	ug/g	0.07	<0.0020	0.0020	<0.0020	0.0020	8869218
Methoxychlor	ug/g	0.13	<0.0050	0.0050	<0.0050	0.0050	8869218
Aroclor 1242	ug/g	-	<0.015	0.015	<0.015	0.015	8869218
Aroclor 1248	ug/g	-	<0.015	0.015	<0.015	0.015	8869218
Aroclor 1254	ug/g	-	<0.015	0.015	<0.15	0.15	8869218
Aroclor 1260	ug/g	-	<0.015	0.015	<0.015	0.015	8869218
Surrogate Recovery (%)							
2,4,5,6-Tetrachloro-m-xylene	%	-	90		101		8869218
Decachlorobiphenyl	%	-	116		122		8869218

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

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

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Bureau Veritas Job #: C3O7731
Report Date: 2023/09/24

EnVision Consultants Ltd.
Client Project #: 22-0209.120a
Site Location: 6728 Sixth Line
Sampler Initials: KS

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		WRY238	WRY239	WRY240	WRY241	WRY242		WRY243		
Sampling Date		2023/08/16 09:30	2023/08/16 09:45	2023/08/16 10:30	2023/08/16	2023/08/16 10:45		2023/08/16 11:00		
COC Number		751451	751451	751451	751451	751451		751451		
	UNITS	BH22-5 HA1	BH22-4 HA1	BH22-1 HA1	S23-1	HA23-1A	QC Batch	HA23-1B	RDL	QC Batch
Inorganics										
Moisture	%	5.7	8.0	14	13	14	8861948	14	1.0	8862525

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		WRY244	WRY245		
Sampling Date		2023/08/16 11:15	2023/08/16 10:55		
COC Number		751451	751451		
	UNITS	HA23-1C	HA23-1D	RDL	QC Batch
Inorganics					
Moisture	%	15	12	1.0	8861948

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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TEST SUMMARY

Bureau Veritas ID: WRY238 **Collected:** 2023/08/16
Sample ID: BH22-5 HA1 **Shipped:**
Matrix: Soil **Received:** 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8862680	2023/08/18	2023/08/21	Jaswinder Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	8861321	2023/08/18	2023/08/19	Sousan Besharatlou
Acid Extractable Metals by ICPMS	ICP/MS	8862331	2023/08/18	2023/08/22	Gagandeep Rai
Moisture	BAL	8861948	N/A	2023/08/18	Muhammad Chhaidan

Bureau Veritas ID: WRY239 **Collected:** 2023/08/16
Sample ID: BH22-4 HA1 **Shipped:**
Matrix: Soil **Received:** 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8862680	2023/08/18	2023/08/21	Jaswinder Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	8861321	2023/08/18	2023/08/19	Sousan Besharatlou
Acid Extractable Metals by ICPMS	ICP/MS	8862331	2023/08/18	2023/08/22	Gagandeep Rai
Moisture	BAL	8861948	N/A	2023/08/18	Muhammad Chhaidan

Bureau Veritas ID: WRY240 **Collected:** 2023/08/16
Sample ID: BH22-1 HA1 **Shipped:**
Matrix: Soil **Received:** 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8862680	2023/08/18	2023/08/21	Jaswinder Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	8861655	2023/08/18	2023/08/18	Violeta Porcila
Acid Extractable Metals by ICPMS	ICP/MS	8862331	2023/08/18	2023/08/22	Gagandeep Rai
Moisture	BAL	8861948	N/A	2023/08/18	Muhammad Chhaidan
OC Pesticides (Selected) & PCB	GC/ECD	8869218	2023/08/21	2023/08/23	Joy Zhang
OC Pesticides Summed Parameters	CALC	8856383	N/A	2023/08/19	Automated Statchk

Bureau Veritas ID: WRY240 Dup **Collected:** 2023/08/16
Sample ID: BH22-1 HA1 **Shipped:**
Matrix: Soil **Received:** 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hexavalent Chromium in Soil by IC	IC/SPEC	8861655	2023/08/18	2023/08/18	Violeta Porcila

Bureau Veritas ID: WRY241 **Collected:** 2023/08/16
Sample ID: S23-1 **Shipped:**
Matrix: Soil **Received:** 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	8862680	2023/08/18	2023/08/21	Jaswinder Kaur
Hexavalent Chromium in Soil by IC	IC/SPEC	8861321	2023/08/18	2023/08/19	Sousan Besharatlou
Acid Extractable Metals by ICPMS	ICP/MS	8862331	2023/08/18	2023/08/22	Gagandeep Rai
Moisture	BAL	8861948	N/A	2023/08/18	Muhammad Chhaidan

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Bureau Veritas Job #: C3O7731
Report Date: 2023/09/24

EnVision Consultants Ltd.
Client Project #: 22-0209.120a
Site Location: 6728 Sixth Line
Sampler Initials: KS

TEST SUMMARY

Bureau Veritas ID: WRY242
Sample ID: HA23-1A
Matrix: Soil

Collected: 2023/08/16
Shipped:
Received: 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8861948	N/A	2023/08/18	Muhammad Chhaidan
OC Pesticides (Selected) & PCB	GC/ECD	8869218	2023/08/21	2023/08/23	Joy Zhang
OC Pesticides Summed Parameters	CALC	8856383	N/A	2023/08/19	Automated Statchk

Bureau Veritas ID: WRY243
Sample ID: HA23-1B
Matrix: Soil

Collected: 2023/08/16
Shipped:
Received: 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8862525	N/A	2023/08/18	Muhammad Chhaidan
OC Pesticides (Selected) & PCB	GC/ECD	8888609	2023/08/31	2023/08/31	Mahmudul Khan
OC Pesticides Summed Parameters	CALC	8856383	N/A	2023/08/19	Automated Statchk

Bureau Veritas ID: WRY244
Sample ID: HA23-1C
Matrix: Soil

Collected: 2023/08/16
Shipped:
Received: 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8861948	N/A	2023/08/18	Muhammad Chhaidan
OC Pesticides (Selected) & PCB	GC/ECD	8869218	2023/08/21	2023/08/23	Joy Zhang
OC Pesticides Summed Parameters	CALC	8856383	N/A	2023/08/19	Automated Statchk

Bureau Veritas ID: WRY245
Sample ID: HA23-1D
Matrix: Soil

Collected: 2023/08/16
Shipped:
Received: 2023/08/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	8861948	N/A	2023/08/18	Muhammad Chhaidan
OC Pesticides (Selected) & PCB	GC/ECD	8869218	2023/08/21	2023/08/23	Joy Zhang
OC Pesticides Summed Parameters	CALC	8856383	N/A	2023/08/19	Automated Statchk

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GENERAL COMMENTS

Revised Report (2023/09/22): Methyl Mercury analysis added to sample BH22-1 HA1 per client Maryanne Caluori's request.

OC Pesticide Analysis: Due to high concentrations of target analytes, sample required dilution. Detection limits were adjusted accordingly. Detection Limit was raised due to matrix interferences.

Sample WRY243 [HA23-1B] : OC Pesticide Analysis: Due to the sample matrix, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8869218	2,4,5,6-Tetrachloro-m-xylene	2023/08/23	92	50 - 130	86	50 - 130	89	%		
8869218	Decachlorobiphenyl	2023/08/23	112	50 - 130	104	50 - 130	106	%		
8888609	2,4,5,6-Tetrachloro-m-xylene	2023/08/31	89	50 - 130	89	50 - 130	95	%		
8888609	Decachlorobiphenyl	2023/08/31	121	50 - 130	122	50 - 130	129	%		
8861321	Chromium (VI)	2023/08/19	78	70 - 130	88	80 - 120	<0.18	ug/g	NC	35
8861655	Chromium (VI)	2023/08/18	82	70 - 130	86	80 - 120	<0.18	ug/g	NC	35
8861948	Moisture	2023/08/18							3.3	20
8862331	Acid Extractable Antimony (Sb)	2023/08/22	98	75 - 125	96	80 - 120	<0.20	ug/g	NC	30
8862331	Acid Extractable Arsenic (As)	2023/08/22	105	75 - 125	103	80 - 120	<1.0	ug/g	0.045	30
8862331	Acid Extractable Barium (Ba)	2023/08/22	NC	75 - 125	97	80 - 120	<0.50	ug/g	6.1	30
8862331	Acid Extractable Beryllium (Be)	2023/08/22	97	75 - 125	94	80 - 120	<0.20	ug/g	2.9	30
8862331	Acid Extractable Boron (B)	2023/08/22	89	75 - 125	94	80 - 120	<5.0	ug/g	4.5	30
8862331	Acid Extractable Cadmium (Cd)	2023/08/22	99	75 - 125	98	80 - 120	<0.10	ug/g	NC	30
8862331	Acid Extractable Chromium (Cr)	2023/08/22	98	75 - 125	102	80 - 120	<1.0	ug/g	7.7	30
8862331	Acid Extractable Cobalt (Co)	2023/08/22	102	75 - 125	100	80 - 120	<0.10	ug/g	6.5	30
8862331	Acid Extractable Copper (Cu)	2023/08/22	NC	75 - 125	100	80 - 120	<0.50	ug/g	0.82	30
8862331	Acid Extractable Lead (Pb)	2023/08/22	101	75 - 125	97	80 - 120	<1.0	ug/g	3.2	30
8862331	Acid Extractable Mercury (Hg)	2023/08/22	98	75 - 125	94	80 - 120	<0.050	ug/g	NC	30
8862331	Acid Extractable Molybdenum (Mo)	2023/08/22	102	75 - 125	102	80 - 120	<0.50	ug/g	NC	30
8862331	Acid Extractable Nickel (Ni)	2023/08/22	99	75 - 125	99	80 - 120	<0.50	ug/g	5.6	30
8862331	Acid Extractable Selenium (Se)	2023/08/22	104	75 - 125	100	80 - 120	<0.50	ug/g	NC	30
8862331	Acid Extractable Silver (Ag)	2023/08/22	101	75 - 125	99	80 - 120	<0.20	ug/g	NC	30
8862331	Acid Extractable Thallium (Tl)	2023/08/22	100	75 - 125	97	80 - 120	<0.050	ug/g	11	30
8862331	Acid Extractable Uranium (U)	2023/08/22	100	75 - 125	97	80 - 120	<0.050	ug/g	7.2	30
8862331	Acid Extractable Vanadium (V)	2023/08/22	99	75 - 125	102	80 - 120	<5.0	ug/g	5.7	30
8862331	Acid Extractable Zinc (Zn)	2023/08/22	NC	75 - 125	99	80 - 120	<5.0	ug/g	0.58	30
8862525	Moisture	2023/08/18							15	20
8862680	Hot Water Ext. Boron (B)	2023/08/21	101	75 - 125	99	75 - 125	<0.050	ug/g	0.92	40
8869218	a-Chlordane	2023/08/23	84	50 - 130	77	50 - 130	<0.0020	ug/g	NC	40
8869218	Aldrin	2023/08/23	78	50 - 130	72	50 - 130	<0.0020	ug/g	NC	40
8869218	Aroclor 1242	2023/08/23					<0.015	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8869218	Aroclor 1248	2023/08/23					<0.015	ug/g	NC	40
8869218	Aroclor 1254	2023/08/23					<0.015	ug/g	NC	40
8869218	Aroclor 1260	2023/08/23					<0.015	ug/g	NC	40
8869218	Dieldrin	2023/08/23	50	50 - 130	51	50 - 130	<0.0020	ug/g	NC	40
8869218	Endosulfan I (alpha)	2023/08/23	59	50 - 130	59	50 - 130	<0.0020	ug/g	NC	40
8869218	Endosulfan II (beta)	2023/08/23	51	50 - 130	50	50 - 130	<0.0020	ug/g	NC	40
8869218	Endrin	2023/08/23	51	50 - 130	51	50 - 130	<0.0020	ug/g	NC	40
8869218	g-Chlordane	2023/08/23	81	50 - 130	75	50 - 130	<0.0020	ug/g	NC	40
8869218	Heptachlor epoxide	2023/08/23	53	50 - 130	56	50 - 130	<0.0020	ug/g	NC	40
8869218	Heptachlor	2023/08/23	80	50 - 130	74	50 - 130	<0.0020	ug/g	NC	40
8869218	Hexachlorobenzene	2023/08/23	81	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
8869218	Hexachlorobutadiene	2023/08/23	92	50 - 130	102	50 - 130	<0.0020	ug/g	NC	40
8869218	Hexachloroethane	2023/08/23	61	50 - 130	79	50 - 130	<0.0020	ug/g	NC	40
8869218	Lindane	2023/08/23	85	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
8869218	Methoxychlor	2023/08/23	50	50 - 130	51	50 - 130	<0.0050	ug/g	NC	40
8869218	o,p-DDD	2023/08/23	90	50 - 130	82	50 - 130	<0.0020	ug/g	NC	40
8869218	o,p-DDE	2023/08/23	90	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
8869218	o,p-DDT	2023/08/23	86	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
8869218	p,p-DDD	2023/08/23	84	50 - 130	85	50 - 130	<0.0020	ug/g	NC	40
8869218	p,p-DDE	2023/08/23	91	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
8869218	p,p-DDT	2023/08/23	89	50 - 130	81	50 - 130	<0.0020	ug/g	NC	40
8888609	a-Chlordane	2023/08/31	76	50 - 130	100	50 - 130	<0.0020	ug/g	NC	40
8888609	Aldrin	2023/08/31	82	50 - 130	84	50 - 130	<0.0020	ug/g	NC	40
8888609	Aroclor 1242	2023/08/31					<0.015	ug/g	NC	40
8888609	Aroclor 1248	2023/08/31					<0.015	ug/g	NC	40
8888609	Aroclor 1254	2023/08/31					<0.015	ug/g	NC	40
8888609	Aroclor 1260	2023/08/31					<0.015	ug/g	NC	40
8888609	Dieldrin	2023/08/31	68	50 - 130	124	50 - 130	<0.0020	ug/g	NC	40
8888609	Endosulfan I (alpha)	2023/08/31	71	50 - 130	128	50 - 130	<0.0020	ug/g	NC	40
8888609	Endosulfan II (beta)	2023/08/31	66	50 - 130	111	50 - 130	<0.0020	ug/g	NC	40
8888609	Endrin	2023/08/31	66	50 - 130	120	50 - 130	<0.0020	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8888609	g-Chlordane	2023/08/31	69	50 - 130	119	50 - 130	<0.0020	ug/g	NC	40
8888609	Heptachlor epoxide	2023/08/31	60	50 - 130	112	50 - 130	<0.0020	ug/g	NC	40
8888609	Heptachlor	2023/08/31	93	50 - 130	86	50 - 130	<0.0020	ug/g	NC	40
8888609	Hexachlorobenzene	2023/08/31	80	50 - 130	73	50 - 130	<0.0020	ug/g	NC	40
8888609	Hexachlorobutadiene	2023/08/31	94	50 - 130	98	50 - 130	<0.0020	ug/g	NC	40
8888609	Hexachloroethane	2023/08/31	69	50 - 130	78	50 - 130	<0.0020	ug/g	NC	40
8888609	Lindane	2023/08/31	60	50 - 130	103	50 - 130	<0.0020	ug/g	NC	40
8888609	Methoxychlor	2023/08/31	64	50 - 130	117	50 - 130	<0.0050	ug/g	NC	40
8888609	o,p-DDD	2023/08/31	73	50 - 130	128	50 - 130	<0.0020	ug/g	NC	40
8888609	o,p-DDE	2023/08/31	97	50 - 130	99	50 - 130	<0.0020	ug/g	NC	40
8888609	o,p-DDT	2023/08/31	88	50 - 130	93	50 - 130	<0.0020	ug/g	NC	40
8888609	p,p-DDD	2023/08/31	73	50 - 130	124	50 - 130	<0.0020	ug/g	NC	40
8888609	p,p-DDE	2023/08/31	96	50 - 130	103	50 - 130	<0.0020	ug/g	NC	40
8888609	p,p-DDT	2023/08/31	84	50 - 130	94	50 - 130	<0.0020	ug/g	NC	40

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

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

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

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

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

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

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

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VALIDATION SIGNATURE PAGE

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

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

Cristina Carriere, Senior Scientific Specialist

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

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Custody Tracking Form

eCOC Number
T751451

Please use this form for custody tracking when submitting the work instructions via eCOC (electronic Chain of Custody). Please ensure your form **has a barcode or a Bureau Veritas eCOC confirmation number** in the top right hand side. This number links your electronic submission to your samples. This form should be **placed in the cooler with your samples**.

Standard TAT

Relinquished By				Received By			
Print: Kyle Serafini	Sign:	Date	23/8/16	Print:	Sign:	Date	16-Aug-23
		Time (24 HR)	12:10			Time (24 HR)	12:11
Print:	Sign:	Date	YYYY/MM/DD	Print:	Sign:	Date	YYYY/MM/DD
		Time (24 HR)	HH:MM			Time (24 HR)	HH:MM
Print:	Sign:	Date	YYYY/MM/DD	Print:	Sign:	Date	YYYY/MM/DD
		Time (24 HR)	HH:MM			Time (24 HR)	HH:MM

Unless otherwise agreed to, submissions and use of services are governed by Bureau Veritas' standard terms and conditions which can be found at www.bvna.com.

Triage Information

Sampled By (Print)	# of Coolers/Pkgs	Rush	Immediate Test	Food Residue
		Micro		Food Chemistry

***** Laboratory Use Only *****

Received At:

Labeled By:

Verified By:

Lab Comments:

16-Aug-23 12:11
Ashton Gibson
C3O7731
RUK ENV-1679

Custody Seal		Cooling Media	Temperature °C			
Present (Y/N)	Intact (Y/N)	Present (Y/N)	1	2	3	
N	N	Y	15	18	18	18 Tom 16/8/16

Drinking Water Metals Preservation Check Done (Circle) YES NO

COR FCD-00340 /5
PAGE 1 of 1

Exceedance Summary Table – Reg153/04 T2-Soil/Res-F/M

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
BH22-4 HA1	WRY239-01	Acid Extractable Mercury (Hg)	1.8	2.3	0.050	ug/g
HA23-1A	WRY242-01	a-Chlordane	0.05	0.19	0.020	ug/g
HA23-1A	WRY242-01	Chlordane (Total)	0.05	0.32	0.020	ug/g
HA23-1A	WRY242-01	g-Chlordane	0.05	0.12	0.020	ug/g
HA23-1B	WRY243-01	a-Chlordane	0.05	0.10	0.010	ug/g
HA23-1B	WRY243-01	Chlordane (Total)	0.05	0.14	0.010	ug/g
HA23-1D	WRY245-01	a-Chlordane	0.05	0.23	0.020	ug/g
HA23-1D	WRY245-01	Chlordane (Total)	0.05	0.36	0.020	ug/g
HA23-1D	WRY245-01	g-Chlordane	0.05	0.12	0.020	ug/g

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

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Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Your C.O.C. #: 967660-01-01

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/12/28
Report #: R7972088
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3BN517
Received: 2023/12/19, 17:57

Sample Matrix: Soil
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Methylnaphthalene Sum	1	N/A	2023/12/23	CAM SOP-00301	EPA 8270D m
Hot Water Extractable Boron	4	2023/12/22	2023/12/23	CAM SOP-00408	R153 Ana. Prot. 2011
Free (WAD) Cyanide	4	2023/12/21	2023/12/21	CAM SOP-00457	OMOE E3015 m
Conductivity	2	2023/12/22	2023/12/22	CAM SOP-00414	OMOE E3530 v1 m
Conductivity	2	2023/12/22	2023/12/23	CAM SOP-00414	OMOE E3530 v1 m
Hexavalent Chromium in Soil by IC (1)	4	2023/12/21	2023/12/22	CAM SOP-00436	EPA 3060A/7199 m
Petroleum Hydro. CCME F1 & BTEX in Soil (2)	5	N/A	2023/12/21	CAM SOP-00315	CCME PHC-CWS m
Petroleum Hydrocarbons F2-F4 in Soil (3)	5	2023/12/21	2023/12/22	CAM SOP-00316	CCME CWS m
Acid Extractable Metals by ICPMS	4	2023/12/22	2023/12/22	CAM SOP-00447	EPA 6020B m
Moisture	9	N/A	2023/12/21	CAM SOP-00445	Carter 2nd ed 70.2 m
PAH Compounds in Soil by GC/MS (SIM)	1	2023/12/21	2023/12/23	CAM SOP-00318	EPA 8270E
pH CaCl2 EXTRACT	4	2023/12/21	2023/12/21	CAM SOP-00413	EPA 9045 D m
Sodium Adsorption Ratio (SAR)	4	N/A	2023/12/27	CAM SOP-00102	EPA 6010C

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Your C.O.C. #: 967660-01-01

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/12/28
Report #: R7972088
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3BN517
Received: 2023/12/19, 17:57

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

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

(1) Soils are reported on a dry weight basis unless otherwise specified.
(2) No lab extraction date is given for F1BTEX & VOC samples that are field preserved with methanol. Extraction date is the date sampled unless otherwise stated.
(3) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			XYF872		XYF874		XYF876		
Sampling Date			2023/12/19 10:45		2023/12/19 08:45		2023/12/19 13:00		
COC Number			967660-01-01		967660-01-01		967660-01-01		
	UNITS	Criteria	BH23-8-1A	QC Batch	BH23-7-1A	QC Batch	BH23-4-1A	RDL	QC Batch
Calculated Parameters									
Sodium Adsorption Ratio	N/A	2.4	0.21	9124120	1.1	9124120	0.27 (1)		9124120
Inorganics									
Conductivity	mS/cm	0.57	0.30	9129277	0.34	9129345	0.15	0.002	9129277
Available (CaCl2) pH	pH	-	7.26	9125937	7.46	9125937	7.38		9125937
WAD Cyanide (Free)	ug/g	0.051	<0.01	9125469	<0.01	9125469	<0.01	0.01	9125469
Chromium (VI)	ug/g	0.66	<0.18	9125744	<0.18	9125744	<0.18	0.18	9125744
Metals									
Hot Water Ext. Boron (B)	ug/g	-	0.42	9129465	0.61	9129465	0.11	0.050	9129465
Acid Extractable Antimony (Sb)	ug/g	1.3	<0.20	9129312	<0.20	9129312	<0.20	0.20	9129312
Acid Extractable Arsenic (As)	ug/g	18	3.8	9129312	5.5	9129312	2.5	1.0	9129312
Acid Extractable Barium (Ba)	ug/g	220	63	9129312	68	9129312	31	0.50	9129312
Acid Extractable Beryllium (Be)	ug/g	2.5	0.68	9129312	0.82	9129312	0.35	0.20	9129312
Acid Extractable Boron (B)	ug/g	36	5.6	9129312	7.0	9129312	<5.0	5.0	9129312
Acid Extractable Cadmium (Cd)	ug/g	1.2	0.23	9129312	0.25	9129312	<0.10	0.10	9129312
Acid Extractable Chromium (Cr)	ug/g	70	17	9129312	20	9129312	11	1.0	9129312
Acid Extractable Cobalt (Co)	ug/g	21	8.8	9129312	9.4	9129312	4.4	0.10	9129312
Acid Extractable Copper (Cu)	ug/g	92	20	9129312	21	9129312	18	0.50	9129312
Acid Extractable Lead (Pb)	ug/g	120	12	9129312	21	9129312	7.4	1.0	9129312
Acid Extractable Molybdenum (Mo)	ug/g	2	<0.50	9129312	<0.50	9129312	<0.50	0.50	9129312
Acid Extractable Nickel (Ni)	ug/g	82	20	9129312	22	9129312	11	0.50	9129312
Acid Extractable Selenium (Se)	ug/g	1.5	<0.50	9129312	<0.50	9129312	<0.50	0.50	9129312
Acid Extractable Silver (Ag)	ug/g	0.5	<0.20	9129312	<0.20	9129312	<0.20	0.20	9129312
Acid Extractable Thallium (Tl)	ug/g	1	0.095	9129312	0.13	9129312	0.066	0.050	9129312
Acid Extractable Uranium (U)	ug/g	2.5	0.90	9129312	1.2	9129312	0.38	0.050	9129312
Acid Extractable Vanadium (V)	ug/g	86	26	9129312	29	9129312	19	5.0	9129312
Acid Extractable Zinc (Zn)	ug/g	290	66	9129312	78	9129312	33	5.0	9129312

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Soil - Residential/Parkland/Institutional/Industrial/Commercial/Community Property Use
(1) Sodium was not detected. To report SAR the sodium detection limit was used in the calculation. This value represents a maximum ratio.

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Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			XYF872		XYF874		XYF876		
Sampling Date			2023/12/19 10:45		2023/12/19 08:45		2023/12/19 13:00		
COC Number			967660-01-01		967660-01-01		967660-01-01		
	UNITS	Criteria	BH23-8-1A	QC Batch	BH23-7-1A	QC Batch	BH23-4-1A	RDL	QC Batch
Acid Extractable Mercury (Hg)	ug/g	0.27	0.058	9129312	0.24	9129312	<0.050	0.050	9129312

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

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

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O.REG 153 METALS & INORGANICS PKG (SOIL)

Bureau Veritas ID			XYF876			XYF881		
Sampling Date			2023/12/19 13:00			2023/12/19 11:00		
COC Number			967660-01-01			967660-01-01		
	UNITS	Criteria	BH23-4-1A Lab-Dup	RDL	QC Batch	BH23-9-1B	RDL	QC Batch
Calculated Parameters								
Sodium Adsorption Ratio	N/A	2.4				0.23		9124120
Inorganics								
Conductivity	mS/cm	0.57				0.26	0.002	9129345
Available (CaCl2) pH	pH	-				7.59		9125937
WAD Cyanide (Free)	ug/g	0.051				<0.01	0.01	9125469
Chromium (VI)	ug/g	0.66				<0.18	0.18	9125744
Metals								
Hot Water Ext. Boron (B)	ug/g	-	0.12	0.050	9129465	0.11	0.050	9129465
Acid Extractable Antimony (Sb)	ug/g	1.3				<0.20	0.20	9129312
Acid Extractable Arsenic (As)	ug/g	18				11	1.0	9129312
Acid Extractable Barium (Ba)	ug/g	220				87	0.50	9129312
Acid Extractable Beryllium (Be)	ug/g	2.5				0.69	0.20	9129312
Acid Extractable Boron (B)	ug/g	36				10	5.0	9129312
Acid Extractable Cadmium (Cd)	ug/g	1.2				<0.10	0.10	9129312
Acid Extractable Chromium (Cr)	ug/g	70				20	1.0	9129312
Acid Extractable Cobalt (Co)	ug/g	21				15	0.10	9129312
Acid Extractable Copper (Cu)	ug/g	92				35	0.50	9129312
Acid Extractable Lead (Pb)	ug/g	120				12	1.0	9129312
Acid Extractable Molybdenum (Mo)	ug/g	2				0.60	0.50	9129312
Acid Extractable Nickel (Ni)	ug/g	82				29	0.50	9129312
Acid Extractable Selenium (Se)	ug/g	1.5				<0.50	0.50	9129312
Acid Extractable Silver (Ag)	ug/g	0.5				<0.20	0.20	9129312
Acid Extractable Thallium (Tl)	ug/g	1				0.19	0.050	9129312
Acid Extractable Uranium (U)	ug/g	2.5				0.60	0.050	9129312
Acid Extractable Vanadium (V)	ug/g	86				28	5.0	9129312
Acid Extractable Zinc (Zn)	ug/g	290				66	5.0	9129312
Acid Extractable Mercury (Hg)	ug/g	0.27				<0.050	0.050	9129312

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

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

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O.REG 153 PAHS (SOIL)

Bureau Veritas ID			XYF870		
Sampling Date			2023/12/19 15:00		
COC Number			967660-01-01		
	UNITS	Criteria	MW18-3B-4A	RDL	QC Batch
Calculated Parameters					
Methylnaphthalene, 2-(1-)	ug/g	0.59	<0.0071	0.0071	9123904
Polyaromatic Hydrocarbons					
Acenaphthene	ug/g	0.072	<0.0050	0.0050	9126892
Acenaphthylene	ug/g	0.093	<0.0050	0.0050	9126892
Anthracene	ug/g	0.16	<0.0050	0.0050	9126892
Benzo(a)anthracene	ug/g	0.36	<0.0050	0.0050	9126892
Benzo(a)pyrene	ug/g	0.3	<0.0050	0.0050	9126892
Benzo(b/j)fluoranthene	ug/g	0.47	<0.0050	0.0050	9126892
Benzo(g,h,i)perylene	ug/g	0.68	<0.0050	0.0050	9126892
Benzo(k)fluoranthene	ug/g	0.48	<0.0050	0.0050	9126892
Chrysene	ug/g	2.8	<0.0050	0.0050	9126892
Dibenzo(a,h)anthracene	ug/g	0.1	<0.0050	0.0050	9126892
Fluoranthene	ug/g	0.56	<0.0050	0.0050	9126892
Fluorene	ug/g	0.12	<0.0050	0.0050	9126892
Indeno(1,2,3-cd)pyrene	ug/g	0.23	<0.0050	0.0050	9126892
1-Methylnaphthalene	ug/g	0.59	<0.0050	0.0050	9126892
2-Methylnaphthalene	ug/g	0.59	<0.0050	0.0050	9126892
Naphthalene	ug/g	0.09	<0.0050	0.0050	9126892
Phenanthrene	ug/g	0.69	0.0051	0.0050	9126892
Pyrene	ug/g	1	<0.0050	0.0050	9126892
Surrogate Recovery (%)					
D10-Anthracene	%	-	94		9126892
D14-Terphenyl (FS)	%	-	93		9126892
D8-Acenaphthylene	%	-	94		9126892

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

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

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Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

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

Bureau Veritas ID			XYF870	XYF871	XYF878	XYF879	XYF880		
Sampling Date			2023/12/19 15:00	2023/12/19 15:10	2023/12/19 13:35	2023/12/19 12:07	2023/12/19 15:30		
COC Number			967660-01-01	967660-01-01	967660-01-01	967660-01-01	967660-01-01		
	UNITS	Criteria	MW18-3B-4A	MW18-3B-4B	BH23-4-4A	BH23-6-4A	BH23-5-4A	RDL	QC Batch
BTEX & F1 Hydrocarbons									
Benzene	ug/g	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9126239
Toluene	ug/g	0.2	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9126239
Ethylbenzene	ug/g	0.05	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9126239
o-Xylene	ug/g	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	9126239
p+m-Xylene	ug/g	-	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	9126239
Total Xylenes	ug/g	0.05	<0.040	<0.040	<0.040	<0.040	<0.040	0.040	9126239
F1 (C6-C10)	ug/g	25	<10	<10	<10	<10	<10	10	9126239
F1 (C6-C10) - BTEX	ug/g	25	<10	<10	<10	<10	<10	10	9126239
F2-F4 Hydrocarbons									
F2 (C10-C16 Hydrocarbons)	ug/g	10	<10	<10	<10	<10	<10	10	9127067
F3 (C16-C34 Hydrocarbons)	ug/g	240	<50	<50	<50	<50	55	50	9127067
F4 (C34-C50 Hydrocarbons)	ug/g	120	<50	<50	<50	<50	<50	50	9127067
Reached Baseline at C50	ug/g	-	Yes	Yes	Yes	Yes	Yes		9127067
Surrogate Recovery (%)									
1,4-Difluorobenzene	%	-	101	102	101	100	101		9126239
4-Bromofluorobenzene	%	-	98	102	99	99	99		9126239
D10-o-Xylene	%	-	100	99	99	97	105		9126239
D4-1,2-Dichloroethane	%	-	95	101	101	98	96		9126239
o-Terphenyl	%	-	100	103	105	104	104		9127067

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

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

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Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

RESULTS OF ANALYSES OF SOIL

Bureau Veritas ID		XYF870		XYF871	XYF871		XYF872	XYF874		
Sampling Date		2023/12/19 15:00		2023/12/19 15:10	2023/12/19 15:10		2023/12/19 10:45	2023/12/19 08:45		
COC Number		967660-01-01		967660-01-01	967660-01-01		967660-01-01	967660-01-01		
	UNITS	MW18-3B-4A	QC Batch	MW18-3B-4B	MW18-3B-4B Lab-Dup	QC Batch	BH23-8-1A	BH23-7-1A	RDL	QC Batch
Inorganics										
Moisture	%	9.5	9126763	9.9	9.1	9126749	21	11	1.0	9125655

