



JACAN CONSTRUCTION LTD.  
5400 BIMINI COURT  
MISSISSAUGA, ONTARIO

**ATTENTION: MR. LIAQUAT J. MIAN**

**RE: PHASE II; DUE DILIGENCE SUBSURFACE INVESTIGATION  
PROPOSED OFFICE BUILDING  
AT 1110 LORNE PARK ROAD  
CITY OF MISSISSAUGA, ONTARIO**

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**REPORT NO.: 2011-23187**

**AUGUST 10, 2011**

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**ORIGINAL: (FILE NO. SP-3179)**

**SOIL PROBE LTD.**



REPORT No.: 2011-23187  
FILE No.: SP-3179  
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# SOIL PROBE LTD.

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**DATE:** August 10, 2011

**REPORT NO.:** 2011-23187

**FILE NO.:** SP-3179

**Mr. Liaquat J. Mian**  
**Jacan Construction Ltd.**  
5400 Bimini Court  
Mississauga, Ontario  
L5M 6G9

**Re: Phase II; Due Diligence Subsurface Investigation  
Proposed Office Building  
At 1110 Lorne Park Road  
City of Mississauga, Ontario**

## 1. INTRODUCTION

Mr. Liaquat Mian of Jacan Construction Ltd., authorized Soil Probe Ltd. (SPL) to carry out a Phase II; Due Diligence Subsurface Investigation at 1110 Lorne Park Road in Mississauga, Ontario.

Based on the findings of this investigation, our observations, comments and conclusions are given in ensuing paragraphs.

## 2. SITE DESCRIPTION

The subject property is situated on the southwest corner of Lorne Park Road and Albertson Crescent in the City of Mississauga, Ontario. The property is currently vacant and undeveloped and the surrounding lands are in commercial and residential use. The vicinity area is municipally serviced for water and sewage.

## 3. TERMS OF REFERENCE

The purpose of the investigation was to ensure that the integrity of the subsurface soils and groundwater has not been compromised from historical usage of the site and the surrounding commercial development. In this regard, the work program was designed to test the subsurface materials on the property for:

**PHASE II; DUE DILIGENCE SUBSURFACE INVESTIGATION**

**1110 LORNE PARK ROAD, MISSISSAUGA, ONTARIO**

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- inorganic compounds in the soil comprised of metals, pH, electrical conductivity, and free cyanide
- petroleum hydrocarbon (PHC) components in the soil comprised of the F1, F2, F3, and F4 hydrocarbon fractions and the volatile benzene, toluene, ethylbenzene, and xylene (BTEX) compounds
- volatile organic compounds (VOCs) in the groundwater

#### 4. SCOPE OF WORK

Soil Probe Ltd. was retained by Liaquat Mian on behalf of Jacan Construction Ltd. to undertake the following works:

- drill 3 boreholes to 7 metres (m) depth
- instrument the 3 boreholes as groundwater monitoring wells
- submit 1 soil sample to a certified CAEAL (Canadian Association for Environmental Analytical Laboratories) laboratory for chemical analysis of inorganic compounds
- submit 1 soil sample to a certified CAEAL laboratory for chemical analysis of PHCs
- submit 3 groundwater samples from the monitoring wells to a certified CAEAL laboratory, for chemical analysis of VOCs
- compare the chemical results with the limits specified in *Soil, Ground Water and Sediment Standards for use under Part XV.1 of the Environmental Protection Act dated July 27, 2009* as referenced by Ontario Regulation 511/09 in order to assess the environmental condition of the site
- prepare