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

Bureau Veritas ID		XYF876		XYF878		XYF879	XYF880		
Sampling Date		2023/12/19 13:00		2023/12/19 13:35		2023/12/19 12:07	2023/12/19 15:30		
COC Number		967660-01-01		967660-01-01		967660-01-01	967660-01-01		
	UNITS	BH23-4-1A	QC Batch	BH23-4-4A	QC Batch	BH23-6-4A	BH23-5-4A	RDL	QC Batch
Inorganics									
Moisture	%	22	9125728	8.8	9126749	12	17	1.0	9126763

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas ID		XYF881	XYF881		
Sampling Date		2023/12/19 11:00	2023/12/19 11:00		
COC Number		967660-01-01	967660-01-01		
	UNITS	BH23-9-1B	BH23-9-1B Lab-Dup	RDL	QC Batch
Inorganics					
Moisture	%	14	12	1.0	9125728

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

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Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

TEST SUMMARY

Bureau Veritas ID: XYF870
Sample ID: MW18-3B-4A
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Methylnaphthalene Sum	CALC	9123904	N/A	2023/12/23	Automated Statchk
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9126239	N/A	2023/12/21	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9127067	2023/12/21	2023/12/22	Jeevaraj Jeevaratrnam
Moisture	BAL	9126763	N/A	2023/12/21	Ibadat Preet
PAH Compounds in Soil by GC/MS (SIM)	GC/MS	9126892	2023/12/21	2023/12/23	Mitesh Raj

Bureau Veritas ID: XYF871
Sample ID: MW18-3B-4B
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9126239	N/A	2023/12/21	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9127067	2023/12/21	2023/12/22	Jeevaraj Jeevaratrnam
Moisture	BAL	9126749	N/A	2023/12/21	Ibadat Preet

Bureau Veritas ID: XYF871 Dup
Sample ID: MW18-3B-4B
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	9126749	N/A	2023/12/21	Ibadat Preet

Bureau Veritas ID: XYF872
Sample ID: BH23-8-1A
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9129465	2023/12/22	2023/12/23	Medhat Nasr
Free (WAD) Cyanide	TECH	9125469	2023/12/21	2023/12/21	Prgya Panchal
Conductivity	AT	9129277	2023/12/22	2023/12/23	Leily Karimi
Hexavalent Chromium in Soil by IC	IC/SPEC	9125744	2023/12/21	2023/12/22	Surleen Kaur Romana
Acid Extractable Metals by ICPMS	ICP/MS	9129312	2023/12/22	2023/12/22	Daniel Teclu
Moisture	BAL	9125655	N/A	2023/12/21	Ibadat Preet
pH CaCl2 EXTRACT	AT	9125937	2023/12/21	2023/12/21	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9124120	N/A	2023/12/27	Automated Statchk

Bureau Veritas ID: XYF874
Sample ID: BH23-7-1A
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9129465	2023/12/22	2023/12/23	Medhat Nasr
Free (WAD) Cyanide	TECH	9125469	2023/12/21	2023/12/21	Prgya Panchal
Conductivity	AT	9129345	2023/12/22	2023/12/22	Leily Karimi
Hexavalent Chromium in Soil by IC	IC/SPEC	9125744	2023/12/21	2023/12/22	Surleen Kaur Romana

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TEST SUMMARY

Bureau Veritas ID: XYF874 **Collected:** 2023/12/19
Sample ID: BH23-7-1A **Shipped:**
Matrix: Soil **Received:** 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Acid Extractable Metals by ICPMS	ICP/MS	9129312	2023/12/22	2023/12/22	Daniel Teclu
Moisture	BAL	9125655	N/A	2023/12/21	Ibadat Preet
pH CaCl2 EXTRACT	AT	9125937	2023/12/21	2023/12/21	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9124120	N/A	2023/12/27	Automated Statchk

Bureau Veritas ID: XYF876 **Collected:** 2023/12/19
Sample ID: BH23-4-1A **Shipped:**
Matrix: Soil **Received:** 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9129465	2023/12/22	2023/12/23	Medhat Nasr
Free (WAD) Cyanide	TECH	9125469	2023/12/21	2023/12/21	Prgya Panchal
Conductivity	AT	9129277	2023/12/22	2023/12/23	Leily Karimi
Hexavalent Chromium in Soil by IC	IC/SPEC	9125744	2023/12/21	2023/12/22	Surleen Kaur Romana
Acid Extractable Metals by ICPMS	ICP/MS	9129312	2023/12/22	2023/12/22	Daniel Teclu
Moisture	BAL	9125728	N/A	2023/12/21	Ibadat Preet
pH CaCl2 EXTRACT	AT	9125937	2023/12/21	2023/12/21	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9124120	N/A	2023/12/27	Automated Statchk

Bureau Veritas ID: XYF876 Dup **Collected:** 2023/12/19
Sample ID: BH23-4-1A **Shipped:**
Matrix: Soil **Received:** 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9129465	2023/12/22	2023/12/23	Medhat Nasr

Bureau Veritas ID: XYF878 **Collected:** 2023/12/19
Sample ID: BH23-4-4A **Shipped:**
Matrix: Soil **Received:** 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9126239	N/A	2023/12/21	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9127067	2023/12/21	2023/12/22	Jeevaraj Jeevaratrnam
Moisture	BAL	9126749	N/A	2023/12/21	Ibadat Preet

Bureau Veritas ID: XYF879 **Collected:** 2023/12/19
Sample ID: BH23-6-4A **Shipped:**
Matrix: Soil **Received:** 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9126239	N/A	2023/12/21	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9127067	2023/12/21	2023/12/22	Jeevaraj Jeevaratrnam
Moisture	BAL	9126763	N/A	2023/12/21	Ibadat Preet

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Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

TEST SUMMARY

Bureau Veritas ID: XYF880
Sample ID: BH23-5-4A
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Petroleum Hydro. CCME F1 & BTEX in Soil	HSGC/MSFD	9126239	N/A	2023/12/21	Lincoln Ramdahin
Petroleum Hydrocarbons F2-F4 in Soil	GC/FID	9127067	2023/12/21	2023/12/22	Jeevaraj Jeevaratrnam
Moisture	BAL	9126763	N/A	2023/12/21	Ibadat Preet

Bureau Veritas ID: XYF881
Sample ID: BH23-9-1B
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Hot Water Extractable Boron	ICP	9129465	2023/12/22	2023/12/23	Medhat Nasr
Free (WAD) Cyanide	TECH	9125469	2023/12/21	2023/12/21	Prgya Panchal
Conductivity	AT	9129345	2023/12/22	2023/12/22	Leily Karimi
Hexavalent Chromium in Soil by IC	IC/SPEC	9125744	2023/12/21	2023/12/22	Surleen Kaur Romana
Acid Extractable Metals by ICPMS	ICP/MS	9129312	2023/12/22	2023/12/22	Daniel Teclu
Moisture	BAL	9125728	N/A	2023/12/21	Ibadat Preet
pH CaCl2 EXTRACT	AT	9125937	2023/12/21	2023/12/21	Kien Tran
Sodium Adsorption Ratio (SAR)	CALC/MET	9124120	N/A	2023/12/27	Automated Statchk

Bureau Veritas ID: XYF881 Dup
Sample ID: BH23-9-1B
Matrix: Soil

Collected: 2023/12/19
Shipped:
Received: 2023/12/19

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Moisture	BAL	9125728	N/A	2023/12/21	Ibadat Preet

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GENERAL COMMENTS

Sample XYF870 [MW18-3B-4A] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample XYF871 [MW18-3B-4B] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample XYF878 [BH23-4-4A] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample XYF879 [BH23-6-4A] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Sample XYF880 [BH23-5-4A] : F1/BTEX Analysis: Soil weight exceeds the protocol specification of approximately 5g in the field preserved vial. Additional methanol was added to the vial to ensure extraction efficiency.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9126239	1,4-Difluorobenzene	2023/12/21	100	60 - 140	98	60 - 140	99	%		
9126239	4-Bromofluorobenzene	2023/12/21	100	60 - 140	102	60 - 140	100	%		
9126239	D10-o-Xylene	2023/12/21	104	60 - 140	100	60 - 140	91	%		
9126239	D4-1,2-Dichloroethane	2023/12/21	100	60 - 140	103	60 - 140	102	%		
9126892	D10-Anthracene	2023/12/22	95	50 - 130	95	50 - 130	104	%		
9126892	D14-Terphenyl (FS)	2023/12/22	79	50 - 130	92	50 - 130	99	%		
9126892	D8-Acenaphthylene	2023/12/22	81	50 - 130	92	50 - 130	98	%		
9127067	o-Terphenyl	2023/12/21	92	60 - 130	97	60 - 130	103	%		
9125469	WAD Cyanide (Free)	2023/12/21	97	75 - 125	102	80 - 120	<0.01	ug/g	NC	35
9125655	Moisture	2023/12/21							2.8	20
9125728	Moisture	2023/12/21							12	20
9125744	Chromium (VI)	2023/12/22	84	70 - 130	93	80 - 120	<0.18	ug/g	7.0	35
9125937	Available (CaCl2) pH	2023/12/21			100	97 - 103			0.19	N/A
9126239	Benzene	2023/12/21	95	50 - 140	97	50 - 140	<0.020	ug/g	NC	50
9126239	Ethylbenzene	2023/12/21	101	50 - 140	99	50 - 140	<0.020	ug/g	NC	50
9126239	F1 (C6-C10) - BTEX	2023/12/21					<10	ug/g	NC	30
9126239	F1 (C6-C10)	2023/12/21	108	60 - 140	106	80 - 120	<10	ug/g	NC	30
9126239	o-Xylene	2023/12/21	95	50 - 140	95	50 - 140	<0.020	ug/g	NC	50
9126239	p+m-Xylene	2023/12/21	93	50 - 140	91	50 - 140	<0.040	ug/g	NC	50
9126239	Toluene	2023/12/21	92	50 - 140	92	50 - 140	<0.020	ug/g	NC	50
9126239	Total Xylenes	2023/12/21					<0.040	ug/g	NC	50
9126749	Moisture	2023/12/21							8.4	20
9126763	Moisture	2023/12/21							0.55	20
9126892	1-Methylnaphthalene	2023/12/22	98	50 - 130	102	50 - 130	<0.0050	ug/g	NC	40
9126892	2-Methylnaphthalene	2023/12/22	90	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9126892	Acenaphthene	2023/12/22	87	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9126892	Acenaphthylene	2023/12/22	84	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
9126892	Anthracene	2023/12/22	83	50 - 130	92	50 - 130	<0.0050	ug/g	NC	40
9126892	Benzo(a)anthracene	2023/12/22	94	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40
9126892	Benzo(a)pyrene	2023/12/22	89	50 - 130	94	50 - 130	<0.0050	ug/g	NC	40
9126892	Benzo(b/j)fluoranthene	2023/12/22	83	50 - 130	96	50 - 130	<0.0050	ug/g	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9126892	Benzo(g,h,i)perylene	2023/12/22	99	50 - 130	99	50 - 130	<0.0050	ug/g	NC	40
9126892	Benzo(k)fluoranthene	2023/12/22	80	50 - 130	100	50 - 130	<0.0050	ug/g	NC	40
9126892	Chrysene	2023/12/22	91	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9126892	Dibenzo(a,h)anthracene	2023/12/22	90	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9126892	Fluoranthene	2023/12/22	79	50 - 130	96	50 - 130	<0.0050	ug/g	3.4	40
9126892	Fluorene	2023/12/22	84	50 - 130	93	50 - 130	<0.0050	ug/g	NC	40
9126892	Indeno(1,2,3-cd)pyrene	2023/12/22	93	50 - 130	97	50 - 130	<0.0050	ug/g	NC	40
9126892	Naphthalene	2023/12/22	81	50 - 130	90	50 - 130	<0.0050	ug/g	NC	40
9126892	Phenanthrene	2023/12/22	75	50 - 130	88	50 - 130	<0.0050	ug/g	NC	40
9126892	Pyrene	2023/12/22	80	50 - 130	95	50 - 130	<0.0050	ug/g	NC	40
9127067	F2 (C10-C16 Hydrocarbons)	2023/12/22	102	60 - 130	103	80 - 120	<10	ug/g	NC	30
9127067	F3 (C16-C34 Hydrocarbons)	2023/12/22	102	60 - 130	103	80 - 120	<50	ug/g	0.87	30
9127067	F4 (C34-C50 Hydrocarbons)	2023/12/22	104	60 - 130	106	80 - 120	<50	ug/g	8.2	30
9129277	Conductivity	2023/12/23			102	90 - 110	<0.002	mS/cm	2.9	10
9129312	Acid Extractable Antimony (Sb)	2023/12/22	103	75 - 125	106	80 - 120	<0.20	ug/g	NC	30
9129312	Acid Extractable Arsenic (As)	2023/12/22	100	75 - 125	101	80 - 120	<1.0	ug/g	0.34	30
9129312	Acid Extractable Barium (Ba)	2023/12/22	98	75 - 125	104	80 - 120	<0.50	ug/g	3.2	30
9129312	Acid Extractable Beryllium (Be)	2023/12/22	100	75 - 125	98	80 - 120	<0.20	ug/g	6.0	30
9129312	Acid Extractable Boron (B)	2023/12/22	97	75 - 125	95	80 - 120	<5.0	ug/g	NC	30
9129312	Acid Extractable Cadmium (Cd)	2023/12/22	103	75 - 125	104	80 - 120	<0.10	ug/g	NC	30
9129312	Acid Extractable Chromium (Cr)	2023/12/22	98	75 - 125	101	80 - 120	<1.0	ug/g	8.1	30
9129312	Acid Extractable Cobalt (Co)	2023/12/22	97	75 - 125	101	80 - 120	<0.10	ug/g	5.8	30
9129312	Acid Extractable Copper (Cu)	2023/12/22	98	75 - 125	102	80 - 120	<0.50	ug/g	2.4	30
9129312	Acid Extractable Lead (Pb)	2023/12/22	98	75 - 125	102	80 - 120	<1.0	ug/g	2.7	30
9129312	Acid Extractable Mercury (Hg)	2023/12/22	98	75 - 125	102	80 - 120	<0.050	ug/g		
9129312	Acid Extractable Molybdenum (Mo)	2023/12/22	103	75 - 125	100	80 - 120	<0.50	ug/g	0.81	30
9129312	Acid Extractable Nickel (Ni)	2023/12/22	96	75 - 125	101	80 - 120	<0.50	ug/g	6.7	30
9129312	Acid Extractable Selenium (Se)	2023/12/22	102	75 - 125	104	80 - 120	<0.50	ug/g	NC	30
9129312	Acid Extractable Silver (Ag)	2023/12/22	101	75 - 125	102	80 - 120	<0.20	ug/g	NC	30
9129312	Acid Extractable Thallium (Tl)	2023/12/22	102	75 - 125	107	80 - 120	<0.050	ug/g	16	30
9129312	Acid Extractable Uranium (U)	2023/12/22	102	75 - 125	105	80 - 120	<0.050	ug/g	1.7	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9129312	Acid Extractable Vanadium (V)	2023/12/22	102	75 - 125	103	80 - 120	<5.0	ug/g	4.7	30
9129312	Acid Extractable Zinc (Zn)	2023/12/22	96	75 - 125	104	80 - 120	<5.0	ug/g	7.0	30
9129345	Conductivity	2023/12/22			103	90 - 110	<0.002	mS/cm	1.6	10
9129465	Hot Water Ext. Boron (B)	2023/12/23	106	75 - 125	107	75 - 125	<0.050	ug/g	6.8	40

N/A = Not Applicable

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

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

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

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

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

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

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Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist

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

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CHAIN OF CUSTOD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:	Envision Consultants Ltd.	Quotation #:	[redacted]
Attention:	Accounts Payable	Attention:	[redacted] Shawna Lundrigan	P.O. #:	
Address:	40-6415 Northwest Drive	Address:		Project:	[redacted] 22-0209
	Mississauga ON L4V 1X1			Project Name:	6728 Sixth Line, Milton
Tel:	[redacted] 905 677 [illegible] 202		Fax:	Site #:	
Email:	payables@envisionconsultants.ca	Email:	[redacted]@envisionconsultants.ca	Sampled By:	RA

Quotation #: [redacted] Bu
P.O. #:
Project: [redacted] 22-0209
Project Name: 6728 Sixth Line, Milton
Site #:
Sampled By: RA

ION-2023-12-1525

C#667660-01-01

Ashton Gibson

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

Regulation 153 (2011)
- [X] Table 1 [X] Res/Park [X] Medium/Fine
- [ ] Table 2 [X] Ind/Comm [ ] Coarse
- [ ] Table 3 [ ] Agri/Other [ ] For RSC
- [ ] Table ___

Other Regulations
- [ ] CCME [ ] Sanitary Sewer Bylaw
- [ ] Reg 558 [ ] Storm Sewer Bylaw
- [ ] MISA Municipality ___
- [ ] PWQO [ ] Reg 406 Table ___
- [ ] Other ___

Special Instructions

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

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Metals + Inorganics	ON HOLD	[redacted] PHCs F1-F4	PAHs	# of Bottles	Comments
1		MW18-3B-4A	December 4, 2023	3:00pm	Soil			X	X	4	
2		MW18-3B-4B		3:10pm				X		3	
3		BH23-8-1A		10:45am		X				1	
4		BH23-8-1B		10:50am			X			1	
5		BH23-7-1A		8:45am		X				1	
6		BH23-7-1B		8:50am			X			1	
7		BH23-4-1A		1:00pm		X				1	
8		BH23-4-1B		1:05pm			X			1	
9		BH23-4-4A		1:35pm				X		3	
10		BH23-6-4A		12:07pm				X		3	

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Ruh Amin	23/12/19	5:45pm	[illegible]	23/12/19	17:57	Ø

Laboratory Use Only
Time Sensitive | Temperature (°C) on Recei: 2/3/5 | Custody Seal Present: Yes ✓ / No | Intact

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.

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

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

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

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

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CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:	Envision Consultants Ltd.	Quotation #:	C3420	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Shawna Lundrigan	P.O. #:			968397
Address:	40-6415 Northwest Drive	Address:		Project:	22-0209	COC #:	Project Manager:
	Mississauga ON L4V 1X1			Project Name:	6728 Sixth Line, Milton	C#968397-01-01	Ashton Gibson
Tel:	905 677 0202		slundrigan Fax:	Site #:			
Email:	payables@envisionconsultants.ca	Email:	@envisionconsultants.ca	Sampled By:	RA		

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

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

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

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC):

Turnaround Time (TAT) Required:

Please provide advance notice for rush projects

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered	PHCs F1-F4	Metals + Inorganics							# of Bottles	Comments
1		BH23-5-4A	December 4, 2023	3:30 pm	soil		X								3	
2		BH23-9-1B	↓	11:00 am	↓			X							1	
3																
4																
5																
6																
7																
8																
9																
10																

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only				
Ruth Amin RA	23/12/19	5:45pm	[illegible]			Ø	Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
									Intact		

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.

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** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

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

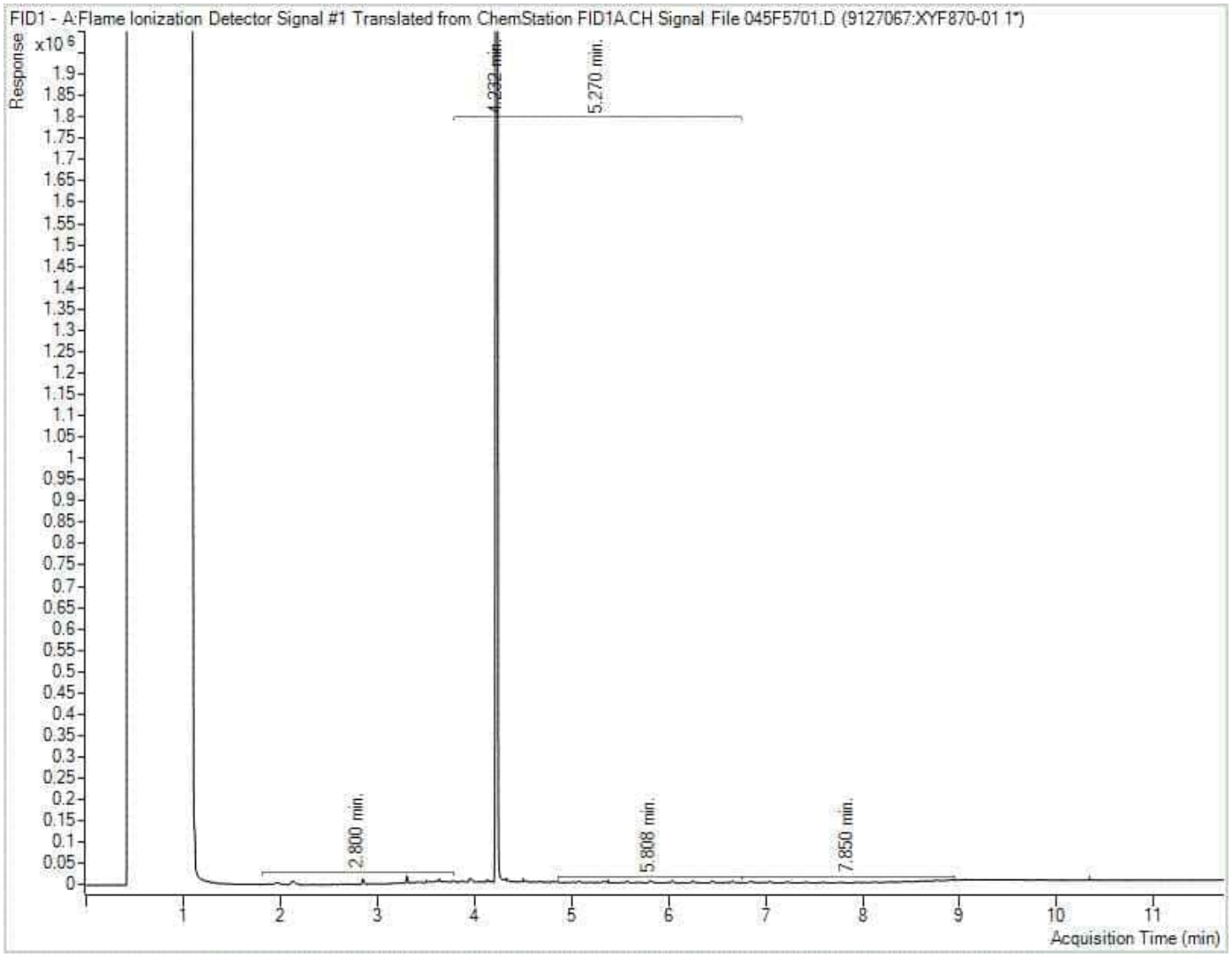
White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28
Bureau Veritas Sample: XYF870

EnVision Consultants Ltd.
Client Project #: 22-0209
Project name: 6728 SIXTH LINE, MILTON
Client ID: MW18-3B-4A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

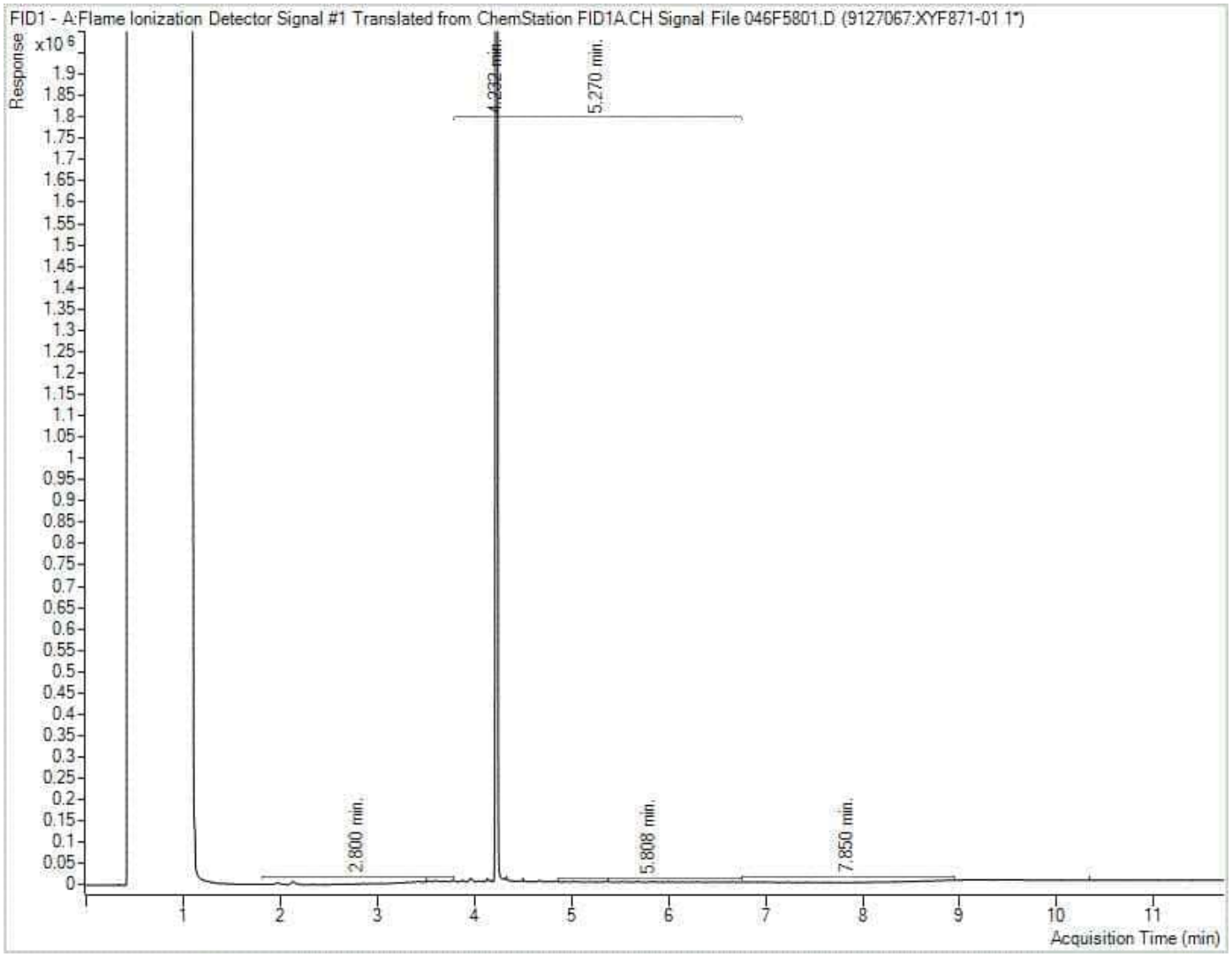


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28
Bureau Veritas Sample: XYF871

EnVision Consultants Ltd.
Client Project #: 22-0209
Project name: 6728 SIXTH LINE, MILTON
Client ID: MW18-3B-4B

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

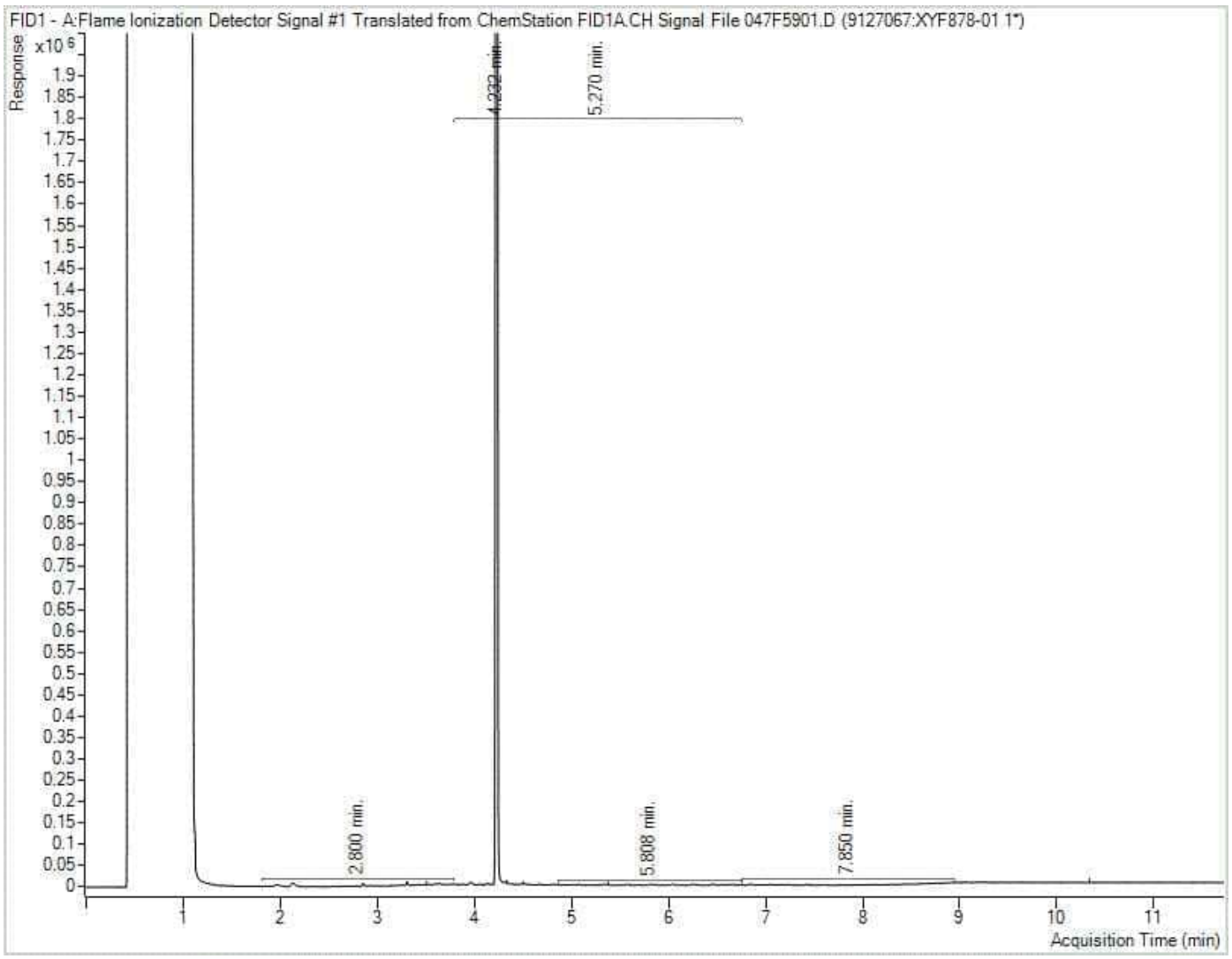


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28
Bureau Veritas Sample: XYF878

EnVision Consultants Ltd.
Client Project #: 22-0209
Project name: 6728 SIXTH LINE, MILTON
Client ID: BH23-4-4A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

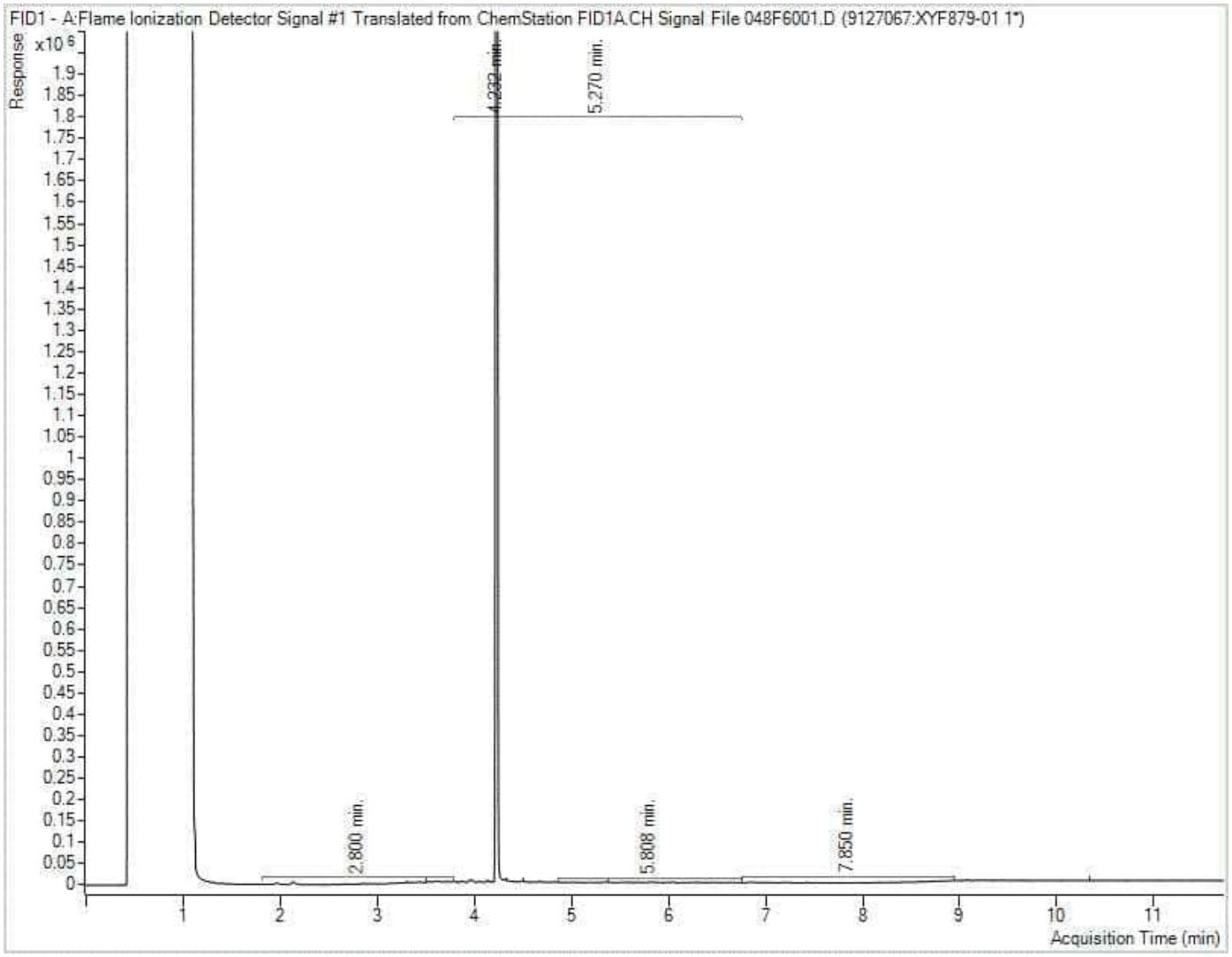


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28
Bureau Veritas Sample: XYF879

EnVision Consultants Ltd.
Client Project #: 22-0209
Project name: 6728 SIXTH LINE, MILTON
Client ID: BH23-6-4A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram

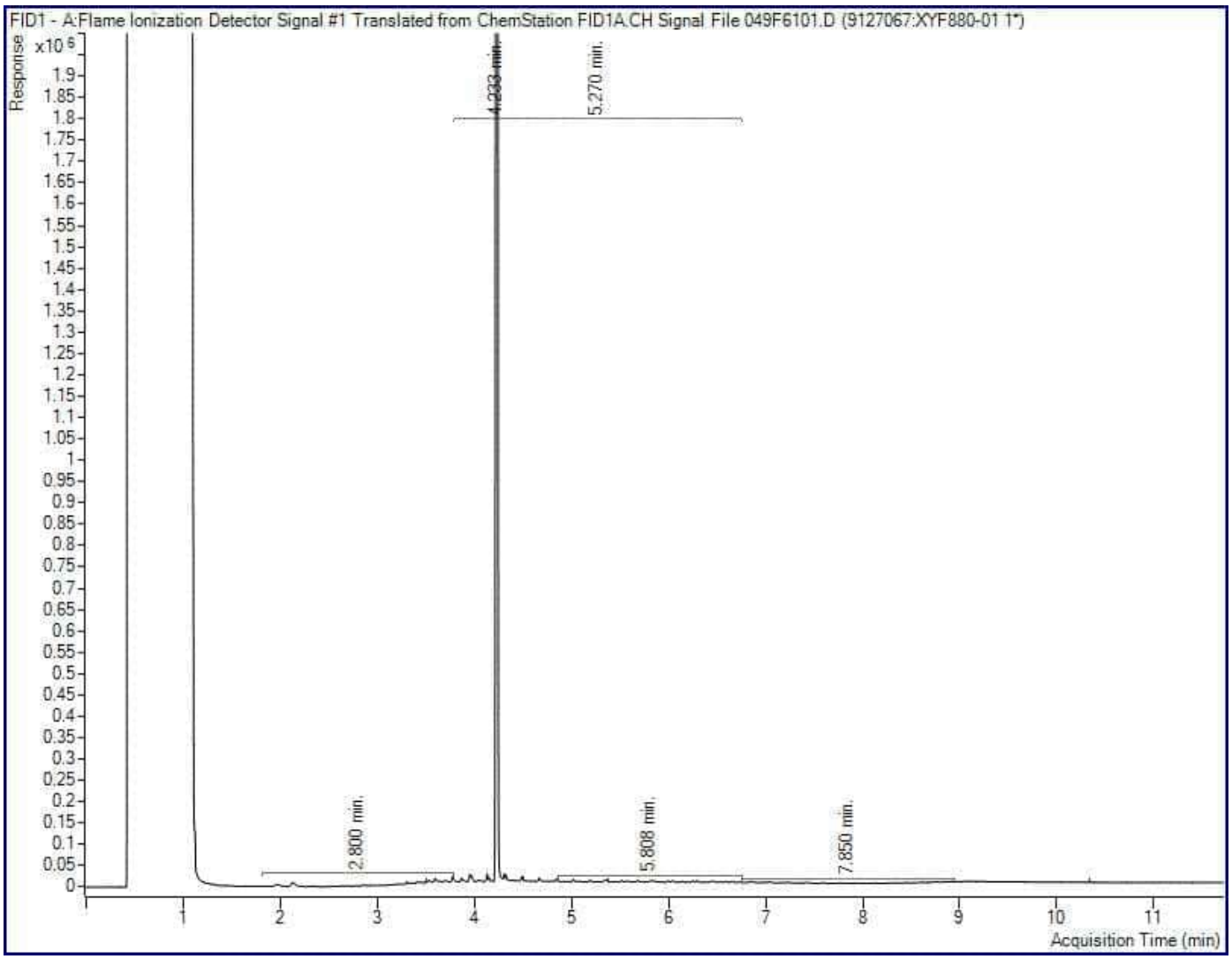


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28
Bureau Veritas Sample: XYF880

EnVision Consultants Ltd.
Client Project #: 22-0209
Project name: 6728 SIXTH LINE, MILTON
Client ID: BH23-5-4A

Petroleum Hydrocarbons F2-F4 in Soil Chromatogram



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

Bureau Veritas Job #: C3BN517
Report Date: 2023/12/28

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

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

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

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

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Methyl Mercury Results

Flett Research Ltd.
440 DeSalaberry Ave. Winnipeg, MB R2L 0Y7
Fax/Phone (204) 667-2505
E-mail: flett@flettresearch.ca Webpage: http://www.flettresearch.ca

CLIENT: Bureau Veritas - Mississauga: C3O7731
6740 Campobello Road
Mississauga, ON L5N 2L8

Date Received: August 29 and September 6, 2023
Sampling Date: August 16, 2023
Date Issued: September 11, 2023

Matrix: Sediment/Soil (wet)
Transaction ID: 1006
PO/Contract No.:
Date Analysed: September 8, 2023
Analyst(s): Jason S.

Analytical Method: M10241: Methyl Mercury in Sediment by Distillation, Aqueous Ethylation, Purge and Trap, and CVAFS - Tekran 2700 Mercury Analyser (Version 2)

Comments: Stones were excluded as best possible from subsamples taken for analysis and percent loss on drying determination.

Detection Limit: The method detection limit (MDL) for this method is 0.04 ng/dry g. The MDL is the minimum concentration that can be reported with 99% confidence that the measured concentration exceeds zero and is based on the distillation of 50 mg of dry sample and the analysis of 1mL of a 13mL distillate.

For reporting purpose samples are flagged when the dry concentration is below the methods minimum level (ML= 0.15 ng/g).
As concentration rises above the MDL confidence that the analyte is present approaches 100% at and above the ML.

Estimated Uncertainty: Overall method uncertainty is expected to decrease as analyte concentration increases. When methyl mercury concentrations exceed the 0.2 ng/g the estimated uncertainty is ±26%. Method uncertainty is expressed at a 95% confidence level of (k=2).

Results authorized by Dr. Robert J. Flett, Chief Scientist

QUALITY DATA

Blanks

	Pg of CH_3Hg in the Ethylation Blank	Mean Gross Peak Area	CH3Hg in the Ethylation Blank (ng/L) Volume of solution in EPA vial is 30mL
Ethylation blank (H_2O+Reagents)	0.21	8.32	0.007
Mean Eth. Blank (last 30 runs)	0.21		

	Net Pg CH_3Hg in the Method Blank (Eth. Blank subtracted)	Gross Peak Area	Equivalent CH_3Hg in the Method Blank (ng/g) [Eth. Blank subtracted] Uses the Mean/Weight of all the samples in the batch
Method Blank 1	0.36	22.21	0.020
Method Blank 2	0.18	15.21	0.010
Method Blank 3	0.20	16.04	0.011
Mean Method Blank			0.013

Mean Calibration Factor (area untis / pg): 39.01 ± 8.8 %RSD

Spike Recovery (Matrix Spike (MS) and Matrix Spike Duplicate (MSD))	Sample ID (Details)	Sample Type	Gross Peak Area	Weight of Distillate added to the Ethylation EPA Vial (g)	Total Weight of Distillate (g)	Weight of Sample added to the distiller (g)	Percent Weight Lost on Drying (%LOD)	Dry Weight of Reference Material	% CH_3Hg Recovery Used for Calculations	Net CH_3Hg as Hg (ng/g)	**CH_3Hg Recovery (%)**	
	WRY239 (BH22-4 HA1)	MS2	6343.88	0.50	12.82	0.415	-	-	100%	10.05	96.9	
		MS2D	6942.05	0.50	12.70	0.472	-	-	100%	9.58	102.9	%RPD=6
	Mean of Spike Recoveries										**99.9**	
QC Samples Reference Material (RM)	FRES02 (23.9 ng/g)	(beginning of run)	1024.28	0.499	12.953	0.03691	2.102	0.036	100%	18.6	77.7	
		(end of run)	1169.11	0.499	12.953	0.03691	2.102	0.036	100%	21.2	88.9	
	FRES02 (23.9 ng/g)	(beginning of run)	1166.50	0.499	12.648	0.03469	2.102	0.034	100%	22.0	92.2	
		(end of run)	1101.84	0.499	12.648	0.03469	2.102	0.034	100%	20.8	87.0	
	Mean of RM Recoveries									20.6	86.4	
Alternate Source Standard (A.S.S)	A.S.S.-Alfa ID1301 (1000 ng/L)		1222.16						100%	1037	**103.7**	

LAB ID	Sampling Details	Sample ID	Date Sampled	Time Sampled	Sample Type	Gross Peak Area	Weight of Distillate added to EPA Vial (g) =Vpd	Total Weight of the Distillate (g) = VTd	Weight of Wet Sample added to the distiller (g)	Percent Weight Lost on Drying (%LOD)	Dry Sample Weight by Calculation (g)	% CH_3Hg Recovery Used for Calculations	Net CH_3Hg as Hg in the sample (ng/g dry wt.) [Ethylation & Method Blank subtracted] [Recovery corrected] As Calculated	Net CH_3Hg as Hg in the sample (ng/g wet wt.) [Ethylation & Method Blank subtracted] [Recovery corrected] As Analyzed	
115088	WRY239	BH22-4 HA1	August 16, 2023	09:45		2593.84	0.499	12.877	0.560	15.7	0.472	99.9%	**3.62**	**3.05**	
115257	WRY240	BH22-1 HA1	August 16, 2023	10:30	**DupA1**	207.38	0.499	12.723	0.415	14.5	0.355	99.9%	**0.35**	**0.30**	
115257	WRY240	BH22-1 HA1	August 16, 2023	10:30	**DupA2**	194.89	0.499	12.682	0.407	14.5	0.348	99.9%	**0.33**	**0.28**	

* : See 'Comments' section above for discussion.

Note: Results relate only to the samples tested and as received.

Dup : Duplicate - two subsamples of the same sample carried through the analytical procedure in an identical manner.

APPENDIX D-3:

Certificates of Analysis-Groundwater

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON/ PHASE TWO ESA
Your C.O.C. #: 895188-01-01

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/09/12
Report #: R7292062
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2O9442
Received: 2022/08/31, 10:47

Sample Matrix: Water
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Dissolved Metals by ICPMS	1	N/A	2022/09/07	CAM SOP-00447	EPA 6020B m
OC Pesticides (Selected) & PCB (1)	1	2022/09/03	2022/09/04	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	1	N/A	2022/09/07	CAM SOP-00307	EPA 8081A/8082B m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON/ PHASE TWO ESA
Your C.O.C. #: 895188-01-01

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/09/12
Report #: R7292062
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2O9442
Received: 2022/08/31, 10:47

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765
==========
Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports.
For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Job #: C2O9442
Report Date: 2022/09/12

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON/ PHASE TWO ESA
Sampler Initials: MC

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID			TPI684		
Sampling Date			2022/08/31 10:15		
COC Number			895188-01-01		
	UNITS	Criteria	MW18-1	RDL	QC Batch
Metals					
Dissolved Antimony (Sb)	ug/L	6.0	<0.50	0.50	8203606
Dissolved Arsenic (As)	ug/L	25	3.0	1.0	8203606
Dissolved Barium (Ba)	ug/L	1000	45	2.0	8203606
Dissolved Beryllium (Be)	ug/L	4.0	<0.40	0.40	8203606
Dissolved Boron (B)	ug/L	5000	860	10	8203606
Dissolved Cadmium (Cd)	ug/L	2.7	<0.090	0.090	8203606
Dissolved Chromium (Cr)	ug/L	50	<5.0	5.0	8203606
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	8203606
Dissolved Copper (Cu)	ug/L	87	1.2	0.90	8203606
Dissolved Lead (Pb)	ug/L	10	<0.50	0.50	8203606
Dissolved Molybdenum (Mo)	ug/L	70	52	0.50	8203606
Dissolved Nickel (Ni)	ug/L	100	<1.0	1.0	8203606
Dissolved Selenium (Se)	ug/L	10	<2.0	2.0	8203606
Dissolved Silver (Ag)	ug/L	1.5	<0.090	0.090	8203606
Dissolved Sodium (Na)	ug/L	490000	220000	100	8203606
Dissolved Thallium (Tl)	ug/L	2.0	<0.050	0.050	8203606
Dissolved Uranium (U)	ug/L	20	1.9	0.10	8203606
Dissolved Vanadium (V)	ug/L	6.2	1.1	0.50	8203606
Dissolved Zinc (Zn)	ug/L	1100	<5.0	5.0	8203606

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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

O.REG 153 OC PESTICIDES (WATER)

Bureau Veritas ID			TPI683		
Sampling Date			2022/08/31 10:25		
COC Number			895188-01-01		
	UNITS	Criteria	BH22-1	RDL	QC Batch
Calculated Parameters					
Chlordane (Total)	ug/L	7	0.76	0.03	8198464
o,p-DDD + p,p-DDD	ug/L	-	<0.005	0.005	8198464
o,p-DDE + p,p-DDE	ug/L	-	<0.005	0.005	8198464
o,p-DDT + p,p-DDT	ug/L	-	<0.005	0.005	8198464
Total Endosulfan	ug/L	-	<0.005	0.005	8198464
Total PCB	ug/L	3.0	<0.05	0.05	8198464
Pesticides & Herbicides					
Aldrin	ug/L	0.35	<0.005	0.005	8205316
Dieldrin	ug/L	0.35	<0.005	0.005	8205316
a-Chlordane	ug/L	7.0	0.47	0.03	8205316
g-Chlordane	ug/L	7.0	0.29	0.03	8205316
o,p-DDD	ug/L	10.0	<0.005	0.005	8205316
p,p-DDD	ug/L	10.0	<0.005	0.005	8205316
o,p-DDE	ug/L	10	<0.005	0.005	8205316
p,p-DDE	ug/L	10	<0.005	0.005	8205316
o,p-DDT	ug/L	2.8	<0.005	0.005	8205316
p,p-DDT	ug/L	2.8	<0.005	0.005	8205316
Lindane	ug/L	1.2	<0.003	0.003	8205316
Endosulfan I (alpha)	ug/L	1.5	<0.005	0.005	8205316
Endosulfan II (beta)	ug/L	1.5	<0.005	0.005	8205316
Endrin	ug/L	0.48	<0.005	0.005	8205316
Heptachlor	ug/L	1.5	<0.005	0.005	8205316
Heptachlor epoxide	ug/L	0.048	0.047	0.005	8205316
Hexachlorobenzene	ug/L	1.0	<0.005	0.005	8205316
Hexachlorobutadiene	ug/L	0.44	<0.009	0.009	8205316
Hexachloroethane	ug/L	2.1	<0.01	0.01	8205316

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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O.REG 153 OC PESTICIDES (WATER)

Bureau Veritas ID			TPI683		
Sampling Date			2022/08/31 10:25		
COC Number			895188-01-01		
	UNITS	Criteria	BH22-1	RDL	QC Batch
Methoxychlor	ug/L	6.5	<0.01	0.01	8205316
Aroclor 1242	ug/L	-	<0.05	0.05	8205316
Aroclor 1248	ug/L	-	<0.05	0.05	8205316
Aroclor 1254	ug/L	-	<0.05	0.05	8205316
Aroclor 1260	ug/L	-	<0.05	0.05	8205316
Surrogate Recovery (%)					
2,4,5,6-Tetrachloro-m-xylene	%	-	70		8205316
Decachlorobiphenyl	%	-	115		8205316

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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Bureau Veritas Job #: C2O9442
Report Date: 2022/09/12

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON, ON/ PHASE TWO ESA
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: TPI683
Sample ID: BH22-1
Matrix: Water

Collected: 2022/08/31
Shipped:
Received: 2022/08/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
OC Pesticides (Selected) & PCB	GC/ECD	8205316	2022/09/03	2022/09/04	Joy Zhang
OC Pesticides Summed Parameters	CALC	8198464	N/A	2022/09/07	Automated Statchk

Bureau Veritas ID: TPI684
Sample ID: MW18-1
Matrix: Water

Collected: 2022/08/31
Shipped:
Received: 2022/08/31

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	8203606	N/A	2022/09/07	Nan Raykha

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GENERAL COMMENTS

Sample TPI683 [BH22-1] : OC Pesticide Analysis: Due to high concentrations of the target analytes, sample required dilution. Detection limits were adjusted accordingly.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8205316	2,4,5,6-Tetrachloro-m-xylene	2022/09/04	57	50 - 130	62	50 - 130	62	%		
8205316	Decachlorobiphenyl	2022/09/04	97	50 - 130	97	50 - 130	98	%		
8203606	Dissolved Antimony (Sb)	2022/09/07	109	80 - 120	105	80 - 120	<0.50	ug/L	NC	20
8203606	Dissolved Arsenic (As)	2022/09/07	100	80 - 120	97	80 - 120	<1.0	ug/L	3.0	20
8203606	Dissolved Barium (Ba)	2022/09/07	105	80 - 120	102	80 - 120	<2.0	ug/L	0.62	20
8203606	Dissolved Beryllium (Be)	2022/09/07	104	80 - 120	100	80 - 120	<0.40	ug/L	NC	20
8203606	Dissolved Boron (B)	2022/09/07	NC	80 - 120	99	80 - 120	<10	ug/L	3.5	20
8203606	Dissolved Cadmium (Cd)	2022/09/07	103	80 - 120	102	80 - 120	<0.090	ug/L	NC	20
8203606	Dissolved Chromium (Cr)	2022/09/07	99	80 - 120	98	80 - 120	<5.0	ug/L	NC	20
8203606	Dissolved Cobalt (Co)	2022/09/07	98	80 - 120	97	80 - 120	<0.50	ug/L	NC	20
8203606	Dissolved Copper (Cu)	2022/09/07	106	80 - 120	104	80 - 120	<0.90	ug/L	2.2	20
8203606	Dissolved Lead (Pb)	2022/09/07	95	80 - 120	96	80 - 120	<0.50	ug/L	NC	20
8203606	Dissolved Molybdenum (Mo)	2022/09/07	110	80 - 120	107	80 - 120	<0.50	ug/L	0.86	20
8203606	Dissolved Nickel (Ni)	2022/09/07	96	80 - 120	94	80 - 120	<1.0	ug/L	1.8	20
8203606	Dissolved Selenium (Se)	2022/09/07	98	80 - 120	96	80 - 120	<2.0	ug/L	NC	20
8203606	Dissolved Silver (Ag)	2022/09/07	98	80 - 120	105	80 - 120	<0.090	ug/L	NC	20
8203606	Dissolved Sodium (Na)	2022/09/07	NC	80 - 120	101	80 - 120	<100	ug/L	2.7	20
8203606	Dissolved Thallium (Tl)	2022/09/07	98	80 - 120	99	80 - 120	<0.050	ug/L	NC	20
8203606	Dissolved Uranium (U)	2022/09/07	98	80 - 120	100	80 - 120	<0.10	ug/L	2.1	20
8203606	Dissolved Vanadium (V)	2022/09/07	104	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
8203606	Dissolved Zinc (Zn)	2022/09/07	97	80 - 120	96	80 - 120	<5.0	ug/L	NC	20
8205316	a-Chlordane	2022/09/04	101	50 - 130	102	50 - 130	<0.005	ug/L	NC	30
8205316	Aldrin	2022/09/04	89	50 - 130	85	50 - 130	<0.005	ug/L	NC	30
8205316	Aroclor 1242	2022/09/04					<0.05	ug/L	NC	30
8205316	Aroclor 1248	2022/09/04					<0.05	ug/L	NC	30
8205316	Aroclor 1254	2022/09/04					<0.05	ug/L	NC	30
8205316	Aroclor 1260	2022/09/04					<0.05	ug/L	NC	30
8205316	Dieldrin	2022/09/04	113	50 - 130	117	50 - 130	<0.005	ug/L	NC	30
8205316	Endosulfan I (alpha)	2022/09/04	96	50 - 130	100	50 - 130	<0.005	ug/L	NC	30
8205316	Endosulfan II (beta)	2022/09/04	91	50 - 130	99	50 - 130	<0.005	ug/L	NC	30
8205316	Endrin	2022/09/04	105	50 - 130	107	50 - 130	<0.005	ug/L	NC	30

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			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8205316	g-Chlordane	2022/09/04	103	50 - 130	101	50 - 130	<0.005	ug/L	NC	30
8205316	Heptachlor epoxide	2022/09/04	102	50 - 130	104	50 - 130	<0.005	ug/L	NC	30
8205316	Heptachlor	2022/09/04	83	50 - 130	85	50 - 130	<0.005	ug/L	NC	30
8205316	Hexachlorobenzene	2022/09/04	83	50 - 130	85	50 - 130	<0.005	ug/L	NC	30
8205316	Hexachlorobutadiene	2022/09/04	77	50 - 130	73	50 - 130	<0.009	ug/L	NC	30
8205316	Hexachloroethane	2022/09/04	65	50 - 130	64	50 - 130	<0.01	ug/L	NC	30
8205316	Lindane	2022/09/04	109	50 - 130	102	50 - 130	<0.003	ug/L	NC	30
8205316	Methoxychlor	2022/09/04	99	50 - 130	102	50 - 130	<0.01	ug/L	NC	30
8205316	o,p-DDD	2022/09/04	125	50 - 130	126	50 - 130	<0.005	ug/L	NC	30
8205316	o,p-DDE	2022/09/04	93	50 - 130	94	50 - 130	<0.005	ug/L	NC	30
8205316	o,p-DDT	2022/09/04	103	50 - 130	109	50 - 130	<0.005	ug/L	NC	30
8205316	p,p-DDD	2022/09/04	119	50 - 130	123	50 - 130	<0.005	ug/L	NC	30
8205316	p,p-DDE	2022/09/04	116	50 - 130	112	50 - 130	<0.005	ug/L	NC	30
8205316	p,p-DDT	2022/09/04	91	50 - 130	94	50 - 130	<0.005	ug/L	NC	30

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

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

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

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

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

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

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

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VALIDATION SIGNATURE PAGE

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

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist

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

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Bureau Veritas
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CHAI

31-Aug-22 10:47
Ashton Gibson
C209442

Page of

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:		Quotation #:	C20578
Attention:	Accounts Payable	Attention:	Maryanne Caluori	P.O. #:	22-0209
Address:	40-6415 Northwest Drive Mississauga ON L4V 1X1	Address:	437 219 7301	Project:	Phase Two ESA
Tel:	(905) 659-9456 Fax:	Tel:	Fax:	Project Name:	6728 Sixth Line
Email:	payables@envisionconsultants.ca; jhoyles@envisionco	Email:	mcaluori@envisionconsultants.ca slundrigan@envisionconsultants.ca	Site #:	Milton, ON
				Sampled By:	MC

AN4 ENV-1636

COC #: C#895188-01-01

Order #: 5188

Project Manager: Ashton Gibson

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

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

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O.Reg 153 OC Pesticides (Water)	O.Reg 153 Metals & Inorganics Pkg (Wtr)	# of Bottles	Comments
1	BH22-1		22108131	10:25	GW		X		1	
2	MW18-1		22108131	10:15	GW	Y		X	1	
3										
4										
5										
6										
7										
8										
9										
10										

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
MCaluori	22108131			22/08/31	1047	

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
	17/17/20	Intact		

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

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

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

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

White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Exceedance Summary Table – Reg153/04 T2-GW-C

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

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

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

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Your C.O.C. #: n/a

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/09/21
Report #: R7307081
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2Q4946
Received: 2022/09/14, 14:51

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Dissolved Metals by ICPMS	1	N/A	2022/09/16	CAM SOP-00447	EPA 6020B m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Job #: C2Q4946
Report Date: 2022/09/21

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: MC

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID		TSS892		
Sampling Date		2022/09/14 14:35		
COC Number		n/a		
	UNITS	MW18-1	RDL	QC Batch
Metals				
Dissolved Antimony (Sb)	ug/L	0.70	0.50	8225954
Dissolved Arsenic (As)	ug/L	4.3	1.0	8225954
Dissolved Barium (Ba)	ug/L	87	2.0	8225954
Dissolved Beryllium (Be)	ug/L	0.48	0.40	8225954
Dissolved Boron (B)	ug/L	800	10	8225954
Dissolved Cadmium (Cd)	ug/L	0.12	0.090	8225954
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	8225954
Dissolved Cobalt (Co)	ug/L	1.4	0.50	8225954
Dissolved Copper (Cu)	ug/L	8.2	0.90	8225954
Dissolved Lead (Pb)	ug/L	12	0.50	8225954
Dissolved Molybdenum (Mo)	ug/L	59	0.50	8225954
Dissolved Nickel (Ni)	ug/L	2.8	1.0	8225954
Dissolved Selenium (Se)	ug/L	<2.0	2.0	8225954
Dissolved Silver (Ag)	ug/L	<0.090	0.090	8225954
Dissolved Sodium (Na)	ug/L	180000	100	8225954
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	8225954
Dissolved Uranium (U)	ug/L	2.2	0.10	8225954
Dissolved Vanadium (V)	ug/L	3.6	0.50	8225954
Dissolved Zinc (Zn)	ug/L	21	5.0	8225954

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C2Q4946
Report Date: 2022/09/21

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: TSS892
Sample ID: MW18-1
Matrix: Water

Collected: 2022/09/14
Shipped:
Received: 2022/09/14

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	8225954	N/A	2022/09/16	Nan Raykha

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GENERAL COMMENTS

Results relate only to the items tested.

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Bureau Veritas Job #: C2Q4946
Report Date: 2022/09/21

QUALITY ASSURANCE REPORT

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8225954	Dissolved Antimony (Sb)	2022/09/16	103	80 - 120	99	80 - 120	<0.50	ug/L		
8225954	Dissolved Arsenic (As)	2022/09/16	94	80 - 120	94	80 - 120	<1.0	ug/L	NC	20
8225954	Dissolved Barium (Ba)	2022/09/16	94	80 - 120	97	80 - 120	<2.0	ug/L	1.2	20
8225954	Dissolved Beryllium (Be)	2022/09/16	98	80 - 120	102	80 - 120	<0.40	ug/L		
8225954	Dissolved Boron (B)	2022/09/16	98	80 - 120	99	80 - 120	<10	ug/L	0.54	20
8225954	Dissolved Cadmium (Cd)	2022/09/16	98	80 - 120	95	80 - 120	<0.090	ug/L	NC	20
8225954	Dissolved Chromium (Cr)	2022/09/16	93	80 - 120	93	80 - 120	<5.0	ug/L	NC	20
8225954	Dissolved Cobalt (Co)	2022/09/16	92	80 - 120	93	80 - 120	<0.50	ug/L		
8225954	Dissolved Copper (Cu)	2022/09/16	96	80 - 120	95	80 - 120	<0.90	ug/L	0.18	20
8225954	Dissolved Lead (Pb)	2022/09/16	91	80 - 120	94	80 - 120	<0.50	ug/L	NC	20
8225954	Dissolved Molybdenum (Mo)	2022/09/16	101	80 - 120	97	80 - 120	<0.50	ug/L		
8225954	Dissolved Nickel (Ni)	2022/09/16	89	80 - 120	91	80 - 120	<1.0	ug/L	0.80	20
8225954	Dissolved Selenium (Se)	2022/09/16	92	80 - 120	92	80 - 120	<2.0	ug/L	NC	20
8225954	Dissolved Silver (Ag)	2022/09/16	92	80 - 120	95	80 - 120	<0.090	ug/L	NC	20
8225954	Dissolved Sodium (Na)	2022/09/16	NC	80 - 120	92	80 - 120	<100	ug/L	0.14	20
8225954	Dissolved Thallium (Tl)	2022/09/16	95	80 - 120	96	80 - 120	<0.050	ug/L		
8225954	Dissolved Uranium (U)	2022/09/16	92	80 - 120	93	80 - 120	<0.10	ug/L		
8225954	Dissolved Vanadium (V)	2022/09/16	94	80 - 120	94	80 - 120	<0.50	ug/L	NC	20
8225954	Dissolved Zinc (Zn)	2022/09/16	92	80 - 120	92	80 - 120	<5.0	ug/L	NC	20

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

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

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

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

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

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

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Bureau Veritas Job #: C2Q4946
Report Date: 2022/09/21

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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

CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

14-Sep-22 14:51
Ashton Gibson
C2Q4946

IDK ENV 1332

Invoice Information	Invoice to (requires report) ☐	Report Information (if differs from invoice)		Project Information	
Company:	#37360 Envision consultants Ltd.	Company:		Quotation #:	
Contact Name:	accounts payable	Contact Name:	Maryanne Caluori	P.O. #/ AFE#:	
Street Address:	40-6415 Northwest Drive	Street Address:		Project #:	22-0209
City:	Miss. Prov: ON Postal Code: L4V 1X1	City:	Prov: Postal Code:	Site #:	
Phone:	905 659 9456	Phone:	mcaluori@envision consultants ca	Site Location:	6728 Sixth Line, Milton
Email:	jhoyles@envisionconsultants.ca	Email:	slundrigan@envisionconsultants.ca	Site Location Province:	ON
Copies:		Copies:		Sampled By:	MC

Regulatory Criteria

REG 153: ☐ Table 1 ☐ Table 2 ☐ Table 3 ☐ Table ____ | ☐ Res/Park ☒ Ind/Comm ☐ Agri/other | ☐ Med/Fine ☐ Course ☒ For RSC

OTHER: ☐ CCME ☐ Reg 558* ☐ *min 3 day TAT ☐ MISA ☐ PWQO | ☐ Reg 406, Table: ____ ☐ Sanitary Sewer Bylaw ☐ Storm Sewer Bylaw Municipality ____ ☐ Other: ____

Include Criteria on Certificate of Analysis (check if yes): ☐

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

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE
1	MW18-1	22	09	14	14	35	GW	X							X													1	
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

Regular Turnaround Time (TAT)

☒ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply

☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YY MM DD

Comments

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

LAB USE ONLY	Yes	No	°C				Temperature reading by:
Seal present		✓					
Seal intact		✓					
Cooling media present			1	2	3		
			18	18	18		

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Special instructions
1 MCaluori	22	09	14			1						
2						2						

Your Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Your C.O.C. #: n/a

Attention: Nicholas Burnett

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/02
Report #: R7413889
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2Y8674
Received: 2022/11/28, 13:52

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Dissolved Metals by ICPMS	1	N/A	2022/11/30	CAM SOP-00447	EPA 6020B m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Your C.O.C. #: n/a

Attention: Nicholas Burnett

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/12/02
Report #: R7413889
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2Y8674
Received: 2022/11/28, 13:52

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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Bureau Veritas Job #: C2Y8674
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID			UKT385		
Sampling Date			2022/11/28		
COC Number			n/a		
	UNITS	Criteria	MW18-1	RDL	QC Batch
Metals					
Dissolved Antimony (Sb)	ug/L	6.0	0.57	0.50	8375156
Dissolved Arsenic (As)	ug/L	25	3.3	1.0	8375156
Dissolved Barium (Ba)	ug/L	1000	43	2.0	8375156
Dissolved Beryllium (Be)	ug/L	4.0	<0.40	0.40	8375156
Dissolved Boron (B)	ug/L	5000	920	10	8375156
Dissolved Cadmium (Cd)	ug/L	2.7	<0.090	0.090	8375156
Dissolved Chromium (Cr)	ug/L	50	<5.0	5.0	8375156
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	8375156
Dissolved Copper (Cu)	ug/L	87	<0.90	0.90	8375156
Dissolved Lead (Pb)	ug/L	10	<0.50	0.50	8375156
Dissolved Molybdenum (Mo)	ug/L	70	**82**	0.50	8375156
Dissolved Nickel (Ni)	ug/L	100	<1.0	1.0	8375156
Dissolved Selenium (Se)	ug/L	10	<2.0	2.0	8375156
Dissolved Silver (Ag)	ug/L	1.5	<0.090	0.090	8375156
Dissolved Sodium (Na)	ug/L	490000	180000	100	8375156
Dissolved Thallium (Tl)	ug/L	2.0	<0.050	0.050	8375156
Dissolved Uranium (U)	ug/L	20	2.5	0.10	8375156
Dissolved Vanadium (V)	ug/L	6.2	0.83	0.50	8375156
Dissolved Zinc (Zn)	ug/L	1100	<5.0	5.0	8375156

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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Bureau Veritas Job #: C2Y8674
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

TEST SUMMARY

Bureau Veritas ID: UKT385
Sample ID: MW18-1
Matrix: Water

Collected: 2022/11/28
Shipped:
Received: 2022/11/28

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	8375156	N/A	2022/11/30	Nan Raykha

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

GENERAL COMMENTS

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8375156	Dissolved Antimony (Sb)	2022/11/30	105	80 - 120	103	80 - 120	<0.50	ug/L	NC	20
8375156	Dissolved Arsenic (As)	2022/11/30	102	80 - 120	99	80 - 120	<1.0	ug/L	NC	20
8375156	Dissolved Barium (Ba)	2022/11/30	100	80 - 120	99	80 - 120	<2.0	ug/L	0.24	20
8375156	Dissolved Beryllium (Be)	2022/11/30	104	80 - 120	102	80 - 120	<0.40	ug/L	NC	20
8375156	Dissolved Boron (B)	2022/11/30	98	80 - 120	100	80 - 120	<10	ug/L	NC	20
8375156	Dissolved Cadmium (Cd)	2022/11/30	101	80 - 120	98	80 - 120	<0.090	ug/L	NC	20
8375156	Dissolved Chromium (Cr)	2022/11/30	96	80 - 120	96	80 - 120	<5.0	ug/L	NC	20
8375156	Dissolved Cobalt (Co)	2022/11/30	100	80 - 120	97	80 - 120	<0.50	ug/L	NC	20
8375156	Dissolved Copper (Cu)	2022/11/30	97	80 - 120	97	80 - 120	<0.90	ug/L	3.8	20
8375156	Dissolved Lead (Pb)	2022/11/30	99	80 - 120	97	80 - 120	<0.50	ug/L	NC	20
8375156	Dissolved Molybdenum (Mo)	2022/11/30	103	80 - 120	101	80 - 120	<0.50	ug/L	NC	20
8375156	Dissolved Nickel (Ni)	2022/11/30	96	80 - 120	95	80 - 120	<1.0	ug/L	NC	20
8375156	Dissolved Selenium (Se)	2022/11/30	102	80 - 120	99	80 - 120	<2.0	ug/L	NC	20
8375156	Dissolved Silver (Ag)	2022/11/30	103	80 - 120	100	80 - 120	<0.090	ug/L	NC	20
8375156	Dissolved Sodium (Na)	2022/11/30	95	80 - 120	93	80 - 120	<100	ug/L	1.2	20
8375156	Dissolved Thallium (Tl)	2022/11/30	101	80 - 120	98	80 - 120	<0.050	ug/L	NC	20
8375156	Dissolved Uranium (U)	2022/11/30	99	80 - 120	96	80 - 120	<0.10	ug/L	NC	20
8375156	Dissolved Vanadium (V)	2022/11/30	97	80 - 120	95	80 - 120	<0.50	ug/L	NC	20
8375156	Dissolved Zinc (Zn)	2022/11/30	99	80 - 120	97	80 - 120	<5.0	ug/L	NC	20

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

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

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

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

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

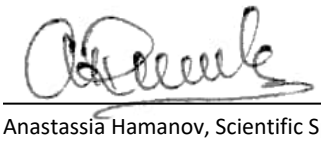
Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Bureau Veritas Job #: C2Y8674
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

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www.BVNA.com

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

CHAIN OF CUSTODY RECORD

ENV COC - 00014v3

Invoice Information		Report Information (if differs from invoice)		Project Information	
Invoice to (requires report) ☐					LAB USE ONLY - PLACE STICKER HERE
Company :	EnVision Consultants Ltd.	Company:		Quotation #:	
Contact Name:	Accounts Payable	Contact Name:		P.O. #/ AFE#:	
Street Address:	40-6415 Northwest Drive	Street Address:		Project #:	22-0209
City: Mississauga Prov: ON Postal Code: L4V 1X1		City: Prov: Postal Code:		Site #:	
Phone:	905-659-9456	Phone:		Site Location:	Sixth Line, ~~Milton~~ Milton
Email:	payables@envisionconsultants.ca	Email:	nburnett@envisionconsultants.ca	Site Location Province:	Rush Confirmation #:
Copies:		Copies:	slundrigan@envisionconsultants.ca	Sampled By:	NB

Regulatory Criteria

REG 153: ☐ Table 1 ☑ Table 2 ☐ Table 3 ☐ Table _____ ☑ Res/Park ☑ Ind/Comm ☐ Agri/other ☐ Med/Fine ☐ Course ☐ For RSC

OTHER: ☐ CCME ☐ Reg 558* *min 3 day TAT ☐ MISA ☐ PWQO ☐ Reg 406, Table: _____ ☐ Sanitary Sewer Bylaw ☐ Storm Sewer Bylaw Municipality _____ ☐ Other: _____

Include Criteria on Certificate of Analysis (check if yes): ☑

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

Regular Turnaround Time (TAT)

☑ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply

☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YY MM DD

Comments

	Sample Identification	Date Sampled YY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE
1	MW8-1	22	11	28			water	X							X													1	
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

28-Nov-22 13:52
Ashton Gibson
C2Y8674
KTN ENV-1655

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present		✓				
Seal intact		✓				
Cooling media present	✓			9	9	9

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3	Temperature reading by:
Seal present							
Seal intact							
Cooling media present							

	Relinquished by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YY	MM	DD	Time HH	MM	Special instructions
1	Nich Burnett NB	22	11	28			1		11	28	13	52	
2							2						

Bureau Veritas Job #: C2Y8674
Report Date: 2022/12/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON
Sampler Initials: NB

Exceedance Summary Table – Reg153/04 T2-GW-C

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
MW18-1	UKT385-01	Dissolved Molybdenum (Mo)	70	82	0.50	ug/L

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

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Your Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Your C.O.C. #: 878051-05-01

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/04
Report #: R7239836
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2K9855
Received: 2022/07/26, 17:25

Sample Matrix: Water
Samples Received: 7

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum	1	N/A	2022/07/29		EPA 8260C m
1,3-Dichloropropene Sum	6	N/A	2022/08/02		EPA 8260C m
Chloride by Automated Colourimetry	6	N/A	2022/07/29	CAM SOP-00463	SM 23 4500-Cl E m
Chromium (VI) in Water	6	N/A	2022/07/28	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide	6	N/A	2022/07/28	CAM SOP-00457	OMOE E3015 m
Petroleum Hydrocarbons F2-F4 in Water (1)	6	2022/07/29	2022/07/29	CAM SOP-00316	CCME PHC-CWS m
Mercury	6	2022/07/28	2022/07/28	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS	6	N/A	2022/07/29	CAM SOP-00447	EPA 6020B m
OC Pesticides (Selected) & PCB (2)	3	2022/07/31	2022/08/02	CAM SOP-00307	EPA 8081A/8082B m
OC Pesticides Summed Parameters	3	N/A	2022/07/28	CAM SOP-00307	EPA 8081A/8082B m
Volatile Organic Compounds and F1 PHCs	6	N/A	2022/07/29	CAM SOP-00230	EPA 8260C m
Volatile Organic Compounds in Water	1	N/A	2022/07/28	CAM SOP-00228	EPA 8260C m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Your Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Your C.O.C. #: 878051-05-01

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/04
Report #: R7239836
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2K9855

Received: 2022/07/26, 17:25

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

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

(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following "Alberta Environment's Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003". Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

(2) Chlordane (Total) = Alpha Chlordane + Gamma Chlordane

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID			TGX708		TGX709	TGX710		TGX711		
Sampling Date			2022/07/26 08:30		2022/07/26 08:45	2022/07/26 08:45		2022/07/26 14:20		
COC Number			878051-05-01		878051-05-01	878051-05-01		878051-05-01		
	UNITS	Criteria	BH22-3	RDL	MW18-1	GW22-1	RDL	MW18-4	RDL	QC Batch
Inorganics										
WAD Cyanide (Free)	ug/L	66	<1	1	<1	<1	1	<1	1	8135286
Dissolved Chloride (Cl-)	mg/L	790	46	1.0	150	150	2.0	58	1.0	8136801
Metals										
Chromium (VI)	ug/L	25	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	8135532
Mercury (Hg)	ug/L	0.29	<0.10	0.10	<0.10	<0.10	0.10	<0.10	0.10	8135868
Dissolved Antimony (Sb)	ug/L	6.0	<0.50	0.50	0.69	0.66	0.50	<0.50	0.50	8136838
Dissolved Arsenic (As)	ug/L	25	1.6	1.0	1.3	1.2	1.0	<1.0	1.0	8136838
Dissolved Barium (Ba)	ug/L	1000	270	2.0	35	36	2.0	41	2.0	8136838
Dissolved Beryllium (Be)	ug/L	4.0	<0.40	0.40	<0.40	<0.40	0.40	<0.40	0.40	8136838
Dissolved Boron (B)	ug/L	5000	62	10	710	730	10	57	10	8136838
Dissolved Cadmium (Cd)	ug/L	2.7	<0.090	0.090	<0.090	<0.090	0.090	<0.090	0.090	8136838
Dissolved Chromium (Cr)	ug/L	50	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	8136838
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	8136838
Dissolved Copper (Cu)	ug/L	87	3.8	0.90	<0.90	<0.90	0.90	1.2	0.90	8136838
Dissolved Lead (Pb)	ug/L	10	<0.50	0.50	<0.50	<0.50	0.50	<0.50	0.50	8136838
Dissolved Molybdenum (Mo)	ug/L	70	5.2	0.50	**97**	**100**	0.50	1.1	0.50	8136838
Dissolved Nickel (Ni)	ug/L	100	1.6	1.0	2.1	2.2	1.0	1.4	1.0	8136838
Dissolved Selenium (Se)	ug/L	10	<2.0	2.0	<2.0	<2.0	2.0	<2.0	2.0	8136838
Dissolved Silver (Ag)	ug/L	1.5	<0.090	0.090	<0.090	<0.090	0.090	<0.090	0.090	8136838
Dissolved Sodium (Na)	ug/L	490000	24000	100	170000	180000	100	27000	100	8136838
Dissolved Thallium (Tl)	ug/L	2.0	<0.050	0.050	<0.050	<0.050	0.050	<0.050	0.050	8136838
Dissolved Uranium (U)	ug/L	20	4.7	0.10	1.5	1.5	0.10	4.5	0.10	8136838
Dissolved Vanadium (V)	ug/L	6.2	1.1	0.50	1.7	1.8	0.50	<0.50	0.50	8136838
Dissolved Zinc (Zn)	ug/L	1100	<5.0	5.0	<5.0	<5.0	5.0	<5.0	5.0	8136838

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID			TGX712			TGX712			TGX713		
Sampling Date			2022/07/26 14:20			2022/07/26 14:20			2022/07/26 14:55		
COC Number			878051-05-01			878051-05-01			878051-05-01		
	UNITS	Criteria	GW22-2	RDL	QC Batch	GW22-2 Lab-Dup	RDL	QC Batch	MW18-5	RDL	QC Batch
Inorganics											
WAD Cyanide (Free)	ug/L	66	<1	1	8135286				<1	1	8135286
Dissolved Chloride (Cl-)	mg/L	790	57	1.0	8136801				100	1.0	8136801
Metals											
Chromium (VI)	ug/L	25	<0.50	0.50	8135532				<0.50	0.50	8135532
Mercury (Hg)	ug/L	0.29	<0.10	0.10	8135868				<0.10	0.10	8135868
Dissolved Antimony (Sb)	ug/L	6.0	<0.50	0.50	8136838	<0.50	0.50	8136838	<0.50	0.50	8136838
Dissolved Arsenic (As)	ug/L	25	<1.0	1.0	8136838	<1.0	1.0	8136838	<1.0	1.0	8136838
Dissolved Barium (Ba)	ug/L	1000	43	2.0	8136838	42	2.0	8136838	58	2.0	8136838
Dissolved Beryllium (Be)	ug/L	4.0	<0.40	0.40	8136838	<0.40	0.40	8136838	<0.40	0.40	8136838
Dissolved Boron (B)	ug/L	5000	54	10	8136838	53	10	8136838	170	10	8136838
Dissolved Cadmium (Cd)	ug/L	2.7	<0.090	0.090	8136838	<0.090	0.090	8136838	<0.090	0.090	8136838
Dissolved Chromium (Cr)	ug/L	50	<5.0	5.0	8136838	<5.0	5.0	8136838	<5.0	5.0	8136838
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	8136838	<0.50	0.50	8136838	<0.50	0.50	8136838
Dissolved Copper (Cu)	ug/L	87	1.3	0.90	8136838	1.2	0.90	8136838	4.4	0.90	8136838
Dissolved Lead (Pb)	ug/L	10	<0.50	0.50	8136838	<0.50	0.50	8136838	<0.50	0.50	8136838
Dissolved Molybdenum (Mo)	ug/L	70	1.0	0.50	8136838	1.0	0.50	8136838	3.1	0.50	8136838
Dissolved Nickel (Ni)	ug/L	100	1.3	1.0	8136838	1.4	1.0	8136838	1.6	1.0	8136838
Dissolved Selenium (Se)	ug/L	10	<2.0	2.0	8136838	<2.0	2.0	8136838	<2.0	2.0	8136838
Dissolved Silver (Ag)	ug/L	1.5	<0.090	0.090	8136838	<0.090	0.090	8136838	<0.090	0.090	8136838
Dissolved Sodium (Na)	ug/L	490000	27000	100	8136838	27000	100	8136838	59000	100	8136838
Dissolved Thallium (Tl)	ug/L	2.0	<0.050	0.050	8136838	<0.050	0.050	8136838	<0.050	0.050	8136838
Dissolved Uranium (U)	ug/L	20	4.6	0.10	8136838	4.5	0.10	8136838	1.3	0.10	8136838
Dissolved Vanadium (V)	ug/L	6.2	<0.50	0.50	8136838	<0.50	0.50	8136838	<0.50	0.50	8136838
Dissolved Zinc (Zn)	ug/L	1100	<5.0	5.0	8136838	<5.0	5.0	8136838	<5.0	5.0	8136838

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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

O.REG 153 OC PESTICIDES (WATER)

Bureau Veritas ID			TGX711	TGX712	TGX713		
Sampling Date			2022/07/26 14:20	2022/07/26 14:20	2022/07/26 14:55		
COC Number			878051-05-01	878051-05-01	878051-05-01		
	UNITS	Criteria	MW18-4	GW22-2	MW18-5	RDL	QC Batch
Calculated Parameters							
Chlordane (Total)	ug/L	7	<0.005	<0.005	<0.005	0.005	8133750
o,p-DDD + p,p-DDD	ug/L	-	<0.005	<0.005	<0.005	0.005	8133750
o,p-DDE + p,p-DDE	ug/L	-	<0.005	<0.005	<0.005	0.005	8133750
o,p-DDT + p,p-DDT	ug/L	-	<0.005	<0.005	<0.005	0.005	8133750
Total Endosulfan	ug/L	-	<0.005	<0.005	<0.005	0.005	8133750
Total PCB	ug/L	3.0	<0.05	<0.05	<0.05	0.05	8133750
Pesticides & Herbicides							
Aldrin	ug/L	0.35	<0.005	<0.005	<0.005	0.005	8140944
Dieldrin	ug/L	0.35	<0.005	<0.005	<0.005	0.005	8140944
a-Chlordane	ug/L	7.0	<0.005	<0.005	<0.005	0.005	8140944
g-Chlordane	ug/L	7.0	<0.005	<0.005	<0.005	0.005	8140944
o,p-DDD	ug/L	10.0	<0.005	<0.005	<0.005	0.005	8140944
p,p-DDD	ug/L	10.0	<0.005	<0.005	<0.005	0.005	8140944
o,p-DDE	ug/L	10	<0.005	<0.005	<0.005	0.005	8140944
p,p-DDE	ug/L	10	<0.005	<0.005	<0.005	0.005	8140944
o,p-DDT	ug/L	2.8	<0.005	<0.005	<0.005	0.005	8140944
p,p-DDT	ug/L	2.8	<0.005	<0.005	<0.005	0.005	8140944
Lindane	ug/L	1.2	<0.003	<0.003	<0.003	0.003	8140944
Endosulfan I (alpha)	ug/L	1.5	<0.005	<0.005	<0.005	0.005	8140944
Endosulfan II (beta)	ug/L	1.5	<0.005	<0.005	<0.005	0.005	8140944
Endrin	ug/L	0.48	<0.005	<0.005	<0.005	0.005	8140944
Heptachlor	ug/L	1.5	<0.005	<0.005	<0.005	0.005	8140944
Heptachlor epoxide	ug/L	0.048	<0.005	<0.005	<0.005	0.005	8140944
Hexachlorobenzene	ug/L	1.0	<0.005	<0.005	<0.005	0.005	8140944
Hexachlorobutadiene	ug/L	0.44	<0.009	<0.009	<0.009	0.009	8140944
Hexachloroethane	ug/L	2.1	<0.01	<0.01	<0.01	0.01	8140944
Methoxychlor	ug/L	6.5	<0.01	<0.01	<0.01	0.01	8140944
Aroclor 1242	ug/L	-	<0.05	<0.05	<0.05	0.05	8140944

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

O.REG 153 OC PESTICIDES (WATER)

Bureau Veritas ID			TGX711	TGX712	TGX713		
Sampling Date			2022/07/26 14:20	2022/07/26 14:20	2022/07/26 14:55		
COC Number			878051-05-01	878051-05-01	878051-05-01		
	UNITS	Criteria	MW18-4	GW22-2	MW18-5	RDL	QC Batch
Aroclor 1248	ug/L	-	<0.05	<0.05	<0.05	0.05	8140944
Aroclor 1254	ug/L	-	<0.05	<0.05	<0.05	0.05	8140944
Aroclor 1260	ug/L	-	<0.05	<0.05	<0.05	0.05	8140944
Surrogate Recovery (%)							
2,4,5,6-Tetrachloro-m-xylene	%	-	69	73	67		8140944
Decachlorobiphenyl	%	-	109	118	98		8140944

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TGX708			TGX708			TGX709		
Sampling Date			2022/07/26 08:30			2022/07/26 08:30			2022/07/26 08:45		
COC Number			878051-05-01			878051-05-01			878051-05-01		
	UNITS	Criteria	BH22-3	RDL	QC Batch	BH22-3 Lab-Dup	RDL	QC Batch	MW18-1	RDL	QC Batch
Calculated Parameters											
1,3-Dichloropropene (cis+trans)	ug/L	0.5	<0.50	0.50	8135028				<0.50	0.50	8135028
Volatile Organics											
Acetone (2-Propanone)	ug/L	2700	<10	10	8135846	<10	10	8135846	<10	10	8135846
Benzene	ug/L	5.0	<0.17	0.17	8135846	<0.17	0.17	8135846	<0.17	0.17	8135846
Bromodichloromethane	ug/L	16.0	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
Bromoform	ug/L	25.0	<1.0	1.0	8135846	<1.0	1.0	8135846	<1.0	1.0	8135846
Bromomethane	ug/L	0.89	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
Carbon Tetrachloride	ug/L	0.79	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Chlorobenzene	ug/L	30	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Chloroform	ug/L	2.4	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Dibromochloromethane	ug/L	25.0	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
1,2-Dichlorobenzene	ug/L	3.0	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
1,3-Dichlorobenzene	ug/L	59	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
1,4-Dichlorobenzene	ug/L	1.0	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
Dichlorodifluoromethane (FREON 12)	ug/L	590	<1.0	1.0	8135846	<1.0	1.0	8135846	<1.0	1.0	8135846
1,1-Dichloroethane	ug/L	5	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
1,2-Dichloroethane	ug/L	1.6	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
1,1-Dichloroethylene	ug/L	1.6	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
cis-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
trans-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
1,2-Dichloropropane	ug/L	5.0	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
cis-1,3-Dichloropropene	ug/L	0.5	<0.30	0.30	8135846	<0.30	0.30	8135846	<0.30	0.30	8135846
trans-1,3-Dichloropropene	ug/L	0.5	<0.40	0.40	8135846	<0.40	0.40	8135846	<0.40	0.40	8135846
Ethylbenzene	ug/L	2.4	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Ethylene Dibromide	ug/L	0.2	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Hexane	ug/L	51	<1.0	1.0	8135846	<1.0	1.0	8135846	<1.0	1.0	8135846
Methylene Chloride(Dichloromethane)	ug/L	50	<2.0	2.0	8135846	<2.0	2.0	8135846	<2.0	2.0	8135846

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
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Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TGX708			TGX708			TGX709		
Sampling Date			2022/07/26 08:30			2022/07/26 08:30			2022/07/26 08:45		
COC Number			878051-05-01			878051-05-01			878051-05-01		
	UNITS	Criteria	BH22-3	RDL	QC Batch	BH22-3 Lab-Dup	RDL	QC Batch	MW18-1	RDL	QC Batch
Methyl Ethyl Ketone (2-Butanone)	ug/L	1800	<10	10	8135846	<10	10	8135846	<10	10	8135846
Methyl Isobutyl Ketone	ug/L	640	<5.0	5.0	8135846	<5.0	5.0	8135846	<5.0	5.0	8135846
Methyl t-butyl ether (MTBE)	ug/L	15	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
Styrene	ug/L	5.4	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
1,1,2,2-Tetrachloroethane	ug/L	1.0	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
Tetrachloroethylene	ug/L	1.6	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Toluene	ug/L	24	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
1,1,1-Trichloroethane	ug/L	200	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
1,1,2-Trichloroethane	ug/L	4.7	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
Trichloroethylene	ug/L	1.6	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Trichlorofluoromethane (FREON 11)	ug/L	150	<0.50	0.50	8135846	<0.50	0.50	8135846	<0.50	0.50	8135846
Vinyl Chloride	ug/L	0.5	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
p+m-Xylene	ug/L	-	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
o-Xylene	ug/L	-	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
Total Xylenes	ug/L	300	<0.20	0.20	8135846	<0.20	0.20	8135846	<0.20	0.20	8135846
F1 (C6-C10)	ug/L	750	<25	25	8135846	<25	25	8135846	<25	25	8135846
F1 (C6-C10) - BTEX	ug/L	750	<25	25	8135846	<25	25	8135846	<25	25	8135846
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/L	150	<100	100	8137732				<100	100	8137732
F3 (C16-C34 Hydrocarbons)	ug/L	500	<200	200	8137732				<200	200	8137732
F4 (C34-C50 Hydrocarbons)	ug/L	500	<200	200	8137732				<200	200	8137732
Reached Baseline at C50	ug/L	-	Yes		8137732				Yes		8137732
Surrogate Recovery (%)											
o-Terphenyl	%	-	100		8137732				99		8137732
4-Bromofluorobenzene	%	-	92		8135846	90		8135846	92		8135846
D4-1,2-Dichloroethane	%	-	111		8135846	103		8135846	117		8135846
D8-Toluene	%	-	95		8135846	97		8135846	94		8135846

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

RDL = Reportable Detection Limit
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Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TGX710	TGX711	TGX712	TGX713		
Sampling Date			2022/07/26 08:45	2022/07/26 14:20	2022/07/26 14:20	2022/07/26 14:55		
COC Number			878051-05-01	878051-05-01	878051-05-01	878051-05-01		
	UNITS	Criteria	GW22-1	MW18-4	GW22-2	MW18-5	RDL	QC Batch
Calculated Parameters								
1,3-Dichloropropene (cis+trans)	ug/L	0.5	<0.50	<0.50	<0.50	<0.50	0.50	8135028
Volatile Organics								
Acetone (2-Propanone)	ug/L	2700	<10	<10	<10	<10	10	8135846
Benzene	ug/L	5.0	<0.17	<0.17	<0.17	0.18	0.17	8135846
Bromodichloromethane	ug/L	16.0	<0.50	<0.50	<0.50	<0.50	0.50	8135846
Bromoform	ug/L	25.0	<1.0	<1.0	<1.0	<1.0	1.0	8135846
Bromomethane	ug/L	0.89	<0.50	<0.50	<0.50	<0.50	0.50	8135846
Carbon Tetrachloride	ug/L	0.79	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Chlorobenzene	ug/L	30	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Chloroform	ug/L	2.4	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Dibromochloromethane	ug/L	25.0	<0.50	<0.50	<0.50	<0.50	0.50	8135846
1,2-Dichlorobenzene	ug/L	3.0	<0.50	<0.50	<0.50	<0.50	0.50	8135846
1,3-Dichlorobenzene	ug/L	59	<0.50	<0.50	<0.50	<0.50	0.50	8135846
1,4-Dichlorobenzene	ug/L	1.0	<0.50	<0.50	<0.50	<0.50	0.50	8135846
Dichlorodifluoromethane (FREON 12)	ug/L	590	<1.0	<1.0	<1.0	<1.0	1.0	8135846
1,1-Dichloroethane	ug/L	5	<0.20	<0.20	<0.20	<0.20	0.20	8135846
1,2-Dichloroethane	ug/L	1.6	<0.50	<0.50	<0.50	<0.50	0.50	8135846
1,1-Dichloroethylene	ug/L	1.6	<0.20	<0.20	<0.20	<0.20	0.20	8135846
cis-1,2-Dichloroethylene	ug/L	1.6	<0.50	<0.50	<0.50	<0.50	0.50	8135846
trans-1,2-Dichloroethylene	ug/L	1.6	<0.50	<0.50	<0.50	<0.50	0.50	8135846
1,2-Dichloropropane	ug/L	5.0	<0.20	<0.20	<0.20	<0.20	0.20	8135846
cis-1,3-Dichloropropene	ug/L	0.5	<0.30	<0.30	<0.30	<0.30	0.30	8135846
trans-1,3-Dichloropropene	ug/L	0.5	<0.40	<0.40	<0.40	<0.40	0.40	8135846
Ethylbenzene	ug/L	2.4	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Ethylene Dibromide	ug/L	0.2	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Hexane	ug/L	51	<1.0	<1.0	<1.0	<1.0	1.0	8135846
Methylene Chloride(Dichloromethane)	ug/L	50	<2.0	<2.0	<2.0	<2.0	2.0	8135846
Methyl Ethyl Ketone (2-Butanone)	ug/L	1800	<10	<10	<10	<10	10	8135846

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TGX710	TGX711	TGX712	TGX713		
Sampling Date			2022/07/26 08:45	2022/07/26 14:20	2022/07/26 14:20	2022/07/26 14:55		
COC Number			878051-05-01	878051-05-01	878051-05-01	878051-05-01		
	UNITS	Criteria	GW22-1	MW18-4	GW22-2	MW18-5	RDL	QC Batch
Methyl Isobutyl Ketone	ug/L	640	<5.0	<5.0	<5.0	<5.0	5.0	8135846
Methyl t-butyl ether (MTBE)	ug/L	15	<0.50	<0.50	<0.50	<0.50	0.50	8135846
Styrene	ug/L	5.4	<0.50	<0.50	<0.50	<0.50	0.50	8135846
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	<0.50	<0.50	<0.50	0.50	8135846
1,1,2,2-Tetrachloroethane	ug/L	1.0	<0.50	<0.50	<0.50	<0.50	0.50	8135846
Tetrachloroethylene	ug/L	1.6	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Toluene	ug/L	24	<0.20	<0.20	<0.20	0.24	0.20	8135846
1,1,1-Trichloroethane	ug/L	200	<0.20	<0.20	<0.20	<0.20	0.20	8135846
1,1,2-Trichloroethane	ug/L	4.7	<0.50	<0.50	<0.50	<0.50	0.50	8135846
Trichloroethylene	ug/L	1.6	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Trichlorofluoromethane (FREON 11)	ug/L	150	<0.50	<0.50	<0.50	<0.50	0.50	8135846
Vinyl Chloride	ug/L	0.5	<0.20	<0.20	<0.20	<0.20	0.20	8135846
p+m-Xylene	ug/L	-	<0.20	<0.20	<0.20	<0.20	0.20	8135846
o-Xylene	ug/L	-	<0.20	<0.20	<0.20	<0.20	0.20	8135846
Total Xylenes	ug/L	300	<0.20	<0.20	<0.20	<0.20	0.20	8135846
F1 (C6-C10)	ug/L	750	<25	<25	<25	<25	25	8135846
F1 (C6-C10) - BTEX	ug/L	750	<25	<25	<25	<25	25	8135846
F2-F4 Hydrocarbons								
F2 (C10-C16 Hydrocarbons)	ug/L	150	<100	<100	<100	<100	100	8137732
F3 (C16-C34 Hydrocarbons)	ug/L	500	<200	<200	<200	<200	200	8137732
F4 (C34-C50 Hydrocarbons)	ug/L	500	<200	<200	<200	<200	200	8137732
Reached Baseline at C50	ug/L	-	Yes	Yes	Yes	Yes		8137732
Surrogate Recovery (%)								
o-Terphenyl	%	-	99	100	100	99		8137732
4-Bromofluorobenzene	%	-	91	90	90	90		8135846
D4-1,2-Dichloroethane	%	-	114	109	114	112		8135846
D8-Toluene	%	-	95	97	96	95		8135846

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
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O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID			TGX714		
Sampling Date			2022/07/26		
COC Number			878051-05-01		
	UNITS	Criteria	TRIP BLANK	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/L	0.5	<0.50	0.50	8135468
Volatile Organics					
Acetone (2-Propanone)	ug/L	2700	<10	10	8135606
Benzene	ug/L	5.0	<0.20	0.20	8135606
Bromodichloromethane	ug/L	16.0	<0.50	0.50	8135606
Bromoform	ug/L	25.0	<1.0	1.0	8135606
Bromomethane	ug/L	0.89	<0.50	0.50	8135606
Carbon Tetrachloride	ug/L	0.79	<0.19	0.19	8135606
Chlorobenzene	ug/L	30	<0.20	0.20	8135606
Chloroform	ug/L	2.4	<0.20	0.20	8135606
Dibromochloromethane	ug/L	25.0	<0.50	0.50	8135606
1,2-Dichlorobenzene	ug/L	3.0	<0.40	0.40	8135606
1,3-Dichlorobenzene	ug/L	59	<0.40	0.40	8135606
1,4-Dichlorobenzene	ug/L	1.0	<0.40	0.40	8135606
Dichlorodifluoromethane (FREON 12)	ug/L	590	<1.0	1.0	8135606
1,1-Dichloroethane	ug/L	5	<0.20	0.20	8135606
1,2-Dichloroethane	ug/L	1.6	<0.49	0.49	8135606
1,1-Dichloroethylene	ug/L	1.6	<0.20	0.20	8135606
cis-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8135606
trans-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8135606
1,2-Dichloropropane	ug/L	5.0	<0.20	0.20	8135606
cis-1,3-Dichloropropene	ug/L	0.5	<0.30	0.30	8135606
trans-1,3-Dichloropropene	ug/L	0.5	<0.40	0.40	8135606
Ethylbenzene	ug/L	2.4	<0.20	0.20	8135606
Ethylene Dibromide	ug/L	0.2	<0.19	0.19	8135606
Hexane	ug/L	51	<1.0	1.0	8135606
Methylene Chloride(Dichloromethane)	ug/L	50	<2.0	2.0	8135606
Methyl Ethyl Ketone (2-Butanone)	ug/L	1800	<10	10	8135606

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

O.REG 153 VOCS BY HS (WATER)

Bureau Veritas ID			TGX714		
Sampling Date			2022/07/26		
COC Number			878051-05-01		
	UNITS	Criteria	TRIP BLANK	RDL	QC Batch
Methyl Isobutyl Ketone	ug/L	640	<5.0	5.0	8135606
Methyl t-butyl ether (MTBE)	ug/L	15	<0.50	0.50	8135606
Styrene	ug/L	5.4	<0.40	0.40	8135606
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	0.50	8135606
1,1,2,2-Tetrachloroethane	ug/L	1.0	<0.40	0.40	8135606
Tetrachloroethylene	ug/L	1.6	<0.20	0.20	8135606
Toluene	ug/L	24	<0.20	0.20	8135606
1,1,1-Trichloroethane	ug/L	200	<0.20	0.20	8135606
1,1,2-Trichloroethane	ug/L	4.7	<0.40	0.40	8135606
Trichloroethylene	ug/L	1.6	<0.20	0.20	8135606
Trichlorofluoromethane (FREON 11)	ug/L	150	<0.50	0.50	8135606
Vinyl Chloride	ug/L	0.5	<0.20	0.20	8135606
p+m-Xylene	ug/L	-	<0.20	0.20	8135606
o-Xylene	ug/L	-	<0.20	0.20	8135606
Total Xylenes	ug/L	300	<0.20	0.20	8135606
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	-	93		8135606
D4-1,2-Dichloroethane	%	-	109		8135606
D8-Toluene	%	-	93		8135606

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition
Potable Ground Water- All Types of Property Uses - Coarse Textured Soil

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

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: TGX708
Sample ID: BH22-3
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8135028	N/A	2022/08/02	Automated Statchk
Chloride by Automated Colourimetry	KONE	8136801	N/A	2022/07/29	Alina Dobreanu
Chromium (VI) in Water	IC	8135532	N/A	2022/07/28	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8135286	N/A	2022/07/28	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8137732	2022/07/29	2022/07/29	Dennis Ngondu
Mercury	CV/AA	8135868	2022/07/28	2022/07/28	Thuy Linh Nguyen
Dissolved Metals by ICPMS	ICP/MS	8136838	N/A	2022/07/29	Daniel Teclu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8135846	N/A	2022/07/29	Jett Wu

Bureau Veritas ID: TGX708 Dup
Sample ID: BH22-3
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8135846	N/A	2022/07/29	Jett Wu

Bureau Veritas ID: TGX709
Sample ID: MW18-1
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8135028	N/A	2022/08/02	Automated Statchk
Chloride by Automated Colourimetry	KONE	8136801	N/A	2022/07/29	Alina Dobreanu
Chromium (VI) in Water	IC	8135532	N/A	2022/07/28	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8135286	N/A	2022/07/28	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8137732	2022/07/29	2022/07/29	Dennis Ngondu
Mercury	CV/AA	8135868	2022/07/28	2022/07/28	Thuy Linh Nguyen
Dissolved Metals by ICPMS	ICP/MS	8136838	N/A	2022/07/29	Daniel Teclu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8135846	N/A	2022/07/29	Jett Wu

Bureau Veritas ID: TGX710
Sample ID: GW22-1
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8135028	N/A	2022/08/02	Automated Statchk
Chloride by Automated Colourimetry	KONE	8136801	N/A	2022/07/29	Alina Dobreanu
Chromium (VI) in Water	IC	8135532	N/A	2022/07/28	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8135286	N/A	2022/07/28	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8137732	2022/07/29	2022/07/29	Dennis Ngondu
Mercury	CV/AA	8135868	2022/07/28	2022/07/28	Thuy Linh Nguyen
Dissolved Metals by ICPMS	ICP/MS	8136838	N/A	2022/07/29	Daniel Teclu
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8135846	N/A	2022/07/29	Jett Wu

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: TGX711
Sample ID: MW18-4
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8135028	N/A	2022/08/02	Automated Statchk
Chloride by Automated Colourimetry	KONE	8136801	N/A	2022/07/29	Alina Dobreanu
Chromium (VI) in Water	IC	8135532	N/A	2022/07/28	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8135286	N/A	2022/07/28	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8137732	2022/07/29	2022/07/29	Dennis Ngondu
Mercury	CV/AA	8135868	2022/07/28	2022/07/28	Thuy Linh Nguyen
Dissolved Metals by ICPMS	ICP/MS	8136838	N/A	2022/07/29	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	8140944	2022/07/31	2022/08/02	Li Peng
OC Pesticides Summed Parameters	CALC	8133750	N/A	2022/07/28	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8135846	N/A	2022/07/29	Jett Wu

Bureau Veritas ID: TGX712
Sample ID: GW22-2
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8135028	N/A	2022/08/02	Automated Statchk
Chloride by Automated Colourimetry	KONE	8136801	N/A	2022/07/29	Alina Dobreanu
Chromium (VI) in Water	IC	8135532	N/A	2022/07/28	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8135286	N/A	2022/07/28	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8137732	2022/07/29	2022/07/29	Dennis Ngondu
Mercury	CV/AA	8135868	2022/07/28	2022/07/28	Thuy Linh Nguyen
Dissolved Metals by ICPMS	ICP/MS	8136838	N/A	2022/07/29	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	8140944	2022/07/31	2022/08/02	Li Peng
OC Pesticides Summed Parameters	CALC	8133750	N/A	2022/07/28	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8135846	N/A	2022/07/29	Jett Wu

Bureau Veritas ID: TGX712 Dup
Sample ID: GW22-2
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	8136838	N/A	2022/07/29	Daniel Teclu

Bureau Veritas ID: TGX713
Sample ID: MW18-5
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8135028	N/A	2022/08/02	Automated Statchk
Chloride by Automated Colourimetry	KONE	8136801	N/A	2022/07/29	Alina Dobreanu
Chromium (VI) in Water	IC	8135532	N/A	2022/07/28	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8135286	N/A	2022/07/28	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8137732	2022/07/29	2022/07/29	Dennis Ngondu

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Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Site Location: 6728 SIXTH LINE MILTON, ON
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: TGX713
Sample ID: MW18-5
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury	CV/AA	8135868	2022/07/28	2022/07/28	Thuy Linh Nguyen
Dissolved Metals by ICPMS	ICP/MS	8136838	N/A	2022/07/29	Daniel Teclu
OC Pesticides (Selected) & PCB	GC/ECD	8140944	2022/07/31	2022/08/02	Li Peng
OC Pesticides Summed Parameters	CALC	8133750	N/A	2022/07/28	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8135846	N/A	2022/07/29	Jett Wu

Bureau Veritas ID: TGX714
Sample ID: TRIP BLANK
Matrix: Water

Collected: 2022/07/26
Shipped:
Received: 2022/07/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8135468	N/A	2022/07/29	Automated Statchk
Volatile Organic Compounds in Water	GC/MS	8135606	N/A	2022/07/28	Dina Wang

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GENERAL COMMENTS

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8135606	4-Bromofluorobenzene	2022/07/28	100	70 - 130	101	70 - 130	96	%		
8135606	D4-1,2-Dichloroethane	2022/07/28	107	70 - 130	102	70 - 130	110	%		
8135606	D8-Toluene	2022/07/28	105	70 - 130	105	70 - 130	93	%		
8135846	4-Bromofluorobenzene	2022/07/29	100	70 - 130	99	70 - 130	91	%		
8135846	D4-1,2-Dichloroethane	2022/07/29	106	70 - 130	103	70 - 130	108	%		
8135846	D8-Toluene	2022/07/29	102	70 - 130	104	70 - 130	96	%		
8137732	o-Terphenyl	2022/07/29	103	60 - 130	101	60 - 130	98	%		
8140944	2,4,5,6-Tetrachloro-m-xylene	2022/08/02			79	50 - 130	62	%		
8140944	Decachlorobiphenyl	2022/08/02			125	50 - 130	109	%		
8135286	WAD Cyanide (Free)	2022/07/28	93	80 - 120	94	80 - 120	<1	ug/L	NC	20
8135532	Chromium (VI)	2022/07/28	99	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
8135606	1,1,1,2-Tetrachloroethane	2022/07/28	97	70 - 130	100	70 - 130	<0.50	ug/L		
8135606	1,1,1-Trichloroethane	2022/07/28	94	70 - 130	102	70 - 130	<0.20	ug/L		
8135606	1,1,2,2-Tetrachloroethane	2022/07/28	103	70 - 130	97	70 - 130	<0.40	ug/L		
8135606	1,1,2-Trichloroethane	2022/07/28	105	70 - 130	101	70 - 130	<0.40	ug/L		
8135606	1,1-Dichloroethane	2022/07/28	91	70 - 130	97	70 - 130	<0.20	ug/L		
8135606	1,1-Dichloroethylene	2022/07/28	90	70 - 130	100	70 - 130	<0.20	ug/L		
8135606	1,2-Dichlorobenzene	2022/07/28	95	70 - 130	96	70 - 130	<0.40	ug/L		
8135606	1,2-Dichloroethane	2022/07/28	101	70 - 130	98	70 - 130	<0.49	ug/L		
8135606	1,2-Dichloropropane	2022/07/28	95	70 - 130	98	70 - 130	<0.20	ug/L		
8135606	1,3-Dichlorobenzene	2022/07/28	90	70 - 130	95	70 - 130	<0.40	ug/L		
8135606	1,4-Dichlorobenzene	2022/07/28	105	70 - 130	110	70 - 130	<0.40	ug/L		
8135606	Acetone (2-Propanone)	2022/07/28	115	60 - 140	105	60 - 140	<10	ug/L		
8135606	Benzene	2022/07/28	88	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8135606	Bromodichloromethane	2022/07/28	98	70 - 130	100	70 - 130	<0.50	ug/L		
8135606	Bromoform	2022/07/28	104	70 - 130	99	70 - 130	<1.0	ug/L		
8135606	Bromomethane	2022/07/28	92	60 - 140	100	60 - 140	<0.50	ug/L		
8135606	Carbon Tetrachloride	2022/07/28	90	70 - 130	99	70 - 130	<0.19	ug/L		
8135606	Chlorobenzene	2022/07/28	93	70 - 130	98	70 - 130	<0.20	ug/L		
8135606	Chloroform	2022/07/28	94	70 - 130	98	70 - 130	<0.20	ug/L		
8135606	cis-1,2-Dichloroethylene	2022/07/28	96	70 - 130	101	70 - 130	<0.50	ug/L		

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8135606	cis-1,3-Dichloropropene	2022/07/28	95	70 - 130	95	70 - 130	<0.30	ug/L		
8135606	Dibromochloromethane	2022/07/28	99	70 - 130	97	70 - 130	<0.50	ug/L		
8135606	Dichlorodifluoromethane (FREON 12)	2022/07/28	100	60 - 140	118	60 - 140	<1.0	ug/L		
8135606	Ethylbenzene	2022/07/28	84	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8135606	Ethylene Dibromide	2022/07/28	98	70 - 130	94	70 - 130	<0.19	ug/L		
8135606	Hexane	2022/07/28	91	70 - 130	104	70 - 130	<1.0	ug/L	NC	30
8135606	Methyl Ethyl Ketone (2-Butanone)	2022/07/28	122	60 - 140	110	60 - 140	<10	ug/L		
8135606	Methyl Isobutyl Ketone	2022/07/28	121	70 - 130	110	70 - 130	<5.0	ug/L		
8135606	Methyl t-butyl ether (MTBE)	2022/07/28	93	70 - 130	93	70 - 130	<0.50	ug/L		
8135606	Methylene Chloride(Dichloromethane)	2022/07/28	98	70 - 130	100	70 - 130	<2.0	ug/L		
8135606	o-Xylene	2022/07/28	84	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
8135606	p+m-Xylene	2022/07/28	90	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8135606	Styrene	2022/07/28	99	70 - 130	109	70 - 130	<0.40	ug/L		
8135606	Tetrachloroethylene	2022/07/28	84	70 - 130	92	70 - 130	<0.20	ug/L		
8135606	Toluene	2022/07/28	91	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8135606	Total Xylenes	2022/07/28					<0.20	ug/L	NC	30
8135606	trans-1,2-Dichloroethylene	2022/07/28	91	70 - 130	100	70 - 130	<0.50	ug/L		
8135606	trans-1,3-Dichloropropene	2022/07/28	105	70 - 130	104	70 - 130	<0.40	ug/L		
8135606	Trichloroethylene	2022/07/28	95	70 - 130	102	70 - 130	<0.20	ug/L		
8135606	Trichlorofluoromethane (FREON 11)	2022/07/28	88	70 - 130	98	70 - 130	<0.50	ug/L		
8135606	Vinyl Chloride	2022/07/28	82	70 - 130	93	70 - 130	<0.20	ug/L		
8135846	1,1,1,2-Tetrachloroethane	2022/07/29	97	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
8135846	1,1,1-Trichloroethane	2022/07/29	98	70 - 130	104	70 - 130	<0.20	ug/L	NC	30
8135846	1,1,2,2-Tetrachloroethane	2022/07/29	98	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8135846	1,1,2-Trichloroethane	2022/07/29	99	70 - 130	101	70 - 130	<0.50	ug/L	NC	30
8135846	1,1-Dichloroethane	2022/07/29	94	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8135846	1,1-Dichloroethylene	2022/07/29	95	70 - 130	105	70 - 130	<0.20	ug/L	NC	30
8135846	1,2-Dichlorobenzene	2022/07/29	93	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
8135846	1,2-Dichloroethane	2022/07/29	96	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8135846	1,2-Dichloropropane	2022/07/29	97	70 - 130	100	70 - 130	<0.20	ug/L	NC	30
8135846	1,3-Dichlorobenzene	2022/07/29	92	70 - 130	97	70 - 130	<0.50	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8135846	1,4-Dichlorobenzene	2022/07/29	107	70 - 130	112	70 - 130	<0.50	ug/L	NC	30
8135846	Acetone (2-Propanone)	2022/07/29	96	60 - 140	101	60 - 140	<10	ug/L	NC	30
8135846	Benzene	2022/07/29	92	70 - 130	95	70 - 130	<0.17	ug/L	NC	30
8135846	Bromodichloromethane	2022/07/29	100	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8135846	Bromoform	2022/07/29	96	70 - 130	97	70 - 130	<1.0	ug/L	NC	30
8135846	Bromomethane	2022/07/29	99	60 - 140	106	60 - 140	<0.50	ug/L	NC	30
8135846	Carbon Tetrachloride	2022/07/29	96	70 - 130	102	70 - 130	<0.20	ug/L	NC	30
8135846	Chlorobenzene	2022/07/29	93	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8135846	Chloroform	2022/07/29	98	70 - 130	101	70 - 130	<0.20	ug/L	NC	30
8135846	cis-1,2-Dichloroethylene	2022/07/29	98	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8135846	cis-1,3-Dichloropropene	2022/07/29	92	70 - 130	93	70 - 130	<0.30	ug/L	NC	30
8135846	Dibromochloromethane	2022/07/29	95	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8135846	Dichlorodifluoromethane (FREON 12)	2022/07/29	106	60 - 140	122	60 - 140	<1.0	ug/L	NC	30
8135846	Ethylbenzene	2022/07/29	84	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
8135846	Ethylene Dibromide	2022/07/29	95	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8135846	F1 (C6-C10) - BTEX	2022/07/29					<25	ug/L	NC	30
8135846	F1 (C6-C10)	2022/07/29	96	60 - 140	101	60 - 140	<25	ug/L	NC	30
8135846	Hexane	2022/07/29	95	70 - 130	105	70 - 130	<1.0	ug/L	NC	30
8135846	Methyl Ethyl Ketone (2-Butanone)	2022/07/29	97	60 - 140	98	60 - 140	<10	ug/L	NC	30
8135846	Methyl Isobutyl Ketone	2022/07/29	98	70 - 130	99	70 - 130	<5.0	ug/L	NC	30
8135846	Methyl t-butyl ether (MTBE)	2022/07/29	88	70 - 130	91	70 - 130	<0.50	ug/L	NC	30
8135846	Methylene Chloride(Dichloromethane)	2022/07/29	96	70 - 130	101	70 - 130	<2.0	ug/L	NC	30
8135846	o-Xylene	2022/07/29	85	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8135846	p+m-Xylene	2022/07/29	86	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8135846	Styrene	2022/07/29	95	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8135846	Tetrachloroethylene	2022/07/29	88	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8135846	Toluene	2022/07/29	85	70 - 130	91	70 - 130	<0.20	ug/L	NC	30
8135846	Total Xylenes	2022/07/29					<0.20	ug/L	NC	30
8135846	trans-1,2-Dichloroethylene	2022/07/29	96	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
8135846	trans-1,3-Dichloropropene	2022/07/29	98	70 - 130	101	70 - 130	<0.40	ug/L	NC	30
8135846	Trichloroethylene	2022/07/29	99	70 - 130	102	70 - 130	<0.20	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8135846	Trichlorofluoromethane (FREON 11)	2022/07/29	96	70 - 130	106	70 - 130	<0.50	ug/L	NC	30
8135846	Vinyl Chloride	2022/07/29	80	70 - 130	91	70 - 130	<0.20	ug/L	NC	30
8135868	Mercury (Hg)	2022/07/28	97	75 - 125	99	80 - 120	<0.10	ug/L	NC	20
8136801	Dissolved Chloride (Cl-)	2022/07/29	NC	80 - 120	102	80 - 120	<1.0	mg/L	0.10	20
8136838	Dissolved Antimony (Sb)	2022/07/29	107	80 - 120	103	80 - 120	<0.50	ug/L	NC	20
8136838	Dissolved Arsenic (As)	2022/07/29	100	80 - 120	98	80 - 120	<1.0	ug/L	NC	20
8136838	Dissolved Barium (Ba)	2022/07/29	100	80 - 120	102	80 - 120	<2.0	ug/L	1.8	20
8136838	Dissolved Beryllium (Be)	2022/07/29	100	80 - 120	101	80 - 120	<0.40	ug/L	NC	20
8136838	Dissolved Boron (B)	2022/07/29	98	80 - 120	98	80 - 120	<10	ug/L	0.65	20
8136838	Dissolved Cadmium (Cd)	2022/07/29	102	80 - 120	100	80 - 120	<0.090	ug/L	NC	20
8136838	Dissolved Chromium (Cr)	2022/07/29	97	80 - 120	94	80 - 120	<5.0	ug/L	NC	20
8136838	Dissolved Cobalt (Co)	2022/07/29	97	80 - 120	98	80 - 120	<0.50	ug/L	NC	20
8136838	Dissolved Copper (Cu)	2022/07/29	98	80 - 120	97	80 - 120	<0.90	ug/L	0.96	20
8136838	Dissolved Lead (Pb)	2022/07/29	98	80 - 120	99	80 - 120	<0.50	ug/L	NC	20
8136838	Dissolved Molybdenum (Mo)	2022/07/29	107	80 - 120	101	80 - 120	<0.50	ug/L	3.2	20
8136838	Dissolved Nickel (Ni)	2022/07/29	94	80 - 120	94	80 - 120	<1.0	ug/L	11	20
8136838	Dissolved Selenium (Se)	2022/07/29	124 (1)	80 - 120	100	80 - 120	<2.0	ug/L	NC	20
8136838	Dissolved Silver (Ag)	2022/07/29	90	80 - 120	100	80 - 120	<0.090	ug/L	NC	20
8136838	Dissolved Sodium (Na)	2022/07/29	NC	80 - 120	94	80 - 120	<100	ug/L	1.5	20
8136838	Dissolved Thallium (Tl)	2022/07/29	100	80 - 120	100	80 - 120	<0.050	ug/L	NC	20
8136838	Dissolved Uranium (U)	2022/07/29	100	80 - 120	100	80 - 120	<0.10	ug/L	0.33	20
8136838	Dissolved Vanadium (V)	2022/07/29	100	80 - 120	96	80 - 120	<0.50	ug/L	NC	20
8136838	Dissolved Zinc (Zn)	2022/07/29	96	80 - 120	96	80 - 120	<5.0	ug/L	NC	20
8137732	F2 (C10-C16 Hydrocarbons)	2022/07/29	130	60 - 130	106	60 - 130	<100	ug/L	NC	30
8137732	F3 (C16-C34 Hydrocarbons)	2022/07/29	127	60 - 130	108	60 - 130	<200	ug/L	NC	30
8137732	F4 (C34-C50 Hydrocarbons)	2022/07/29	129	60 - 130	109	60 - 130	<200	ug/L	NC	30
8140944	a-Chlordane	2022/08/02			102	50 - 130	<0.005	ug/L	8.5	30
8140944	Aldrin	2022/08/02			99	50 - 130	<0.005	ug/L	3.6	30
8140944	Aroclor 1242	2022/08/02					<0.05	ug/L		
8140944	Aroclor 1248	2022/08/02					<0.05	ug/L		
8140944	Aroclor 1254	2022/08/02					<0.05	ug/L		

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8140944	Aroclor 1260	2022/08/02					<0.05	ug/L		
8140944	Dieldrin	2022/08/02			115	50 - 130	<0.005	ug/L	3.9	30
8140944	Endosulfan I (alpha)	2022/08/02			94	50 - 130	<0.005	ug/L	4.9	30
8140944	Endosulfan II (beta)	2022/08/02			85	50 - 130	<0.005	ug/L	5.2	30
8140944	Endrin	2022/08/02			103	50 - 130	<0.005	ug/L	5.0	30
8140944	g-Chlordane	2022/08/02			93	50 - 130	<0.005	ug/L	9.4	30
8140944	Heptachlor epoxide	2022/08/02			101	50 - 130	<0.005	ug/L	9.0	30
8140944	Heptachlor	2022/08/02			101	50 - 130	<0.005	ug/L	2.3	30
8140944	Hexachlorobenzene	2022/08/02			94	50 - 130	<0.005	ug/L	3.1	30
8140944	Hexachlorobutadiene	2022/08/02			91	50 - 130	<0.009	ug/L	6.0	30
8140944	Hexachloroethane	2022/08/02			80	50 - 130	<0.01	ug/L	12	30
8140944	Lindane	2022/08/02			89	50 - 130	<0.003	ug/L	5.4	30
8140944	Methoxychlor	2022/08/02			89	50 - 130	<0.01	ug/L	2.2	30
8140944	o,p-DDD	2022/08/02			96	50 - 130	<0.005	ug/L	5.9	30
8140944	o,p-DDE	2022/08/02			93	50 - 130	<0.005	ug/L	15	30
8140944	o,p-DDT	2022/08/02			83	50 - 130	<0.005	ug/L	2.9	30
8140944	p,p-DDD	2022/08/02			86	50 - 130	<0.005	ug/L	8.5	30
8140944	p,p-DDE	2022/08/02			103	50 - 130	<0.005	ug/L	5.7	30
8140944	p,p-DDT	2022/08/02			80	50 - 130	<0.005	ug/L	5.4	30

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

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

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

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

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

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

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

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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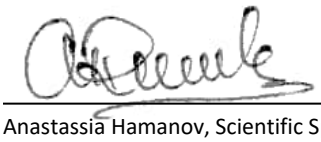
VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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

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

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

26-Jul-22 17:25
Ashton Gibson
C2K9855
DSG ENV-1657

Page of

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:		Quotation #:	C15420	Bottle Order #: 878051
Attention:	Accounts Payable	Attention:		P.O. #:		
Address:	40-6415 Northwest Drive Mississauga ON L4V 1X1	Address:		Project:	22-0209	
Tel:	(905) 659-9456 Fax:	Tel:	437 219 7301	Project Name:	PHASE TWO ESA	COC #: C#878051-05-01
Email:	payables@envisionconsultants.ca; jhoyles@envisionco	Email:	mcalvori@envisionconsultants.ca slundrigan@envisionconsultants.ca	Site #:	6729 Sixth Line Milton, ON	Project Manager: Ashton Gibson
				Sampled By:	MC	

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

Regulation 153 (2011)
- [ ] Table 1 [ ] Res/Park [ ] Medium/Fine
- [X] Table 2 [ ] Ind/Comm [ ] Coarse
- [ ] Table 3 [ ] Agri/Other [X] For RSC
- [ ] Table —

Other Regulations
- [ ] CCME [ ] Sanitary Sewer Bylaw
- [ ] Reg 558 [ ] Storm Sewer Bylaw
- [ ] MISA Municipality
- [ ] PWQO [ ] Reg 406 Table
- [ ] Other

Special Instructions

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

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	Metals - Inorganics	PHCs / BTEX	VOCs	OCs	# of Bottles	Comments
1	BH22-3		07/26/22	8:30	GW	Y	X	X	X		10	
2	MW18-1			8:45		Y	X	X	X		10	
3	GW22-1			8:45		Y	X	X	X		10	
4	MW18-4			2:20		Y	X	X	X	X	11	
5	GW22-2			2:20		Y	X	X	X	X	11	
6	MW18-5			2:55		Y	X	X	X	X	11	
7	Trip Blank		—	—	—							
8												
9												
10												

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
MCalvori	22/07/26		Thulasi V. Venugopalan	2022/07/26	17:25	

Laboratory Use Only
Time Sensitive | Temperature (°C) on Recei: 13/11/11 | Custody Seal Present [Yes] Intact [No]

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

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

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

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

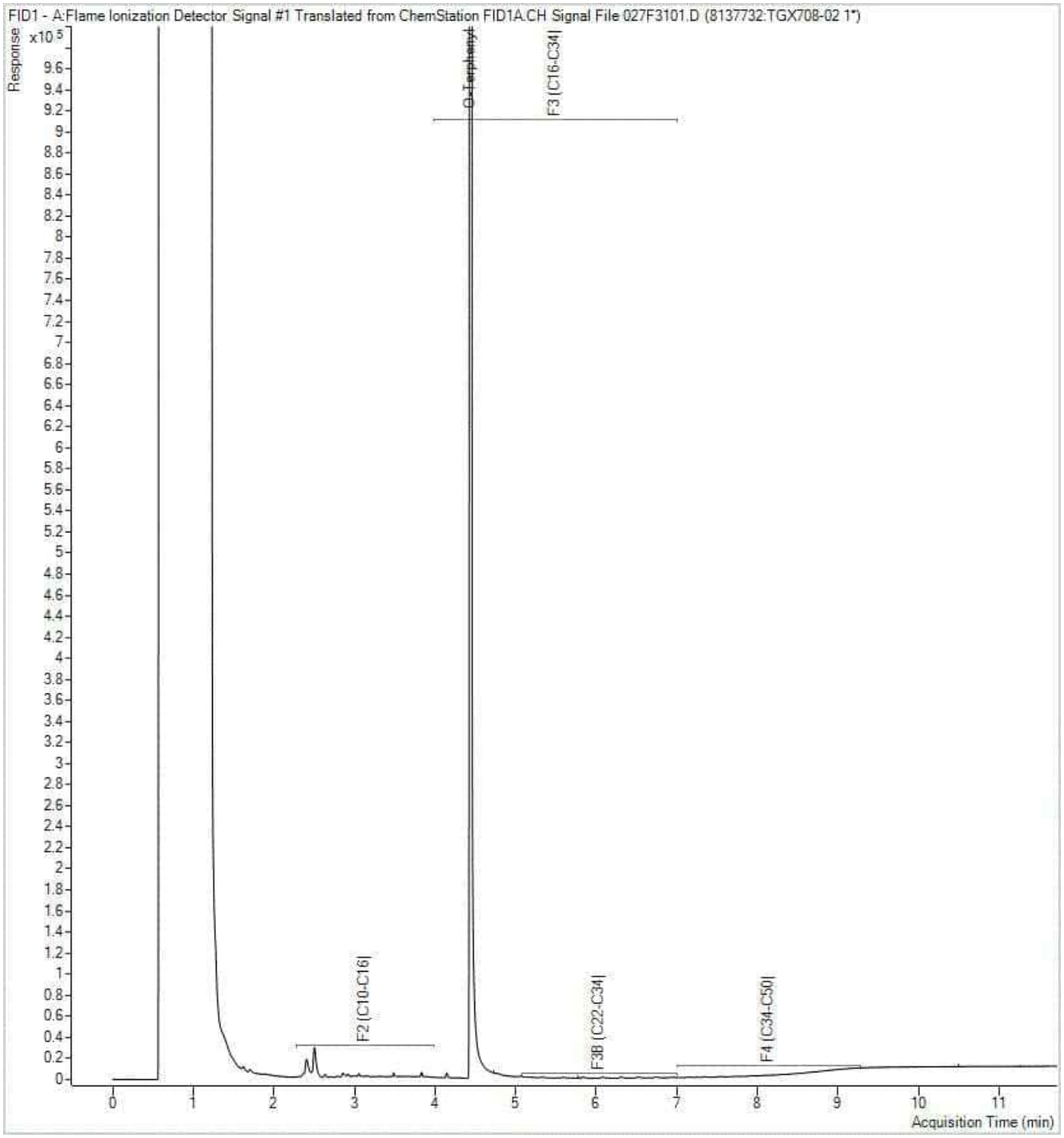
White: Bureau Veritas Yellow: Client

Bureau Veritas Canada (2019) Inc.

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04
Bureau Veritas Sample: TGX708

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Project name: 6728 SIXTH LINE MILTON, ON
Client ID: BH22-3

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

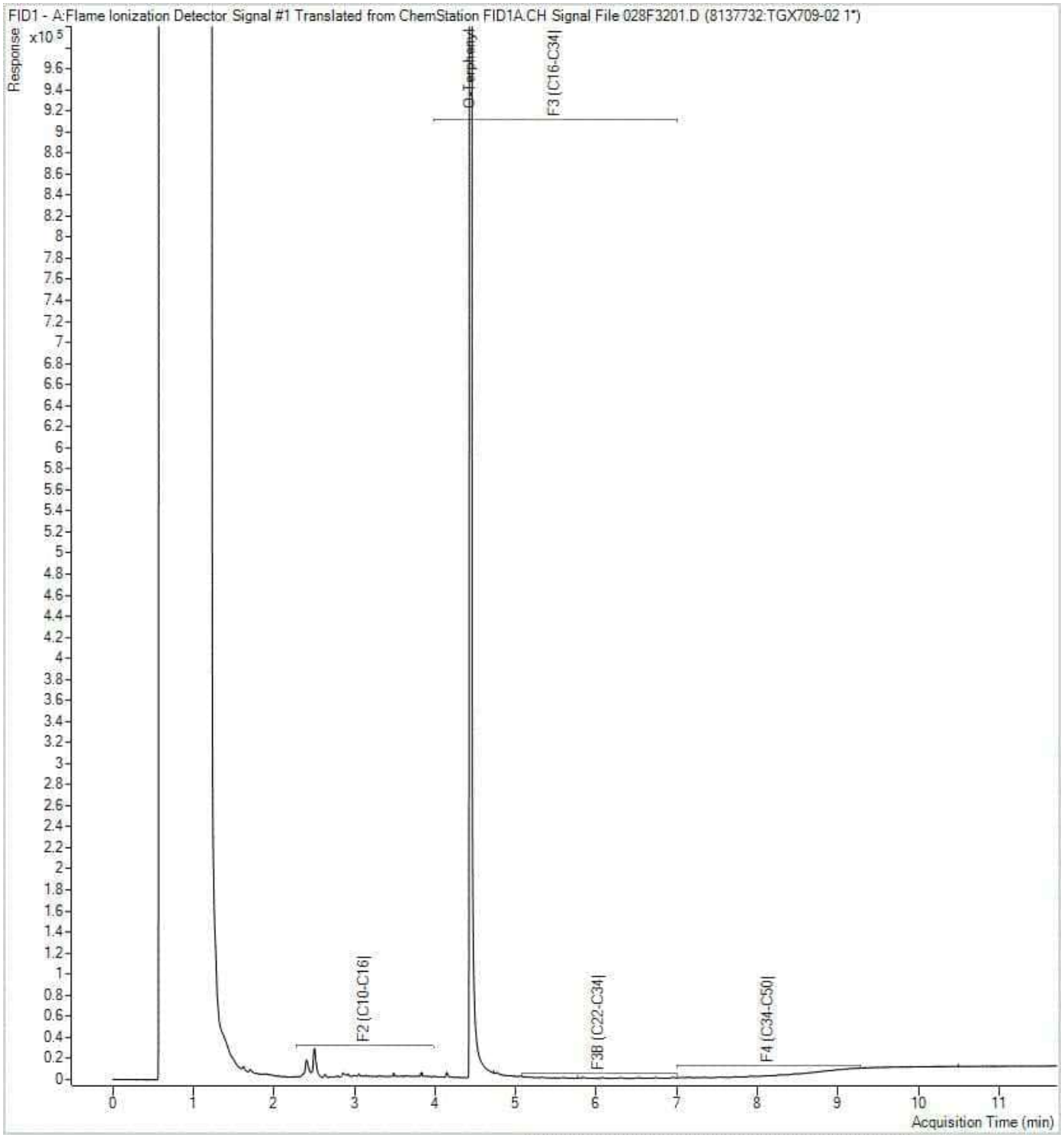


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04
Bureau Veritas Sample: TGX709

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Project name: 6728 SIXTH LINE MILTON, ON
Client ID: MW18-1

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

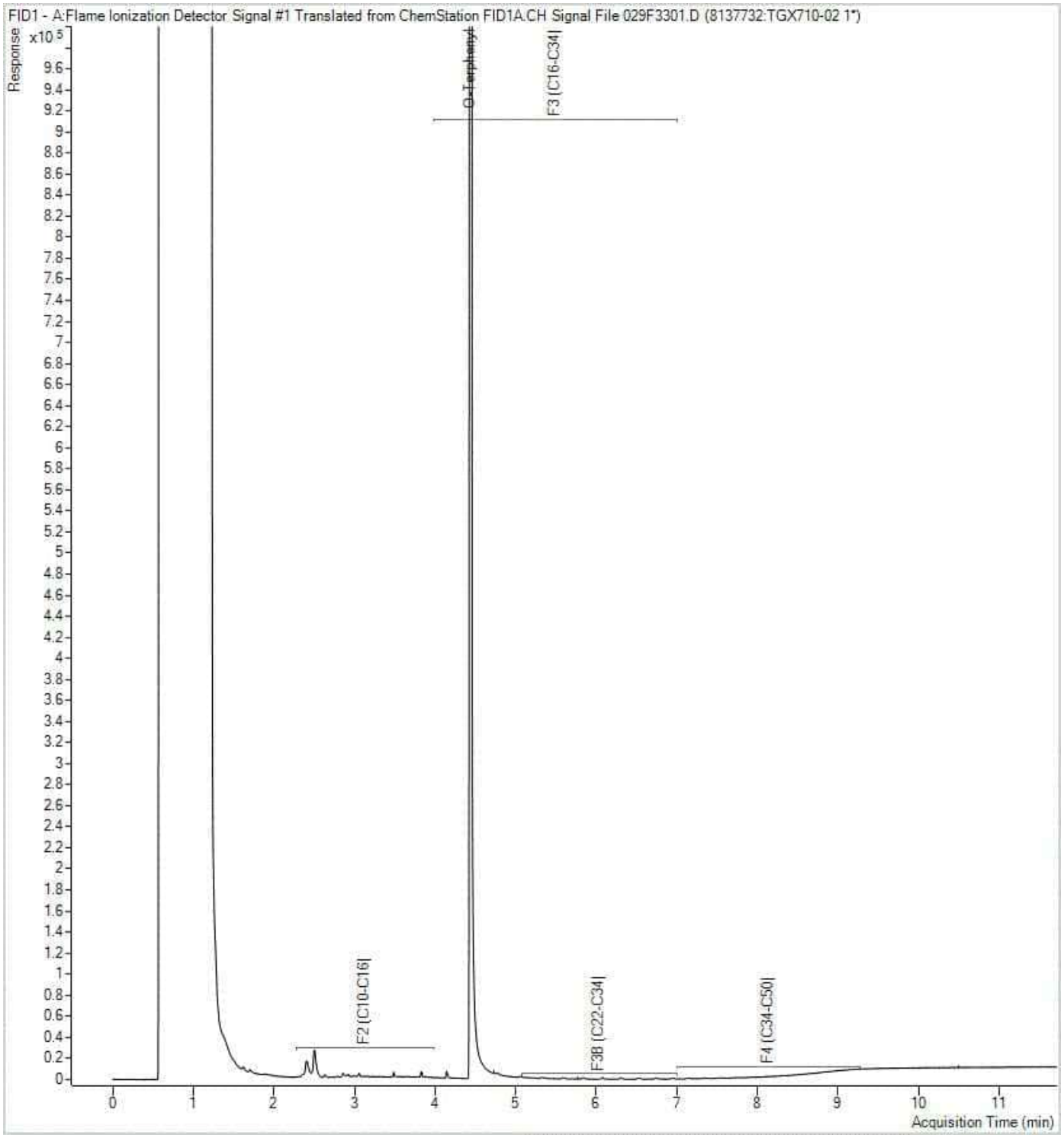


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04
Bureau Veritas Sample: TGX710

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Project name: 6728 SIXTH LINE MILTON, ON
Client ID: GW22-1

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

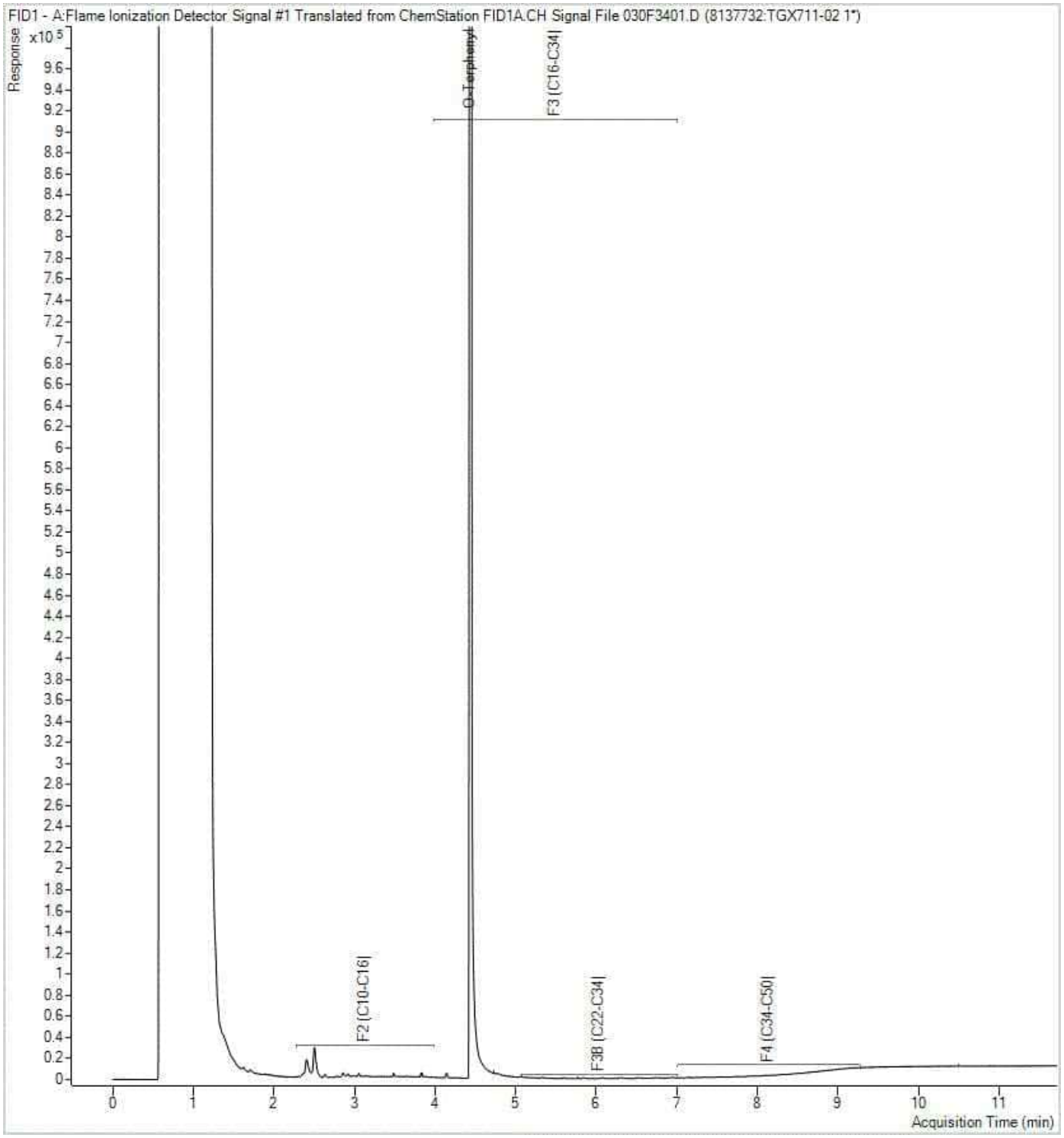


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04
Bureau Veritas Sample: TGX711

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Project name: 6728 SIXTH LINE MILTON, ON
Client ID: MW18-4

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

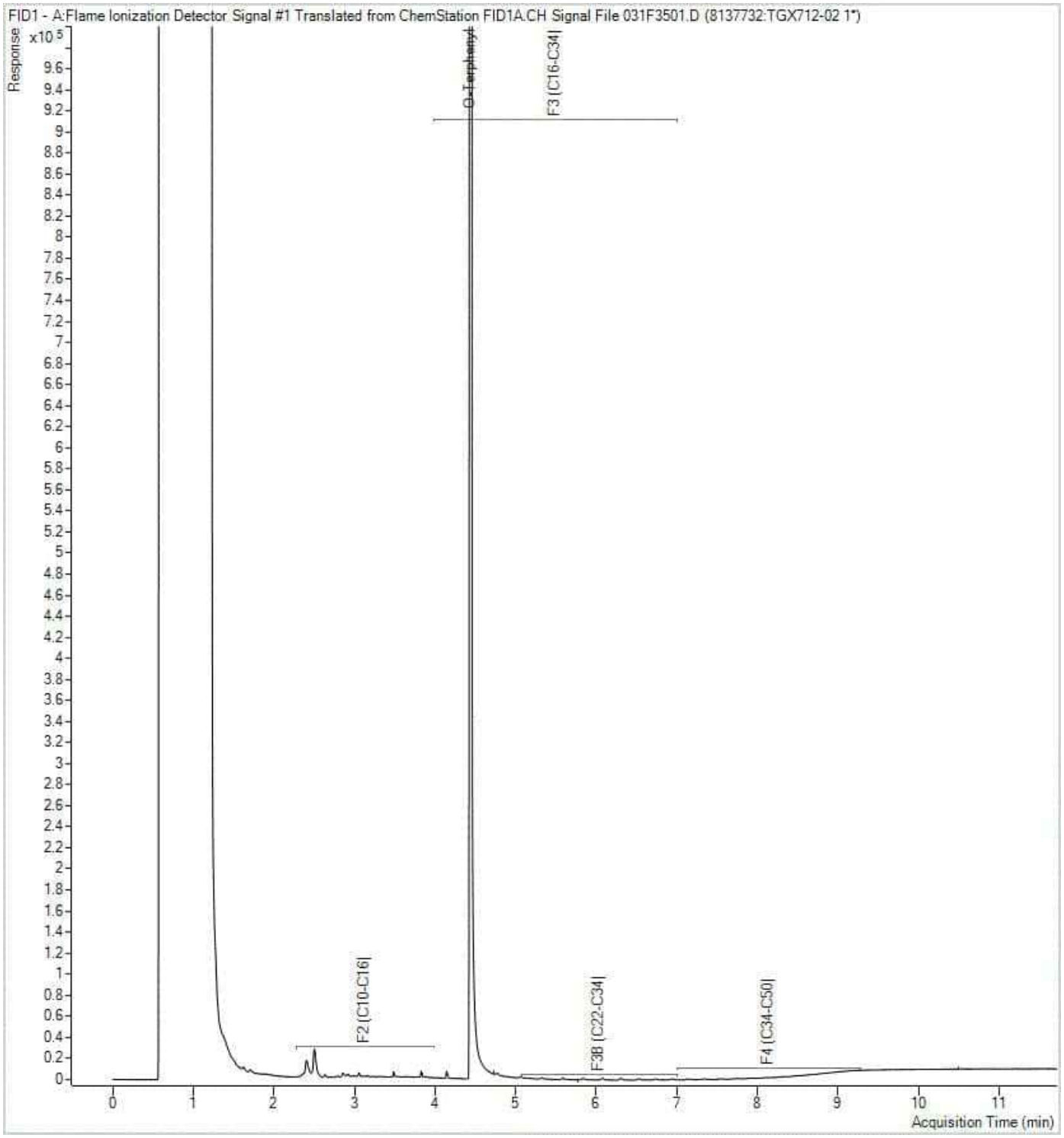


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04
Bureau Veritas Sample: TGX712

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Project name: 6728 SIXTH LINE MILTON, ON
Client ID: GW22-2

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

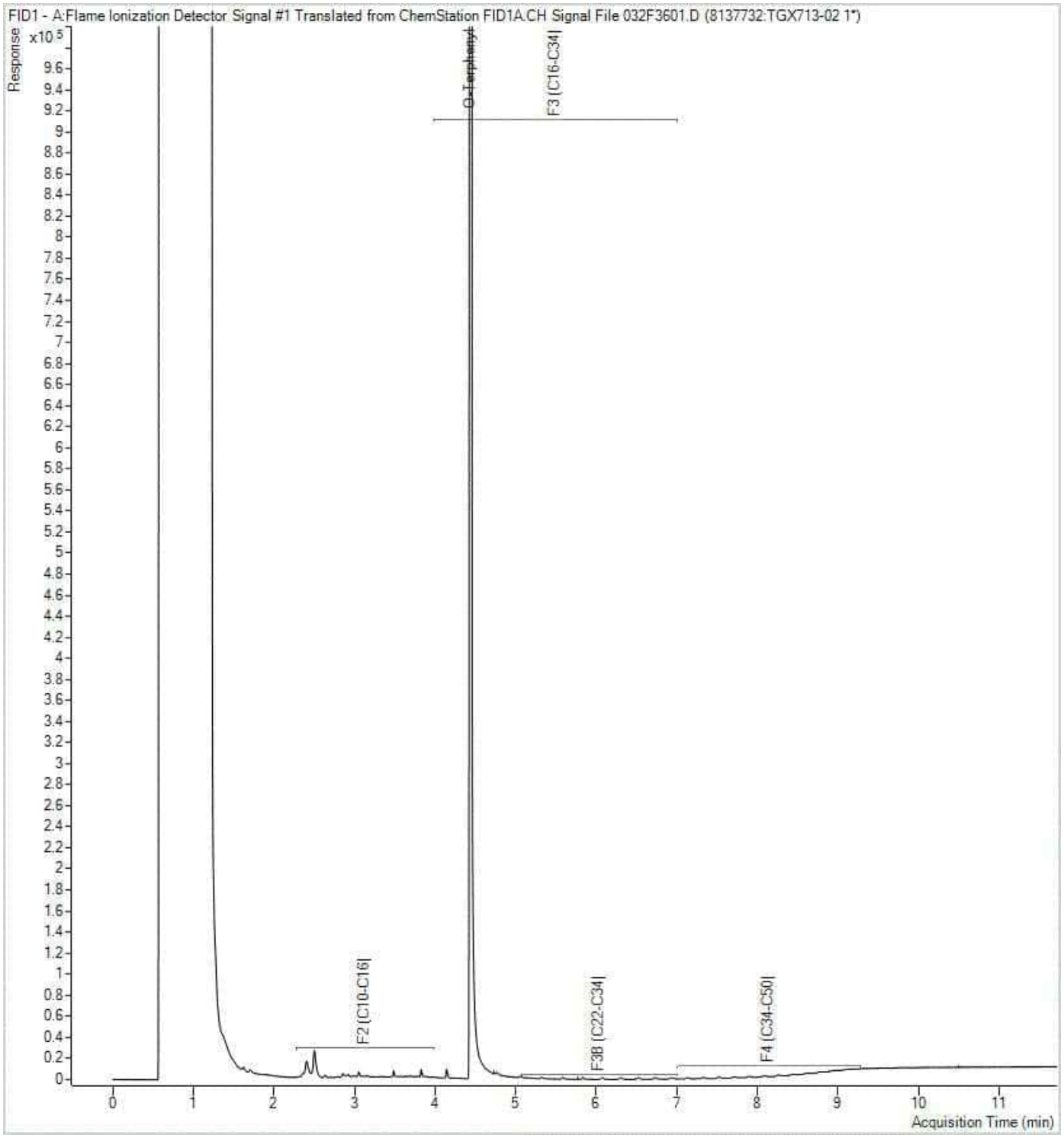


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2K9855
Report Date: 2022/08/04
Bureau Veritas Sample: TGX713

EnVision Consultants Ltd.
Client Project #: 22-0209 PHASE TWO ESA
Project name: 6728 SIXTH LINE MILTON, ON
Client ID: MW18-5

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Exceedance Summary Table – Reg153/04 T2-GW-C

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
MW18-1	TGX709-04	Dissolved Molybdenum (Mo)	70	97	0.50	ug/L
GW22-1	TGX710-04	Dissolved Molybdenum (Mo)	70	100	0.50	ug/L

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

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Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON/ PHASE TWO ESA
Your C.O.C. #: 891860-01-01

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/18
Report #: R7258373
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2M5557
Received: 2022/08/10, 13:35

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
1,3-Dichloropropene Sum	3	N/A	2022/08/16		EPA 8260C m
Chloride by Automated Colourimetry	2	N/A	2022/08/15	CAM SOP-00463	SM 23 4500-Cl E m
Chromium (VI) in Water	2	N/A	2022/08/12	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide	2	N/A	2022/08/12	CAM SOP-00457	OMOE E3015 m
Petroleum Hydrocarbons F2-F4 in Water (1)	2	2022/08/12	2022/08/15	CAM SOP-00316	CCME PHC-CWS m
Mercury	2	2022/08/12	2022/08/12	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS	2	N/A	2022/08/17	CAM SOP-00447	EPA 6020B m
Volatile Organic Compounds and F1 PHCs	3	N/A	2022/08/15	CAM SOP-00230	EPA 8260C m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) All CCME PHC results met required criteria unless otherwise stated in the report. The CWS PHC methods employed by Bureau Veritas conform to all prescribed elements of the reference method and performance based elements have been validated. All modifications have been validated and proven equivalent following “Alberta Environment’s Interpretation of the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Validation of Performance-Based Alternative Methods September 2003”.

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON/ PHASE TWO ESA
Your C.O.C. #: 891860-01-01

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2022/08/18
Report #: R7258373
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C2M5557

Received: 2022/08/10, 13:35

Documentation is available upon request. Modifications from Reference Method for the Canada-wide Standard for Petroleum Hydrocarbons in Soil-Tier 1 Method: F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID			TKG391		TKG392		
Sampling Date			2022/08/10 12:05		2022/08/10 11:10		
COC Number			891860-01-01		891860-01-01		
	UNITS	Criteria	BH22-1	RDL	BH22-5	RDL	QC Batch
Inorganics							
WAD Cyanide (Free)	ug/L	5	<1	1	<1	1	8162403
Dissolved Chloride (Cl-)	mg/L	790	190	2.0	130	1.0	8163532
Metals							
Chromium (VI)	ug/L	25	<0.50	0.50	<0.50	0.50	8163511
Mercury (Hg)	ug/L	0.1	<0.10	0.10	<0.10	0.10	8163383
Dissolved Antimony (Sb)	ug/L	1.5	0.88	0.50	1.3	0.50	8164722
Dissolved Arsenic (As)	ug/L	13	<1.0	1.0	1.1	1.0	8164722
Dissolved Barium (Ba)	ug/L	610	180	2.0	60	2.0	8164722
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	0.40	<0.40	0.40	8164722
Dissolved Boron (B)	ug/L	1700	97	10	440	10	8164722
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	0.090	<0.090	0.090	8164722
Dissolved Chromium (Cr)	ug/L	11	<5.0	5.0	<5.0	5.0	8164722
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	<0.50	0.50	8164722
Dissolved Copper (Cu)	ug/L	5	1.4	0.90	**6.8**	0.90	8164722
Dissolved Lead (Pb)	ug/L	1.9	<0.50	0.50	<0.50	0.50	8164722
Dissolved Molybdenum (Mo)	ug/L	23	17	0.50	**30**	0.50	8164722
Dissolved Nickel (Ni)	ug/L	14	<1.0	1.0	1.5	1.0	8164722
Dissolved Selenium (Se)	ug/L	5	<2.0	2.0	2.2	2.0	8164722
Dissolved Silver (Ag)	ug/L	0.3	<0.090	0.090	<0.090	0.090	8164722
Dissolved Sodium (Na)	ug/L	490000	27000	100	81000	100	8164722
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	0.050	0.052	0.050	8164722
Dissolved Uranium (U)	ug/L	8.9	3.3	0.10	4.4	0.10	8164722
Dissolved Vanadium (V)	ug/L	3.9	0.58	0.50	0.83	0.50	8164722
Dissolved Zinc (Zn)	ug/L	160	<5.0	5.0	5.6	5.0	8164722

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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

Bureau Veritas Job #: C2M5557
Report Date: 2022/08/18

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON/ PHASE TWO ESA
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TKG391			TKG391			TKG392		
Sampling Date			2022/08/10 12:05			2022/08/10 12:05			2022/08/10 11:10		
COC Number			891860-01-01			891860-01-01			891860-01-01		
	UNITS	Criteria	BH22-1	RDL	QC Batch	BH22-1 Lab-Dup	RDL	QC Batch	BH22-5	RDL	QC Batch
Calculated Parameters											
1,3-Dichloropropene (cis+trans)	ug/L	0.5	<0.50	0.50	8158128				<0.50	0.50	8158128
Volatile Organics											
Acetone (2-Propanone)	ug/L	2700	49	10	8162983	53	10	8162983	<10	10	8162983
Benzene	ug/L	0.5	<0.17	0.17	8162983	<0.17	0.17	8162983	<0.17	0.17	8162983
Bromodichloromethane	ug/L	2	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
Bromoform	ug/L	5.0	<1.0	1.0	8162983	<1.0	1.0	8162983	<1.0	1.0	8162983
Bromomethane	ug/L	0.89	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
Carbon Tetrachloride	ug/L	0.2	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Chlorobenzene	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Chloroform	ug/L	2	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Dibromochloromethane	ug/L	2	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
1,2-Dichlorobenzene	ug/L	0.5	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
1,3-Dichlorobenzene	ug/L	0.5	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
1,4-Dichlorobenzene	ug/L	0.5	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
Dichlorodifluoromethane (FREON 12)	ug/L	590	<1.0	1.0	8162983	<1.0	1.0	8162983	<1.0	1.0	8162983
1,1-Dichloroethane	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
1,2-Dichloroethane	ug/L	0.5	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
1,1-Dichloroethylene	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
cis-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
trans-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
1,2-Dichloropropane	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
cis-1,3-Dichloropropene	ug/L	0.5	<0.30	0.30	8162983	<0.30	0.30	8162983	<0.30	0.30	8162983
trans-1,3-Dichloropropene	ug/L	0.5	<0.40	0.40	8162983	<0.40	0.40	8162983	<0.40	0.40	8162983
Ethylbenzene	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Ethylene Dibromide	ug/L	0.2	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Hexane	ug/L	5	<1.0	1.0	8162983	<1.0	1.0	8162983	<1.0	1.0	8162983
Methylene Chloride(Dichloromethane)	ug/L	5	<2.0	2.0	8162983	<2.0	2.0	8162983	<2.0	2.0	8162983

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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

Bureau Veritas Job #: C2M5557
Report Date: 2022/08/18

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON/ PHASE TWO ESA
Sampler Initials: MC

O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TKG391			TKG391			TKG392		
Sampling Date			2022/08/10 12:05			2022/08/10 12:05			2022/08/10 11:10		
COC Number			891860-01-01			891860-01-01			891860-01-01		
	UNITS	Criteria	BH22-1	RDL	QC Batch	BH22-1 Lab-Dup	RDL	QC Batch	BH22-5	RDL	QC Batch
Methyl Ethyl Ketone (2-Butanone)	ug/L	400	48	10	8162983	52	10	8162983	<10	10	8162983
Methyl Isobutyl Ketone	ug/L	640	<5.0	5.0	8162983	<5.0	5.0	8162983	<5.0	5.0	8162983
Methyl t-butyl ether (MTBE)	ug/L	15	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
Styrene	ug/L	0.5	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
1,1,2,2-Tetrachloroethane	ug/L	0.5	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
Tetrachloroethylene	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Toluene	ug/L	0.8	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
1,1,1-Trichloroethane	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
1,1,2-Trichloroethane	ug/L	0.5	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
Trichloroethylene	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Trichlorofluoromethane (FREON 11)	ug/L	150	<0.50	0.50	8162983	<0.50	0.50	8162983	<0.50	0.50	8162983
Vinyl Chloride	ug/L	0.5	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
p+m-Xylene	ug/L	-	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
o-Xylene	ug/L	-	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
Total Xylenes	ug/L	72	<0.20	0.20	8162983	<0.20	0.20	8162983	<0.20	0.20	8162983
F1 (C6-C10)	ug/L	420	<25	25	8162983	<25	25	8162983	<25	25	8162983
F1 (C6-C10) - BTEX	ug/L	420	<25	25	8162983	<25	25	8162983	<25	25	8162983
F2-F4 Hydrocarbons											
F2 (C10-C16 Hydrocarbons)	ug/L	150	<100	100	8163495				<100	100	8163495
F3 (C16-C34 Hydrocarbons)	ug/L	500	290	200	8163495				<200	200	8163495
F4 (C34-C50 Hydrocarbons)	ug/L	500	<200	200	8163495				<200	200	8163495
Reached Baseline at C50	ug/L	-	Yes		8163495				Yes		8163495
Surrogate Recovery (%)											
o-Terphenyl	%	-	92		8163495				88		8163495
4-Bromofluorobenzene	%	-	94		8162983	93		8162983	92		8162983
D4-1,2-Dichloroethane	%	-	104		8162983	104		8162983	103		8162983
D8-Toluene	%	-	95		8162983	94		8162983	96		8162983

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TKG393		
Sampling Date			2022/08/10		
COC Number			891860-01-01		
	UNITS	Criteria	TRIP BLANK	RDL	QC Batch
Calculated Parameters					
1,3-Dichloropropene (cis+trans)	ug/L	0.5	<0.50	0.50	8158128
Volatile Organics					
Acetone (2-Propanone)	ug/L	2700	<10	10	8162983
Benzene	ug/L	0.5	<0.17	0.17	8162983
Bromodichloromethane	ug/L	2	<0.50	0.50	8162983
Bromoform	ug/L	5.0	<1.0	1.0	8162983
Bromomethane	ug/L	0.89	<0.50	0.50	8162983
Carbon Tetrachloride	ug/L	0.2	<0.20	0.20	8162983
Chlorobenzene	ug/L	0.5	<0.20	0.20	8162983
Chloroform	ug/L	2	<0.20	0.20	8162983
Dibromochloromethane	ug/L	2	<0.50	0.50	8162983
1,2-Dichlorobenzene	ug/L	0.5	<0.50	0.50	8162983
1,3-Dichlorobenzene	ug/L	0.5	<0.50	0.50	8162983
1,4-Dichlorobenzene	ug/L	0.5	<0.50	0.50	8162983
Dichlorodifluoromethane (FREON 12)	ug/L	590	<1.0	1.0	8162983
1,1-Dichloroethane	ug/L	0.5	<0.20	0.20	8162983
1,2-Dichloroethane	ug/L	0.5	<0.50	0.50	8162983
1,1-Dichloroethylene	ug/L	0.5	<0.20	0.20	8162983
cis-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8162983
trans-1,2-Dichloroethylene	ug/L	1.6	<0.50	0.50	8162983
1,2-Dichloropropane	ug/L	0.5	<0.20	0.20	8162983
cis-1,3-Dichloropropene	ug/L	0.5	<0.30	0.30	8162983
trans-1,3-Dichloropropene	ug/L	0.5	<0.40	0.40	8162983
Ethylbenzene	ug/L	0.5	<0.20	0.20	8162983
Ethylene Dibromide	ug/L	0.2	<0.20	0.20	8162983
Hexane	ug/L	5	<1.0	1.0	8162983
Methylene Chloride(Dichloromethane)	ug/L	5	<2.0	2.0	8162983
Methyl Ethyl Ketone (2-Butanone)	ug/L	400	<10	10	8162983

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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O.REG 153 VOCS BY HS & F1-F4 (WATER)

Bureau Veritas ID			TKG393		
Sampling Date			2022/08/10		
COC Number			891860-01-01		
	UNITS	Criteria	TRIP BLANK	RDL	QC Batch
Methyl Isobutyl Ketone	ug/L	640	<5.0	5.0	8162983
Methyl t-butyl ether (MTBE)	ug/L	15	<0.50	0.50	8162983
Styrene	ug/L	0.5	<0.50	0.50	8162983
1,1,1,2-Tetrachloroethane	ug/L	1.1	<0.50	0.50	8162983
1,1,2,2-Tetrachloroethane	ug/L	0.5	<0.50	0.50	8162983
Tetrachloroethylene	ug/L	0.5	<0.20	0.20	8162983
Toluene	ug/L	0.8	<0.20	0.20	8162983
1,1,1-Trichloroethane	ug/L	0.5	<0.20	0.20	8162983
1,1,2-Trichloroethane	ug/L	0.5	<0.50	0.50	8162983
Trichloroethylene	ug/L	0.5	<0.20	0.20	8162983
Trichlorofluoromethane (FREON 11)	ug/L	150	<0.50	0.50	8162983
Vinyl Chloride	ug/L	0.5	<0.20	0.20	8162983
p+m-Xylene	ug/L	-	<0.20	0.20	8162983
o-Xylene	ug/L	-	<0.20	0.20	8162983
Total Xylenes	ug/L	72	<0.20	0.20	8162983
F1 (C6-C10)	ug/L	420	<25	25	8162983
F1 (C6-C10) - BTEX	ug/L	420	<25	25	8162983
Surrogate Recovery (%)					
4-Bromofluorobenzene	%	-	93		8162983
D4-1,2-Dichloroethane	%	-	105		8162983
D8-Toluene	%	-	95		8162983

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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

Bureau Veritas Job #: C2M5557
Report Date: 2022/08/18

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON/ PHASE TWO ESA
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: TKG391
Sample ID: BH22-1
Matrix: Water

Collected: 2022/08/10
Shipped:
Received: 2022/08/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8158128	N/A	2022/08/16	Automated Statchk
Chloride by Automated Colourimetry	KONE	8163532	N/A	2022/08/15	Alina Dobreanu
Chromium (VI) in Water	IC	8163511	N/A	2022/08/12	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8162403	N/A	2022/08/12	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8163495	2022/08/12	2022/08/15	Dennis Ngondu
Mercury	CV/AA	8163383	2022/08/12	2022/08/12	Japneet Gill
Dissolved Metals by ICPMS	ICP/MS	8164722	N/A	2022/08/17	Azita Fazaeli
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8162983	N/A	2022/08/15	Jett Wu

Bureau Veritas ID: TKG391 Dup
Sample ID: BH22-1
Matrix: Water

Collected: 2022/08/10
Shipped:
Received: 2022/08/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8162983	N/A	2022/08/15	Jett Wu

Bureau Veritas ID: TKG392
Sample ID: BH22-5
Matrix: Water

Collected: 2022/08/10
Shipped:
Received: 2022/08/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8158128	N/A	2022/08/16	Automated Statchk
Chloride by Automated Colourimetry	KONE	8163532	N/A	2022/08/15	Alina Dobreanu
Chromium (VI) in Water	IC	8163511	N/A	2022/08/12	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8162403	N/A	2022/08/12	Prgya Panchal
Petroleum Hydrocarbons F2-F4 in Water	GC/FID	8163495	2022/08/12	2022/08/15	Dennis Ngondu
Mercury	CV/AA	8163383	2022/08/12	2022/08/12	Japneet Gill
Dissolved Metals by ICPMS	ICP/MS	8164722	N/A	2022/08/17	Azita Fazaeli
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8162983	N/A	2022/08/15	Jett Wu

Bureau Veritas ID: TKG393
Sample ID: TRIP BLANK
Matrix: Water

Collected: 2022/08/10
Shipped:
Received: 2022/08/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
1,3-Dichloropropene Sum	CALC	8158128	N/A	2022/08/16	Automated Statchk
Volatile Organic Compounds and F1 PHCs	GC/MSFD	8162983	N/A	2022/08/15	Jett Wu

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

GENERAL COMMENTS

Results relate only to the items tested.

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

QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8162983	4-Bromofluorobenzene	2022/08/15	100	70 - 130	99	70 - 130	95	%		
8162983	D4-1,2-Dichloroethane	2022/08/15	104	70 - 130	100	70 - 130	102	%		
8162983	D8-Toluene	2022/08/15	102	70 - 130	105	70 - 130	95	%		
8163495	o-Terphenyl	2022/08/15	88	60 - 130	92	60 - 130	89	%		
8162403	WAD Cyanide (Free)	2022/08/12	94	80 - 120	91	80 - 120	<1	ug/L	0	20
8162983	1,1,1,2-Tetrachloroethane	2022/08/15	92	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
8162983	1,1,1-Trichloroethane	2022/08/15	93	70 - 130	98	70 - 130	<0.20	ug/L	NC	30
8162983	1,1,2,2-Tetrachloroethane	2022/08/15	82	70 - 130	85	70 - 130	<0.50	ug/L	NC	30
8162983	1,1,2-Trichloroethane	2022/08/15	92	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8162983	1,1-Dichloroethane	2022/08/15	84	70 - 130	87	70 - 130	<0.20	ug/L	NC	30
8162983	1,1-Dichloroethylene	2022/08/15	89	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8162983	1,2-Dichlorobenzene	2022/08/15	91	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8162983	1,2-Dichloroethane	2022/08/15	90	70 - 130	90	70 - 130	<0.50	ug/L	NC	30
8162983	1,2-Dichloropropane	2022/08/15	87	70 - 130	89	70 - 130	<0.20	ug/L	NC	30
8162983	1,3-Dichlorobenzene	2022/08/15	94	70 - 130	100	70 - 130	<0.50	ug/L	NC	30
8162983	1,4-Dichlorobenzene	2022/08/15	111	70 - 130	118	70 - 130	<0.50	ug/L	NC	30
8162983	Acetone (2-Propanone)	2022/08/15	94	60 - 140	92	60 - 140	<10	ug/L	8.4	30
8162983	Benzene	2022/08/15	80	70 - 130	83	70 - 130	<0.17	ug/L	NC	30
8162983	Bromodichloromethane	2022/08/15	94	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8162983	Bromoform	2022/08/15	88	70 - 130	93	70 - 130	<1.0	ug/L	NC	30
8162983	Bromomethane	2022/08/15	82	60 - 140	80	60 - 140	<0.50	ug/L	NC	30
8162983	Carbon Tetrachloride	2022/08/15	93	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8162983	Chlorobenzene	2022/08/15	91	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8162983	Chloroform	2022/08/15	87	70 - 130	90	70 - 130	<0.20	ug/L	NC	30
8162983	cis-1,2-Dichloroethylene	2022/08/15	89	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
8162983	cis-1,3-Dichloropropene	2022/08/15	90	70 - 130	88	70 - 130	<0.30	ug/L	NC	30
8162983	Dibromochloromethane	2022/08/15	87	70 - 130	91	70 - 130	<0.50	ug/L	NC	30
8162983	Dichlorodifluoromethane (FREON 12)	2022/08/15	96	60 - 140	98	60 - 140	<1.0	ug/L	NC	30
8162983	Ethylbenzene	2022/08/15	85	70 - 130	92	70 - 130	<0.20	ug/L	NC	30
8162983	Ethylene Dibromide	2022/08/15	85	70 - 130	87	70 - 130	<0.20	ug/L	NC	30
8162983	F1 (C6-C10) - BTEX	2022/08/15					<25	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8162983	F1 (C6-C10)	2022/08/15	93	60 - 140	95	60 - 140	<25	ug/L	NC	30
8162983	Hexane	2022/08/15	90	70 - 130	96	70 - 130	<1.0	ug/L	NC	30
8162983	Methyl Ethyl Ketone (2-Butanone)	2022/08/15	92	60 - 140	90	60 - 140	<10	ug/L	8.5	30
8162983	Methyl Isobutyl Ketone	2022/08/15	95	70 - 130	96	70 - 130	<5.0	ug/L	NC	30
8162983	Methyl t-butyl ether (MTBE)	2022/08/15	81	70 - 130	84	70 - 130	<0.50	ug/L	NC	30
8162983	Methylene Chloride(Dichloromethane)	2022/08/15	83	70 - 130	84	70 - 130	<2.0	ug/L	NC	30
8162983	o-Xylene	2022/08/15	88	70 - 130	95	70 - 130	<0.20	ug/L	NC	30
8162983	p+m-Xylene	2022/08/15	89	70 - 130	97	70 - 130	<0.20	ug/L	NC	30
8162983	Styrene	2022/08/15	95	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
8162983	Tetrachloroethylene	2022/08/15	81	70 - 130	88	70 - 130	<0.20	ug/L	NC	30
8162983	Toluene	2022/08/15	89	70 - 130	96	70 - 130	<0.20	ug/L	NC	30
8162983	Total Xylenes	2022/08/15					<0.20	ug/L	NC	30
8162983	trans-1,2-Dichloroethylene	2022/08/15	86	70 - 130	91	70 - 130	<0.50	ug/L	NC	30
8162983	trans-1,3-Dichloropropene	2022/08/15	96	70 - 130	93	70 - 130	<0.40	ug/L	NC	30
8162983	Trichloroethylene	2022/08/15	94	70 - 130	99	70 - 130	<0.20	ug/L	NC	30
8162983	Trichlorofluoromethane (FREON 11)	2022/08/15	91	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8162983	Vinyl Chloride	2022/08/15	76	70 - 130	79	70 - 130	<0.20	ug/L	NC	30
8163383	Mercury (Hg)	2022/08/12	94	75 - 125	88	80 - 120	<0.10	ug/L	NC	20
8163495	F2 (C10-C16 Hydrocarbons)	2022/08/15	89	60 - 130	93	60 - 130	<100	ug/L	NC	30
8163495	F3 (C16-C34 Hydrocarbons)	2022/08/15	86	60 - 130	92	60 - 130	<200	ug/L	NC	30
8163495	F4 (C34-C50 Hydrocarbons)	2022/08/15	86	60 - 130	88	60 - 130	<200	ug/L	NC	30
8163511	Chromium (VI)	2022/08/12	104	80 - 120	104	80 - 120	<0.50	ug/L	0.19	20
8163532	Dissolved Chloride (Cl-)	2022/08/15	NC	80 - 120	103	80 - 120	<1.0	mg/L	0.19	20
8164722	Dissolved Antimony (Sb)	2022/08/16	105	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
8164722	Dissolved Arsenic (As)	2022/08/16	105	80 - 120	97	80 - 120	<1.0	ug/L	5.8	20
8164722	Dissolved Barium (Ba)	2022/08/16	101	80 - 120	105	80 - 120	<2.0	ug/L	2.9	20
8164722	Dissolved Beryllium (Be)	2022/08/16	99	80 - 120	99	80 - 120	<0.40	ug/L	NC	20
8164722	Dissolved Boron (B)	2022/08/16	100	80 - 120	101	80 - 120	<10	ug/L	2.5	20
8164722	Dissolved Cadmium (Cd)	2022/08/16	101	80 - 120	100	80 - 120	<0.090	ug/L	NC	20
8164722	Dissolved Chromium (Cr)	2022/08/16	97	80 - 120	97	80 - 120	<5.0	ug/L	NC	20
8164722	Dissolved Cobalt (Co)	2022/08/16	98	80 - 120	97	80 - 120	<0.50	ug/L	NC	20

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8164722	Dissolved Copper (Cu)	2022/08/16	100	80 - 120	99	80 - 120	<0.90	ug/L	7.9	20
8164722	Dissolved Lead (Pb)	2022/08/16	99	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
8164722	Dissolved Molybdenum (Mo)	2022/08/16	106	80 - 120	101	80 - 120	<0.50	ug/L	3.4	20
8164722	Dissolved Nickel (Ni)	2022/08/16	96	80 - 120	99	80 - 120	<1.0	ug/L	0.096	20
8164722	Dissolved Selenium (Se)	2022/08/16	102	80 - 120	98	80 - 120	<2.0	ug/L	NC	20
8164722	Dissolved Silver (Ag)	2022/08/16	48 (1)	80 - 120	102	80 - 120	<0.090	ug/L	NC	20
8164722	Dissolved Sodium (Na)	2022/08/16	NC	80 - 120	98	80 - 120	<100	ug/L	0.42	20
8164722	Dissolved Thallium (Tl)	2022/08/16	100	80 - 120	100	80 - 120	<0.050	ug/L	NC	20
8164722	Dissolved Uranium (U)	2022/08/16	93	80 - 120	92	80 - 120	<0.10	ug/L	NC	20
8164722	Dissolved Vanadium (V)	2022/08/16	100	80 - 120	98	80 - 120	<0.50	ug/L	0.62	20
8164722	Dissolved Zinc (Zn)	2022/08/16	98	80 - 120	97	80 - 120	<5.0	ug/L	NC	20

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

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

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

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

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

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

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

(1) Matrix Spike exceeds accaeptance limits, probable matrix interference.

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Bureau Veritas Job #: C2M5557
Report Date: 2022/08/18

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON/ PHASE TWO ESA
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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

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

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

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10-Aug-22 13:35
Ashton Gibson
C2M5557
AJH ENV-1569

Page of

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:			
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:		Quotation #:	C20578	Bottle Order #:	891860
Attention:	Accounts Payable	Attention:		P.O. #:			
Address:	40-6415 Northwest Drive Mississauga ON L4V 1X1	Address:		Project:	Phase Two ESA		
			437 219 7301	Project Name:	6728 Sixth Line, Milton	COC #:	Project Manager:
Tel:	(905) 659-9456 Fax:	Tel:	mcaluori@envisionconsultants.ca	Site #:	22-6209	C#891860-01-01	Ashton Gibson
Email:	payables@envisionconsultants.ca; jhoyles@envisionco	Email:	slundrigan@envisionconsultants.ca	Sampled By:	MC		

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

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

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O.Reg 153 Metals & Inorganics Pkg (Wtr)	O.Reg 153 VOCs by HS & F1-F4	O.Reg 153 PAHs	PHCs (F1 - F4)							# of Bottles	Comments
1	BH22-1		08/10/22	12:05	GW	✓	X	X		X							10	
2	BH22-5		↓	11:10	↓	✓	X	X		X							10	
3	Trip Blank		-	-				X									2	
4																		
5																		
6																		
7																		
8																		
9																		
10																		

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

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

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

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Mauor	22/08/10		Isabel/ISABEL	2022/08/10	13:35	

Laboratory Use Only

Time Sensitive	Temperature (°C) on Recei	Custody Seal Present	Yes	No
	25 24 20	Intact	✓	

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

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

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

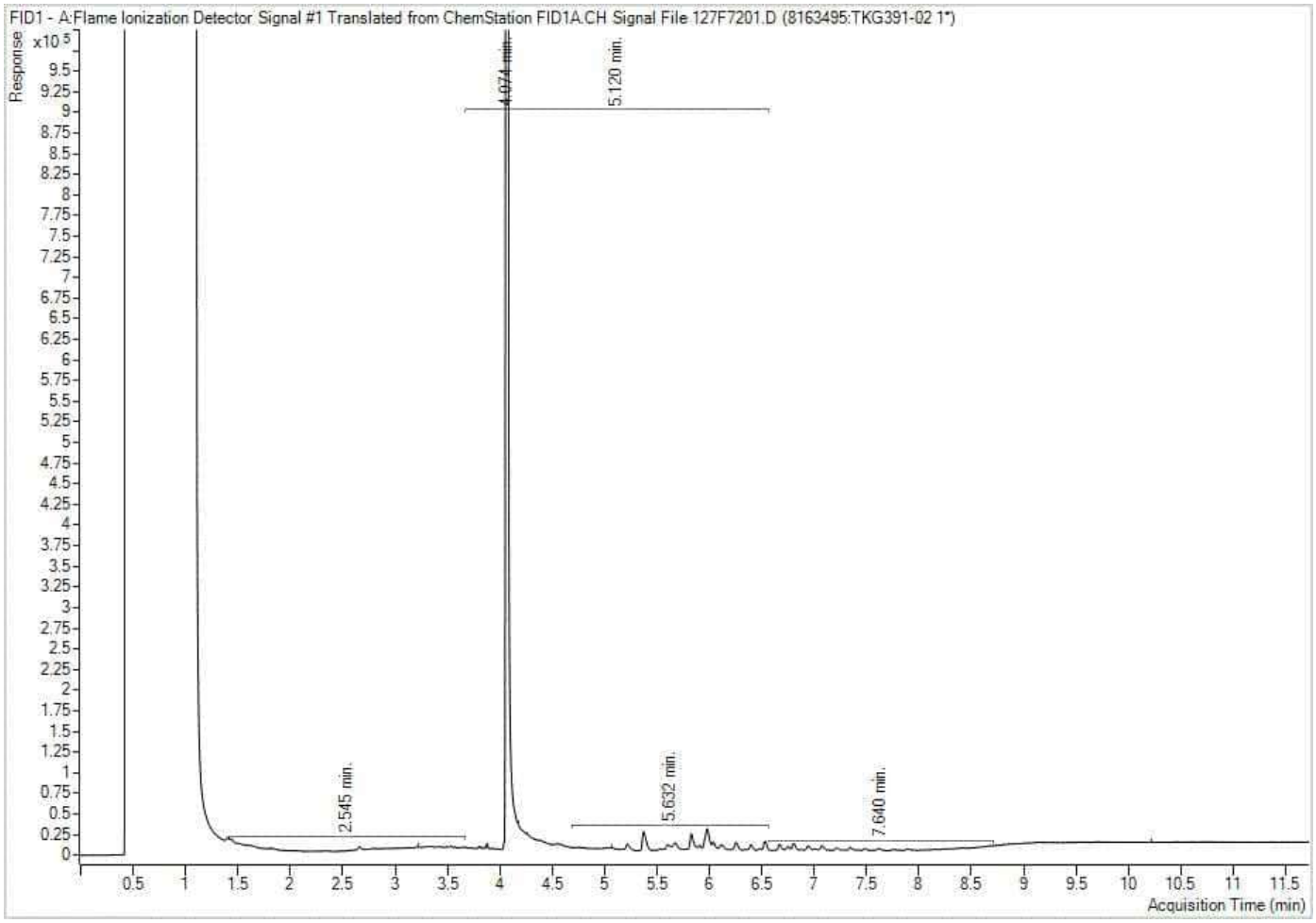
SAMPLES MUST BE KEPT COOL (< 10° C) FROM TIME OF SAMPLING UNTIL DELIVERY TO BUREAU VERITAS

White: Bureau Veritas Yellow: Client

on ice

Bureau Veritas Canada (2019) Inc.

Petroleum Hydrocarbons F2-F4 in Water Chromatogram

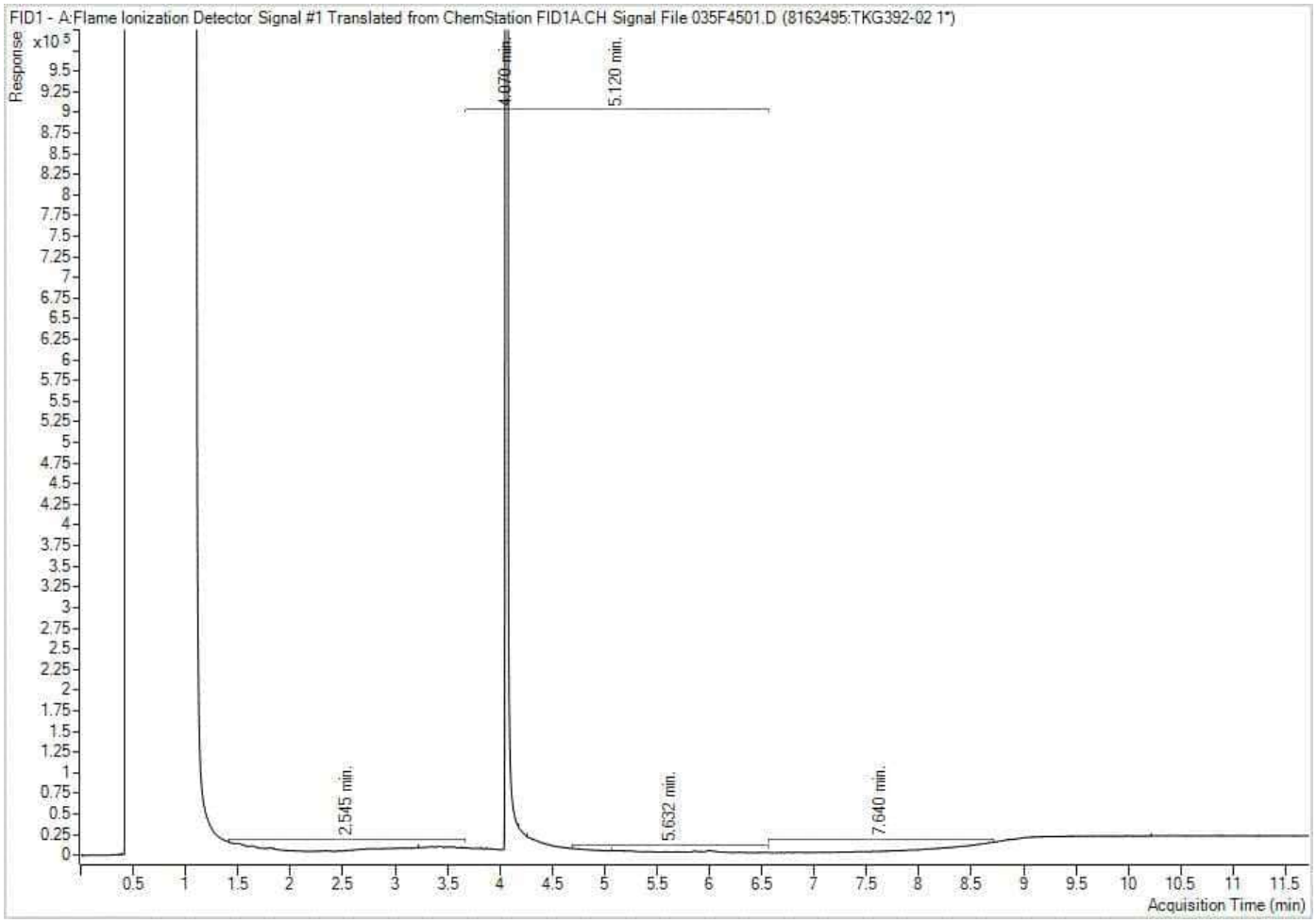


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Bureau Veritas Job #: C2M5557
Report Date: 2022/08/18
Bureau Veritas Sample: TKG392

EnVision Consultants Ltd.
Client Project #: 22-0209
Project name: 6728 SIXTH LINE, MILTON/ PHASE TWO ESA
Client ID: BH22-5

Petroleum Hydrocarbons F2-F4 in Water Chromatogram



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

Exceedance Summary Table – Reg153/04 T1-GW

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
BH22-5	TKG392-04	Dissolved Copper (Cu)	5	6.8	0.90	ug/L
BH22-5	TKG392-04	Dissolved Molybdenum (Mo)	23	30	0.50	ug/L

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

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Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Your C.O.C. #: n/a

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/10/20
Report #: R7871516
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3W1067
Received: 2023/10/16, 13:42

Sample Matrix: Water
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Chloride by Automated Colourimetry	5	N/A	2023/10/18	CAM SOP-00463	SM 23 4500-Cl E m
Chromium (VI) in Water	5	N/A	2023/10/17	CAM SOP-00436	EPA 7199 m
Free (WAD) Cyanide	5	N/A	2023/10/17	CAM SOP-00457	OMOE E3015 m
Mercury	5	2023/10/19	2023/10/20	CAM SOP-00453	EPA 7470A m
Dissolved Metals by ICPMS	2	N/A	2023/10/18	CAM SOP-00447	EPA 6020B m
Dissolved Metals by ICPMS	3	N/A	2023/10/19	CAM SOP-00447	EPA 6020B m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Your C.O.C. #: n/a

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/10/20
Report #: R7871516
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3W1067
Received: 2023/10/16, 13:42

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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

Bureau Veritas Job #: C3W1067
Report Date: 2023/10/20

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID			XHN337			XHN337			XHN338		
Sampling Date			2023/10/16			2023/10/16			2023/10/16		
COC Number			n/a			n/a			n/a		
	UNITS	Criteria	BH23-1	RDL	QC Batch	BH23-1 Lab-Dup	RDL	QC Batch	BH23-3	RDL	QC Batch
Inorganics											
WAD Cyanide (Free)	ug/L	5	<1	1	8985026				<1	1	8985026
Dissolved Chloride (Cl-)	mg/L	790	43	1.0	8987443				120	1.0	8987443
Metals											
Chromium (VI)	ug/L	25	<0.50	0.50	8986251	<0.50	0.50	8986251	<0.50	0.50	8986251
Mercury (Hg)	ug/L	0.1	<0.10	0.10	8991830				<0.10	0.10	8991830
Dissolved Antimony (Sb)	ug/L	1.5	**1.8**	0.50	8990667				<0.50	0.50	8988436
Dissolved Arsenic (As)	ug/L	13	5.9	1.0	8990667				8.7	1.0	8988436
Dissolved Barium (Ba)	ug/L	610	47	2.0	8990667				45	2.0	8988436
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	0.40	8990667				<0.40	0.40	8988436
Dissolved Boron (B)	ug/L	1700	390	10	8990667				670	10	8988436
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	0.090	8990667				<0.090	0.090	8988436
Dissolved Chromium (Cr)	ug/L	11	<5.0	5.0	8990667				<5.0	5.0	8988436
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	8990667				<0.50	0.50	8988436
Dissolved Copper (Cu)	ug/L	5	<0.90	0.90	8990667				<0.90	0.90	8988436
Dissolved Lead (Pb)	ug/L	1.9	<0.50	0.50	8990667				<0.50	0.50	8988436
Dissolved Molybdenum (Mo)	ug/L	23	**29**	0.50	8990667				5.5	0.50	8988436
Dissolved Nickel (Ni)	ug/L	14	<1.0	1.0	8990667				<1.0	1.0	8988436
Dissolved Selenium (Se)	ug/L	5	<2.0	2.0	8990667				<2.0	2.0	8988436
Dissolved Silver (Ag)	ug/L	0.3	<0.090	0.090	8990667				<0.090	0.090	8988436
Dissolved Sodium (Na)	ug/L	490000	81000	100	8990667				88000	100	8988436
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	0.050	8990667				<0.050	0.050	8988436
Dissolved Uranium (U)	ug/L	8.9	4.6	0.10	8990667				0.59	0.10	8988436
Dissolved Vanadium (V)	ug/L	3.9	<0.50	0.50	8990667				<0.50	0.50	8988436
Dissolved Zinc (Zn)	ug/L	160	<5.0	5.0	8990667				<5.0	5.0	8988436

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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Bureau Veritas Job #: C3W1067
Report Date: 2023/10/20

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID			XHN339		XHN340			XHN341		
Sampling Date			2023/10/16		2023/10/16			2023/10/16		
COC Number			n/a		n/a			n/a		
	UNITS	Criteria	MW18-1A	RDL	MW18-1B	RDL	QC Batch	GW23-1	RDL	QC Batch
Inorganics										
WAD Cyanide (Free)	ug/L	5	<1	1	<1	1	8985026	<1	1	8985026
Dissolved Chloride (Cl-)	mg/L	790	62	1.0	**1400**	25	8987443	61	1.0	8987443
Metals										
Chromium (VI)	ug/L	25	<0.50	0.50	<0.50	0.50	8986251	<0.50	0.50	8986251
Mercury (Hg)	ug/L	0.1	<0.10	0.10	<0.10	0.10	8991830	<0.10	0.10	8991830
Dissolved Antimony (Sb)	ug/L	1.5	<0.50	0.50	<0.50	0.50	8990667	<0.50	0.50	8988436
Dissolved Arsenic (As)	ug/L	13	5.3	1.0	1.6	1.0	8990667	6.5	1.0	8988436
Dissolved Barium (Ba)	ug/L	610	65	2.0	48	2.0	8990667	67	2.0	8988436
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	0.40	<0.40	0.40	8990667	<0.40	0.40	8988436
Dissolved Boron (B)	ug/L	1700	480	10	**2100**	10	8990667	480	10	8988436
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	0.090	<0.090	0.090	8990667	<0.090	0.090	8988436
Dissolved Chromium (Cr)	ug/L	11	<5.0	5.0	<5.0	5.0	8990667	<5.0	5.0	8988436
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	<0.50	0.50	8990667	<0.50	0.50	8988436
Dissolved Copper (Cu)	ug/L	5	0.94	0.90	<0.90	0.90	8990667	<0.90	0.90	8988436
Dissolved Lead (Pb)	ug/L	1.9	<0.50	0.50	<0.50	0.50	8990667	<0.50	0.50	8988436
Dissolved Molybdenum (Mo)	ug/L	23	6.0	0.50	**30**	0.50	8990667	6.1	0.50	8988436
Dissolved Nickel (Ni)	ug/L	14	<1.0	1.0	<1.0	1.0	8990667	<1.0	1.0	8988436
Dissolved Selenium (Se)	ug/L	5	<2.0	2.0	<2.0	2.0	8990667	<2.0	2.0	8988436
Dissolved Silver (Ag)	ug/L	0.3	<0.090	0.090	<0.090	0.090	8990667	<0.090	0.090	8988436
Dissolved Sodium (Na)	ug/L	490000	56000	100	**650000**	500	8990667	56000	100	8988436
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	0.050	<0.050	0.050	8990667	<0.050	0.050	8988436
Dissolved Uranium (U)	ug/L	8.9	0.79	0.10	0.83	0.10	8990667	0.73	0.10	8988436
Dissolved Vanadium (V)	ug/L	3.9	0.59	0.50	<0.50	0.50	8990667	0.61	0.50	8988436
Dissolved Zinc (Zn)	ug/L	160	<5.0	5.0	<5.0	5.0	8990667	<5.0	5.0	8988436

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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

Bureau Veritas Job #: C3W1067
Report Date: 2023/10/20

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

O.REG 153 METALS & INORGANICS PKG (WTR)

Bureau Veritas ID			XHN341		
Sampling Date			2023/10/16		
COC Number			n/a		
	UNITS	Criteria	GW23-1 Lab-Dup	RDL	QC Batch
Inorganics					
Dissolved Chloride (Cl-)	mg/L	790	61	1.0	8987443

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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

Bureau Veritas Job #: C3W1067
Report Date: 2023/10/20

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

TEST SUMMARY

Bureau Veritas ID: XHN337
Sample ID: BH23-1
Matrix: Water

Collected: 2023/10/16
Shipped:
Received: 2023/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8987443	N/A	2023/10/18	Massarat Jan
Chromium (VI) in Water	IC	8986251	N/A	2023/10/17	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8985026	N/A	2023/10/17	Prgya Panchal
Mercury	CV/AA	8991830	2023/10/19	2023/10/20	Gagandeep Rai
Dissolved Metals by ICPMS	ICP/MS	8990667	N/A	2023/10/19	Nan Raykha

Bureau Veritas ID: XHN337 Dup
Sample ID: BH23-1
Matrix: Water

Collected: 2023/10/16
Shipped:
Received: 2023/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chromium (VI) in Water	IC	8986251	N/A	2023/10/17	Theodora Luck

Bureau Veritas ID: XHN338
Sample ID: BH23-3
Matrix: Water

Collected: 2023/10/16
Shipped:
Received: 2023/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8987443	N/A	2023/10/18	Massarat Jan
Chromium (VI) in Water	IC	8986251	N/A	2023/10/17	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8985026	N/A	2023/10/17	Prgya Panchal
Mercury	CV/AA	8991830	2023/10/19	2023/10/20	Gagandeep Rai
Dissolved Metals by ICPMS	ICP/MS	8988436	N/A	2023/10/18	Nan Raykha

Bureau Veritas ID: XHN339
Sample ID: MW18-1A
Matrix: Water

Collected: 2023/10/16
Shipped:
Received: 2023/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8987443	N/A	2023/10/18	Massarat Jan
Chromium (VI) in Water	IC	8986251	N/A	2023/10/17	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8985026	N/A	2023/10/17	Prgya Panchal
Mercury	CV/AA	8991830	2023/10/19	2023/10/20	Gagandeep Rai
Dissolved Metals by ICPMS	ICP/MS	8990667	N/A	2023/10/19	Nan Raykha

Bureau Veritas ID: XHN340
Sample ID: MW18-1B
Matrix: Water

Collected: 2023/10/16
Shipped:
Received: 2023/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8987443	N/A	2023/10/18	Massarat Jan
Chromium (VI) in Water	IC	8986251	N/A	2023/10/17	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8985026	N/A	2023/10/17	Prgya Panchal
Mercury	CV/AA	8991830	2023/10/19	2023/10/20	Gagandeep Rai
Dissolved Metals by ICPMS	ICP/MS	8990667	N/A	2023/10/19	Nan Raykha

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Bureau Veritas Job #: C3W1067
Report Date: 2023/10/20

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

TEST SUMMARY

Bureau Veritas ID: XHN341
Sample ID: GW23-1
Matrix: Water

Collected: 2023/10/16
Shipped:
Received: 2023/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8987443	N/A	2023/10/18	Massarat Jan
Chromium (VI) in Water	IC	8986251	N/A	2023/10/17	Theodora Luck
Free (WAD) Cyanide	SKAL/CN	8985026	N/A	2023/10/17	Prgya Panchal
Mercury	CV/AA	8991830	2023/10/19	2023/10/20	Gagandeep Rai
Dissolved Metals by ICPMS	ICP/MS	8988436	N/A	2023/10/18	Nan Raykha

Bureau Veritas ID: XHN341 Dup
Sample ID: GW23-1
Matrix: Water

Collected: 2023/10/16
Shipped:
Received: 2023/10/16

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Chloride by Automated Colourimetry	KONE	8987443	N/A	2023/10/18	Massarat Jan

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GENERAL COMMENTS

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8985026	WAD Cyanide (Free)	2023/10/17	93	80 - 120	93	80 - 120	<1	ug/L	NC	20
8986251	Chromium (VI)	2023/10/17	104	80 - 120	104	80 - 120	<0.50	ug/L	NC	20
8987443	Dissolved Chloride (Cl-)	2023/10/18	NC	80 - 120	99	80 - 120	<1.0	mg/L	0.26	20
8988436	Dissolved Antimony (Sb)	2023/10/18	109	80 - 120	107	80 - 120	<0.50	ug/L		
8988436	Dissolved Arsenic (As)	2023/10/18	101	80 - 120	104	80 - 120	<1.0	ug/L		
8988436	Dissolved Barium (Ba)	2023/10/18	105	80 - 120	103	80 - 120	<2.0	ug/L		
8988436	Dissolved Beryllium (Be)	2023/10/18	103	80 - 120	103	80 - 120	<0.40	ug/L		
8988436	Dissolved Boron (B)	2023/10/18	101	80 - 120	98	80 - 120	<10	ug/L		
8988436	Dissolved Cadmium (Cd)	2023/10/18	104	80 - 120	102	80 - 120	<0.090	ug/L		
8988436	Dissolved Chromium (Cr)	2023/10/18	96	80 - 120	100	80 - 120	<5.0	ug/L	NC	20
8988436	Dissolved Cobalt (Co)	2023/10/18	98	80 - 120	100	80 - 120	<0.50	ug/L		
8988436	Dissolved Copper (Cu)	2023/10/18	103	80 - 120	100	80 - 120	<0.90	ug/L		
8988436	Dissolved Lead (Pb)	2023/10/18	104	80 - 120	104	80 - 120	<0.50	ug/L		
8988436	Dissolved Molybdenum (Mo)	2023/10/18	108	80 - 120	106	80 - 120	<0.50	ug/L		
8988436	Dissolved Nickel (Ni)	2023/10/18	94	80 - 120	96	80 - 120	<1.0	ug/L		
8988436	Dissolved Selenium (Se)	2023/10/18	102	80 - 120	102	80 - 120	<2.0	ug/L		
8988436	Dissolved Silver (Ag)	2023/10/18	106	80 - 120	103	80 - 120	<0.090	ug/L		
8988436	Dissolved Sodium (Na)	2023/10/18	100	80 - 120	102	80 - 120	<100	ug/L		
8988436	Dissolved Thallium (Tl)	2023/10/18	106	80 - 120	105	80 - 120	<0.050	ug/L		
8988436	Dissolved Uranium (U)	2023/10/18	102	80 - 120	102	80 - 120	<0.10	ug/L		
8988436	Dissolved Vanadium (V)	2023/10/18	96	80 - 120	98	80 - 120	<0.50	ug/L		
8988436	Dissolved Zinc (Zn)	2023/10/18	97	80 - 120	98	80 - 120	<5.0	ug/L		
8990667	Dissolved Antimony (Sb)	2023/10/19	108	80 - 120	105	80 - 120	<0.50	ug/L		
8990667	Dissolved Arsenic (As)	2023/10/19	100	80 - 120	99	80 - 120	<1.0	ug/L	1.4	20
8990667	Dissolved Barium (Ba)	2023/10/19	102	80 - 120	103	80 - 120	<2.0	ug/L	0.034	20
8990667	Dissolved Beryllium (Be)	2023/10/19	105	80 - 120	103	80 - 120	<0.40	ug/L		
8990667	Dissolved Boron (B)	2023/10/19	97	80 - 120	101	80 - 120	<10	ug/L	2.9	20
8990667	Dissolved Cadmium (Cd)	2023/10/19	103	80 - 120	102	80 - 120	<0.090	ug/L	NC	20
8990667	Dissolved Chromium (Cr)	2023/10/19	102	80 - 120	102	80 - 120	<5.0	ug/L	NC	20
8990667	Dissolved Cobalt (Co)	2023/10/19	102	80 - 120	101	80 - 120	<0.50	ug/L		
8990667	Dissolved Copper (Cu)	2023/10/19	103	80 - 120	101	80 - 120	<0.90	ug/L	2.3	20

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8990667	Dissolved Lead (Pb)	2023/10/19	103	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
8990667	Dissolved Molybdenum (Mo)	2023/10/19	109	80 - 120	105	80 - 120	<0.50	ug/L		
8990667	Dissolved Nickel (Ni)	2023/10/19	98	80 - 120	98	80 - 120	<1.0	ug/L		
8990667	Dissolved Selenium (Se)	2023/10/19	98	80 - 120	98	80 - 120	<2.0	ug/L		
8990667	Dissolved Silver (Ag)	2023/10/19	107	80 - 120	105	80 - 120	<0.090	ug/L		
8990667	Dissolved Sodium (Na)	2023/10/19	100	80 - 120	101	80 - 120	<100	ug/L	1.8	20
8990667	Dissolved Thallium (Tl)	2023/10/19	103	80 - 120	100	80 - 120	<0.050	ug/L		
8990667	Dissolved Uranium (U)	2023/10/19	105	80 - 120	102	80 - 120	<0.10	ug/L		
8990667	Dissolved Vanadium (V)	2023/10/19	101	80 - 120	101	80 - 120	<0.50	ug/L		
8990667	Dissolved Zinc (Zn)	2023/10/19	102	80 - 120	100	80 - 120	<5.0	ug/L	NC	20
8991830	Mercury (Hg)	2023/10/20	106	75 - 125	110	80 - 120	<0.10	ug/L	NC	20

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

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

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

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

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

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

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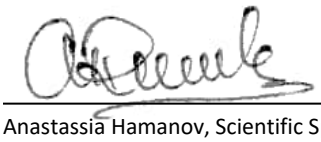
Bureau Veritas Job #: C3W1067
Report Date: 2023/10/20

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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

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Page | of |

CHAIN OF CUSTODY RECORD

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:		Laboratory Use Only:	
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:	Envision Consultants Ltd.	Quotation #:	C25646	Bureau Veritas Job #:	Bottle Order #:
Attention:	Accounts Payable	Attention:	Maryanne Calvert	P.O. #:			959565
Address:	40-6415 Northwest Drive	Address:		Project:	22-0209	COC #:	Project Manager:
	Mississauga ON L4V 1X1			Project Name:	6728 Sixth Line, Milton	C#959565-01-01	Ashton Gibson
Tel:	(888) 597-6083 Fax:	Tel:	905 515 1340 Fax:	Site #:			
Email:	payables@envisionconsultants.ca	Email:	maryanne@envisionconsultants.ca	Sampled By:	RA/RK		

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

Regulation 153 (2011)
- [X] Table 1 [X] Res/Park [X] Medium/Fine
- [ ] Table 2 [X] Ind/Comm [ ] Coarse
- [ ] Table 3 [ ] Agri/Other [ ] For RSC
- [ ] Table ___

Other Regulations
- [ ] CCME [ ] Sanitary Sewer Bylaw
- [ ] Reg 558 [ ] Storm Sewer Bylaw
- [ ] MISA Municipality ____
- [ ] PWQO [ ] Reg 406 Table ____
- [ ] Other ____

Special Instructions

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

ANALYSIS REQUESTED (PLEASE BE SPECIFIC)

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): Metals / Hg / Cr VI	O.Reg 153 Metals & Inorganics Pkg (Wtr)	# of Bottles	Comments
1		BH23-1	October 16, 2023	[redacted]	GW	Yes	X	5	
2		BH23-3	↓	[redacted]	↓	↓	X	5	
3		MW18-1A		[redacted]			X	5	
4		MW18-1B		[redacted]			X	5	
5		GW23-1	↓	[redacted]	↓	↓	X	5	
6									
7									
8									
9									
10									

16-Oct-23 13:42
Ashton Gibson
C3W1067
AK0 ENV-1365

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Laboratory Use Only: Time Sensitive	Temperature (°C) on Recei	Custody Seal	Yes	No
Ruth Amin RA	23/10/16	2:00pm			1542	0		11.1 12.3	Present		
									Intact		

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.

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

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

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

White: Bureau Veritas Yellow: Client

ON :u

Bureau Veritas Canada (2019) Inc.

Bureau Veritas Job #: C3W1067
Report Date: 2023/10/20

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

Exceedance Summary Table – Reg153/04 T1-GW

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
BH23-1	XHN337-04	Dissolved Antimony (Sb)	1.5	1.8	0.50	ug/L
BH23-1	XHN337-04	Dissolved Molybdenum (Mo)	23	29	0.50	ug/L
MW18-1B	XHN340-04	Dissolved Boron (B)	1700	2100	10	ug/L
MW18-1B	XHN340-01	Dissolved Chloride (Cl-)	790	1400	25	mg/L
MW18-1B	XHN340-04	Dissolved Molybdenum (Mo)	23	30	0.50	ug/L
MW18-1B	XHN340-04	Dissolved Sodium (Na)	490000	650000	500	ug/L

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

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Your Project #: 22-0209
Site#: 6728
Site Location: SIXTH LINE, MILTON, ON
Your C.O.C. #: n/a

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/11/02
Report #: R7891763
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3X5578
Received: 2023/10/26, 14:05

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Dissolved Metals by ICPMS	4	N/A	2023/11/01	CAM SOP-00447	EPA 6020B m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 22-0209
Site#: 6728
Site Location: SIXTH LINE, MILTON, ON
Your C.O.C. #: n/a

Attention: Maryanne Caluori

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2023/11/02
Report #: R7891763
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3X5578
Received: 2023/10/26, 14:05

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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Bureau Veritas Job #: C3X5578
Report Date: 2023/11/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON, ON
Sampler Initials: MC

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		XKO794		XKO795		XKO796	XKO797		
Sampling Date		2023/10/26		2023/10/26		2023/10/26	2023/10/26		
COC Number		n/a		n/a		n/a	n/a		
	UNITS	MW18-1A	RDL	MW18-1B	RDL	BH23-1	BH23-2	RDL	QC Batch
Metals									
Dissolved Antimony (Sb)	ug/L	<0.50	0.50	<0.50	0.50	<0.50	1.1	0.50	9015963
Dissolved Arsenic (As)	ug/L	3.6	1.0	2.8	1.0	4.6	1.6	1.0	9015963
Dissolved Barium (Ba)	ug/L	52	2.0	37	2.0	44	110	2.0	9015963
Dissolved Beryllium (Be)	ug/L	<0.40	0.40	<0.40	0.40	<0.40	<0.40	0.40	9015963
Dissolved Boron (B)	ug/L	450	10	2100	10	370	660	10	9015963
Dissolved Cadmium (Cd)	ug/L	<0.090	0.090	<0.090	0.090	<0.090	<0.090	0.090	9015963
Dissolved Chromium (Cr)	ug/L	<5.0	5.0	<5.0	5.0	<5.0	<5.0	5.0	9015963
Dissolved Cobalt (Co)	ug/L	<0.50	0.50	<0.50	0.50	<0.50	<0.50	0.50	9015963
Dissolved Copper (Cu)	ug/L	<0.90	0.90	1.7	0.90	<0.90	<0.90	0.90	9015963
Dissolved Lead (Pb)	ug/L	<0.50	0.50	<0.50	0.50	<0.50	<0.50	0.50	9015963
Dissolved Molybdenum (Mo)	ug/L	6.2	0.50	28	0.50	12	100	0.50	9015963
Dissolved Nickel (Ni)	ug/L	<1.0	1.0	19	1.0	<1.0	2.5	1.0	9015963
Dissolved Selenium (Se)	ug/L	<2.0	2.0	<2.0	2.0	<2.0	3.6	2.0	9015963
Dissolved Silver (Ag)	ug/L	<0.090	0.090	<0.090	0.090	<0.090	<0.090	0.090	9015963
Dissolved Sodium (Na)	ug/L	53000	100	630000	500	65000	320000	100	9015963
Dissolved Thallium (Tl)	ug/L	<0.050	0.050	<0.050	0.050	<0.050	0.089	0.050	9015963
Dissolved Uranium (U)	ug/L	1.0	0.10	<0.10	0.10	2.3	9.5	0.10	9015963
Dissolved Vanadium (V)	ug/L	0.71	0.50	<0.50	0.50	<0.50	0.57	0.50	9015963
Dissolved Zinc (Zn)	ug/L	<5.0	5.0	8.2	5.0	<5.0	96	5.0	9015963

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C3X5578
Report Date: 2023/11/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON, ON
Sampler Initials: MC

TEST SUMMARY

Bureau Veritas ID: XKO794
Sample ID: MW18-1A
Matrix: Water

Collected: 2023/10/26
Shipped:
Received: 2023/10/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9015963	N/A	2023/11/01	Indira HarryPaul

Bureau Veritas ID: XKO795
Sample ID: MW18-1B
Matrix: Water

Collected: 2023/10/26
Shipped:
Received: 2023/10/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9015963	N/A	2023/11/01	Indira HarryPaul

Bureau Veritas ID: XKO796
Sample ID: BH23-1
Matrix: Water

Collected: 2023/10/26
Shipped:
Received: 2023/10/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9015963	N/A	2023/11/01	Indira HarryPaul

Bureau Veritas ID: XKO797
Sample ID: BH23-2
Matrix: Water

Collected: 2023/10/26
Shipped:
Received: 2023/10/26

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9015963	N/A	2023/11/01	Indira HarryPaul

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GENERAL COMMENTS

Results relate only to the items tested.

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Bureau Veritas Job #: C3X5578
Report Date: 2023/11/02

QUALITY ASSURANCE REPORT

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON, ON
Sampler Initials: MC

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9015963	Dissolved Antimony (Sb)	2023/11/01	95	80 - 120	97	80 - 120	<0.50	ug/L		
9015963	Dissolved Arsenic (As)	2023/11/01	93	80 - 120	96	80 - 120	<1.0	ug/L		
9015963	Dissolved Barium (Ba)	2023/11/01	89	80 - 120	93	80 - 120	<2.0	ug/L		
9015963	Dissolved Beryllium (Be)	2023/11/01	91	80 - 120	94	80 - 120	<0.40	ug/L		
9015963	Dissolved Boron (B)	2023/11/01	88	80 - 120	92	80 - 120	<10	ug/L		
9015963	Dissolved Cadmium (Cd)	2023/11/01	91	80 - 120	94	80 - 120	<0.090	ug/L		
9015963	Dissolved Chromium (Cr)	2023/11/01	90	80 - 120	93	80 - 120	<5.0	ug/L		
9015963	Dissolved Cobalt (Co)	2023/11/01	90	80 - 120	94	80 - 120	<0.50	ug/L		
9015963	Dissolved Copper (Cu)	2023/11/01	89	80 - 120	92	80 - 120	<0.90	ug/L	0.85	20
9015963	Dissolved Lead (Pb)	2023/11/01	89	80 - 120	92	80 - 120	<0.50	ug/L	1.2	20
9015963	Dissolved Molybdenum (Mo)	2023/11/01	95	80 - 120	95	80 - 120	<0.50	ug/L		
9015963	Dissolved Nickel (Ni)	2023/11/01	90	80 - 120	94	80 - 120	<1.0	ug/L		
9015963	Dissolved Selenium (Se)	2023/11/01	91	80 - 120	95	80 - 120	<2.0	ug/L		
9015963	Dissolved Silver (Ag)	2023/11/01	90	80 - 120	95	80 - 120	<0.090	ug/L		
9015963	Dissolved Sodium (Na)	2023/11/01	NC	80 - 120	96	80 - 120	<100	ug/L		
9015963	Dissolved Thallium (Tl)	2023/11/01	89	80 - 120	93	80 - 120	<0.050	ug/L		
9015963	Dissolved Uranium (U)	2023/11/01	90	80 - 120	93	80 - 120	<0.10	ug/L		
9015963	Dissolved Vanadium (V)	2023/11/01	93	80 - 120	95	80 - 120	<0.50	ug/L		
9015963	Dissolved Zinc (Zn)	2023/11/01	89	80 - 120	93	80 - 120	<5.0	ug/L		

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

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

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

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

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

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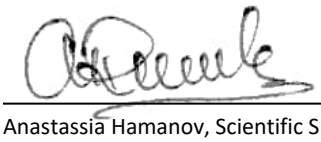
Bureau Veritas Job #: C3X5578
Report Date: 2023/11/02

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: SIXTH LINE, MILTON, ON
Sampler Initials: MC

VALIDATION SIGNATURE PAGE

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



Anastassia Hamanov, Scientific Specialist

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CHAIN OF CUSTODY RECORD

ENV COC - 00014v5

Page 1 of 1

26-Oct-23 14:05
Ashton Gibson
C3X5578
AIV ENV-1996

Invoice Information	Invoice to (requires report) ☐	Report Information (if differs from invoice)		Project Information	
Company:	Envision Consultants	Company:		Quotation #:	
Contact Name:	Maryanne Calnori	Contact Name:		P.O. #/ AFE#:	
Street Address:	6415 Northwest Dr	Street Address:		Project #:	22-0209
City:	Mississauga Prov: ON Postal Code: L4V 1X1	City:	Prov: Postal Code:	Site #:	6728
Phone:		Phone:		Site Location:	Sixth Line
Email:	mcalnori@envisionconsultants.ca slundrigan@envision-consultants.ca	Email:		Site Location Province:	Milton, ON
Copies:		Copies:		Sampled By:	

Regulatory Criteria

REG 153: ☐ Table 1 ☐ Table 2 ☐ Table 3 ☐ Table ____ ☐ Res/Park ☐ Ind/Comm ☐ Agri/other ☐ Med/Fine ☐ Coarse ☐ For RSC

OTHER: ☐ CCME ☐ Reg 406, Table: ____ ☐ Reg 558* ☐ Sanitary Sewer Bylaw *min 3 day TAT ☐ Storm Sewer Bylaw ☐ MISA Municipality ____ ☐ PWQO ☐ Other:

Include Criteria on Certificate of Analysis (check if yes): ☐

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

Regular Turnaround Time (TAT)
☒ 5 to 7 Day ☐ 10 Day

Rush Turnaround Time (TAT) Surcharges apply
☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day

Date Required: YYYY MM DD

Comments

	Sample Identification (Please print or Type)	Date Sampled YYYY	MM	DD	Time (24hr) HH	MM	Matrix	1 FIELD FILTERED	2 FIELD PRESERVED	3 LAB FILTRATION REQUIRED	4 BTEX/ F1	5 F2 - F4	6 VOCs	7 Reg 153 metals and inorganics	8 Reg 153 ICPMS metals	9 Reg 153 metals (Hg, Cr VI, ICPMS metals, HWS - B)	10	11	12	13	14	15	16	17	18	19	20	21 # OF CONTAINERS SUBMITTED	22 HOLD - DO NOT ANALYZE
1	MW18-1A	2023	10	26			GW								/													
2	MW18-1B	↓	↓	↓			↓								/													
3	BH23-1														/													
4	BH23-2														/													
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

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

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present	✓					
Seal intact	✓					
Cooling media present	✓					
				6	6	6

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

LAB USE ONLY	Yes	No	°C	1	2	3
Seal present						
Seal intact						
Cooling media present						

Temperature reading by:

	Relinquished by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Received by: (Signature/ Print)	Date YYYY	MM	DD	Time HH	MM	Special Instructions
1	Runee Kurji	2023	10	26	02	00	1						
2							2						

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Your C.O.C. #: 969903-01-01

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2024/01/08
Report #: R7981815
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3BT934
Received: 2023/12/29, 12:05

Sample Matrix: Water
Samples Received: 9

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Dissolved Metals by ICPMS	9	N/A	2024/01/04	CAM SOP-00447	EPA 6020B m

Remarks:

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Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Your C.O.C. #: 969903-01-01

Attention: Shawna Lundrigan

EnVision Consultants Ltd.
40-6415 Northwest Drive
Mississauga, ON
CANADA L4V 1X1

Report Date: 2024/01/08
Report #: R7981815
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C3BT934
Received: 2023/12/29, 12:05

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Ashton Gibson, Project Manager
Email: Ashton.Gibson@bureauveritas.com
Phone# (905)817-5765

==========

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Bureau Veritas Job #: C3BT934
Report Date: 2024/01/08

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID			XZR283		XZR284	XZR284	XZR285		
Sampling Date			2023/12/28 12:25		2023/12/28 11:58	2023/12/28 11:58	2023/12/28 11:58		
COC Number			969903-01-01		969903-01-01	969903-01-01	969903-01-01		
	UNITS	Criteria	MW18-1A	RDL	MW18-1B-45	MW18-1B-45 Lab-Dup	MW18-1B-22	RDL	QC Batch
Metals									
Dissolved Antimony (Sb)	ug/L	1.5	<0.50	0.50	<0.50	<0.50	<0.50	0.50	9139130
Dissolved Arsenic (As)	ug/L	13	1.2	1.0	1.3	1.1	1.2	1.0	9139130
Dissolved Barium (Ba)	ug/L	610	55	2.0	33	31	32	2.0	9139130
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	0.40	<0.40	<0.40	<0.40	0.40	9139130
Dissolved Boron (B)	ug/L	1700	640	10	**2100**	**2100**	**2100**	10	9139130
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	0.090	<0.090	<0.090	<0.090	0.090	9139130
Dissolved Chromium (Cr)	ug/L	11	<5.0	5.0	<5.0	<5.0	<5.0	5.0	9139130
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	<0.50	<0.50	<0.50	0.50	9139130
Dissolved Copper (Cu)	ug/L	5	<0.90	0.90	<0.90	<0.90	1.2	0.90	9139130
Dissolved Lead (Pb)	ug/L	1.9	<0.50	0.50	<0.50	<0.50	<0.50	0.50	9139130
Dissolved Molybdenum (Mo)	ug/L	23	15	0.50	**32**	**32**	**32**	0.50	9139130
Dissolved Nickel (Ni)	ug/L	14	<1.0	1.0	<1.0	<1.0	<1.0	1.0	9139130
Dissolved Selenium (Se)	ug/L	5	<2.0	2.0	<2.0	<2.0	<2.0	2.0	9139130
Dissolved Silver (Ag)	ug/L	0.3	<0.090	0.090	<0.090	<0.090	<0.090	0.090	9139130
Dissolved Sodium (Na)	ug/L	490000	87000	100	**610000**	**620000**	**610000**	500	9139130
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	0.050	<0.050	<0.050	<0.050	0.050	9139130
Dissolved Uranium (U)	ug/L	8.9	2.0	0.10	0.52	0.51	0.55	0.10	9139130
Dissolved Vanadium (V)	ug/L	3.9	0.83	0.50	<0.50	<0.50	<0.50	0.50	9139130
Dissolved Zinc (Zn)	ug/L	160	<5.0	5.0	13	13	13	5.0	9139130

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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Bureau Veritas Job #: C3BT934
Report Date: 2024/01/08

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID			XZR286	XZR287	XZR288	XZR289	XZR290		
Sampling Date			2023/12/28 14:07	2023/12/28 15:15	2023/12/28 14:53	2023/12/28 12:56	2023/12/28 13:36		
COC Number			969903-01-01	969903-01-01	969903-01-01	969903-01-01	969903-01-01		
	UNITS	Criteria	BH23-8	BH23-7	BH23-6	BH23-1	BH23-2	RDL	QC Batch
Metals									
Dissolved Antimony (Sb)	ug/L	1.5	0.50	1.3	0.52	<0.50	0.61	0.50	9139130
Dissolved Arsenic (As)	ug/L	13	5.3	1.0	2.5	4.7	<1.0	1.0	9139130
Dissolved Barium (Ba)	ug/L	610	38	75	83	41	37	2.0	9139130
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	9139130
Dissolved Boron (B)	ug/L	1700	300	560	270	450	910	10	9139130
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	<0.090	<0.090	<0.090	<0.090	0.090	9139130
Dissolved Chromium (Cr)	ug/L	11	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	9139130
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9139130
Dissolved Copper (Cu)	ug/L	5	1.5	1.6	2.0	1.8	1.9	0.90	9139130
Dissolved Lead (Pb)	ug/L	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	9139130
Dissolved Molybdenum (Mo)	ug/L	23	9.7	**31**	6.8	19	**29**	0.50	9139130
Dissolved Nickel (Ni)	ug/L	14	<1.0	2.7	3.2	<1.0	<1.0	1.0	9139130
Dissolved Selenium (Se)	ug/L	5	<2.0	<2.0	<2.0	<2.0	3.5	2.0	9139130
Dissolved Silver (Ag)	ug/L	0.3	<0.090	<0.090	<0.090	<0.090	<0.090	0.090	9139130
Dissolved Sodium (Na)	ug/L	490000	46000	180000	43000	110000	250000	100	9139130
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	<0.050	<0.050	<0.050	0.067	0.050	9139130
Dissolved Uranium (U)	ug/L	8.9	1.3	2.3	3.5	3.4	7.7	0.10	9139130
Dissolved Vanadium (V)	ug/L	3.9	<0.50	0.61	1.1	<0.50	0.68	0.50	9139130
Dissolved Zinc (Zn)	ug/L	160	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	9139130

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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

O.REG 153 DISSOLVED ICPMS METALS (WATER)

Bureau Veritas ID			XZR291		
Sampling Date			2023/12/28 12:25		
COC Number			969903-01-01		
	UNITS	Criteria	6W23-2	RDL	QC Batch
Metals					
Dissolved Antimony (Sb)	ug/L	1.5	<0.50	0.50	9139130
Dissolved Arsenic (As)	ug/L	13	<1.0	1.0	9139130
Dissolved Barium (Ba)	ug/L	610	57	2.0	9139130
Dissolved Beryllium (Be)	ug/L	0.5	<0.40	0.40	9139130
Dissolved Boron (B)	ug/L	1700	650	10	9139130
Dissolved Cadmium (Cd)	ug/L	0.5	<0.090	0.090	9139130
Dissolved Chromium (Cr)	ug/L	11	<5.0	5.0	9139130
Dissolved Cobalt (Co)	ug/L	3.8	<0.50	0.50	9139130
Dissolved Copper (Cu)	ug/L	5	0.98	0.90	9139130
Dissolved Lead (Pb)	ug/L	1.9	<0.50	0.50	9139130
Dissolved Molybdenum (Mo)	ug/L	23	16	0.50	9139130
Dissolved Nickel (Ni)	ug/L	14	<1.0	1.0	9139130
Dissolved Selenium (Se)	ug/L	5	<2.0	2.0	9139130
Dissolved Silver (Ag)	ug/L	0.3	<0.090	0.090	9139130
Dissolved Sodium (Na)	ug/L	490000	88000	100	9139130
Dissolved Thallium (Tl)	ug/L	0.5	<0.050	0.050	9139130
Dissolved Uranium (U)	ug/L	8.9	2.1	0.10	9139130
Dissolved Vanadium (V)	ug/L	3.9	0.70	0.50	9139130
Dissolved Zinc (Zn)	ug/L	160	<5.0	5.0	9139130

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

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Criteria: Ontario Reg. 153/04 (Amended April 15, 2011)
Table 1: Full Depth Background Site Condition Standards
Ground Water - All Types of Property Uses

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Bureau Veritas Job #: C3BT934
Report Date: 2024/01/08

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

TEST SUMMARY

Bureau Veritas ID: XZR283 **Collected:** 2023/12/28
Sample ID: MW18-1A **Shipped:**
Matrix: Water **Received:** 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR284 **Collected:** 2023/12/28
Sample ID: MW18-1B-45 **Shipped:**
Matrix: Water **Received:** 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR284 Dup **Collected:** 2023/12/28
Sample ID: MW18-1B-45 **Shipped:**
Matrix: Water **Received:** 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR285 **Collected:** 2023/12/28
Sample ID: MW18-1B-22 **Shipped:**
Matrix: Water **Received:** 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR286 **Collected:** 2023/12/28
Sample ID: BH23-8 **Shipped:**
Matrix: Water **Received:** 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR287 **Collected:** 2023/12/28
Sample ID: BH23-7 **Shipped:**
Matrix: Water **Received:** 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR288 **Collected:** 2023/12/28
Sample ID: BH23-6 **Shipped:**
Matrix: Water **Received:** 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

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Bureau Veritas Job #: C3BT934
Report Date: 2024/01/08

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

TEST SUMMARY

Bureau Veritas ID: XZR289
Sample ID: BH23-1
Matrix: Water

Collected: 2023/12/28
Shipped:
Received: 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR290
Sample ID: BH23-2
Matrix: Water

Collected: 2023/12/28
Shipped:
Received: 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

Bureau Veritas ID: XZR291
Sample ID: 6W23-2
Matrix: Water

Collected: 2023/12/28
Shipped:
Received: 2023/12/29

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Dissolved Metals by ICPMS	ICP/MS	9139130	N/A	2024/01/04	Azita Fazaeli

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GENERAL COMMENTS

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
9139130	Dissolved Antimony (Sb)	2024/01/04	106	80 - 120	100	80 - 120	<0.50	ug/L	NC	20
9139130	Dissolved Arsenic (As)	2024/01/04	103	80 - 120	98	80 - 120	<1.0	ug/L	14	20
9139130	Dissolved Barium (Ba)	2024/01/04	99	80 - 120	96	80 - 120	<2.0	ug/L	4.0	20
9139130	Dissolved Beryllium (Be)	2024/01/04	99	80 - 120	98	80 - 120	<0.40	ug/L	NC	20
9139130	Dissolved Boron (B)	2024/01/04	NC	80 - 120	97	80 - 120	<10	ug/L	0.48	20
9139130	Dissolved Cadmium (Cd)	2024/01/04	101	80 - 120	99	80 - 120	<0.090	ug/L	NC	20
9139130	Dissolved Chromium (Cr)	2024/01/04	100	80 - 120	95	80 - 120	<5.0	ug/L	NC	20
9139130	Dissolved Cobalt (Co)	2024/01/04	97	80 - 120	95	80 - 120	<0.50	ug/L	NC	20
9139130	Dissolved Copper (Cu)	2024/01/04	97	80 - 120	94	80 - 120	<0.90	ug/L	NC	20
9139130	Dissolved Lead (Pb)	2024/01/04	94	80 - 120	96	80 - 120	<0.50	ug/L	NC	20
9139130	Dissolved Molybdenum (Mo)	2024/01/04	110	80 - 120	98	80 - 120	<0.50	ug/L	1.2	20
9139130	Dissolved Nickel (Ni)	2024/01/04	95	80 - 120	95	80 - 120	<1.0	ug/L	NC	20
9139130	Dissolved Selenium (Se)	2024/01/04	100	80 - 120	98	80 - 120	<2.0	ug/L	NC	20
9139130	Dissolved Silver (Ag)	2024/01/04	96	80 - 120	99	80 - 120	<0.090	ug/L	NC	20
9139130	Dissolved Sodium (Na)	2024/01/04	NC	80 - 120	97	80 - 120	<100	ug/L	0.80	20
9139130	Dissolved Thallium (Tl)	2024/01/04	95	80 - 120	97	80 - 120	<0.050	ug/L	NC	20
9139130	Dissolved Uranium (U)	2024/01/04	97	80 - 120	95	80 - 120	<0.10	ug/L	2.3	20
9139130	Dissolved Vanadium (V)	2024/01/04	103	80 - 120	96	80 - 120	<0.50	ug/L	NC	20
9139130	Dissolved Zinc (Zn)	2024/01/04	93	80 - 120	96	80 - 120	<5.0	ug/L	0.96	20

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

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

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

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

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

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

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Bureau Veritas Job #: C3BT934
Report Date: 2024/01/08

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

VALIDATION SIGNATURE PAGE

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

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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

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CHAIN OF CUST

NONT-2023-12-2066

C#869903-01-01

Ashton Gibson

INVOICE TO:		REPORT TO:		PROJECT INFORMATION:	
Company Name:	#37360 EnVision Consultants Ltd.	Company Name:		Quotation #:	C25646
Attention:	Accounts Payable	Attention:	Shawna Lundrigan	P.O. #:	
Address:	40-6415 Northwest Drive Mississauga ON L4V 1X1	Address:		Project:	22-0209
Tel:	(888) 597-6083 Fax:	Tel:	Fax:	Project Name:	6728 Sixth Line, Milton
Email:	payables@envisionconsultants.ca	Email:	slundrigan@envisionconsultants.ca	Site #:	
				Sampled By:	PA

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

Regulation 153 (2011)
- [X] Table 1 [X] Res/Park [X] Medium/Fine
- [ ] Table 2 [X] Ind/Comm [ ] Coarse
- [ ] Table 3 [ ] Agri/Other [ ] For RSC
- [ ] Table ___

Other Regulations
- [ ] CCME [ ] Sanitary Sewer Bylaw
- [ ] Reg 558, [ ] Storm Sewer Bylaw
- [ ] MISA Municipality ___
- [ ] PWQO [ ] Reg 406 Table ___
- [ ] Other ___

Special Instructions

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

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

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

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

	Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Field Filtered (please circle): (Metals) Hg / Cr VI	ANALYSIS REQUESTED (PLEASE BE SPECIFIC): O.Reg 153 Dissolved ICPMS Metals (Water)	# of Bottles	Comments
1	SID#650076	MW18-1A	12/28/23	12:25pm	GW	✓	X	1	
2	SID#650077	MW18-1B-45		11:58am		✓	X	1	Field filtered with 45 micron filter
3	SID#650078	MW18-1B-22		11:58 am		✓	X	1	Field filtered with 22 micron filter
4	SID#650079	BH23-8		2:07pm		✓	X	1	
5	SID#650080	BH23-7		3:15pm		✓	X	1	
6	SID#650081	BH23-6		2:53pm		✓	X	1	
7	SID#650082	BH23-1		12:56pm		✓	X	1	
8	SID#650083	BH23-2		1:36pm		✓	X	1	
9	SID#650084	GW23-2		12:25pm		✓	X	1	
10									

* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted
Ruhi Amin	12/29/23	12:00pm	Susana Sullivan	2023/12/29	12:05	Ø

Laboratory Use Only

Time Sensitive	Temperature (°C) on Receipt	Custody Seal Present	Yes	No
	8 / 1 / 0	Intact	✓	

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS ACKNOWLEDGMENT AND ACCEPTANCE OF OUR TERMS WHICH ARE AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.

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

** SAMPLE CONTAINER, PRESERVATION, HOLD TIME AND PACKAGE INFORMATION CAN BE VIEWED AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/CHAIN-CUSTODY-FORMS-COCS.

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

White: Bureau Veritas Yellow: Client
ICE

Bureau Veritas Canada (2019) Inc.

Bureau Veritas Job #: C3BT934
Report Date: 2024/01/08

EnVision Consultants Ltd.
Client Project #: 22-0209
Site Location: 6728 SIXTH LINE, MILTON
Sampler Initials: RA

Exceedance Summary Table – Reg153/04 T1-GW

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
MW18-1B-45	XZR284-01	Dissolved Boron (B)	1700	2100	10	ug/L
MW18-1B-45	XZR284-01-Lab Dup	Dissolved Boron (B)	1700	2100	10	ug/L
MW18-1B-45	XZR284-01-Lab Dup	Dissolved Molybdenum (Mo)	23	32	0.50	ug/L
MW18-1B-45	XZR284-01	Dissolved Molybdenum (Mo)	23	32	0.50	ug/L
MW18-1B-45	XZR284-01	Dissolved Sodium (Na)	490000	610000	500	ug/L
MW18-1B-45	XZR284-01-Lab Dup	Dissolved Sodium (Na)	490000	620000	500	ug/L
MW18-1B-22	XZR285-01	Dissolved Boron (B)	1700	2100	10	ug/L
MW18-1B-22	XZR285-01	Dissolved Molybdenum (Mo)	23	32	0.50	ug/L
MW18-1B-22	XZR285-01	Dissolved Sodium (Na)	490000	610000	500	ug/L
BH23-7	XZR287-01	Dissolved Molybdenum (Mo)	23	31	0.50	ug/L
BH23-2	XZR290-01	Dissolved Molybdenum (Mo)	23	29	0.50	ug/L

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

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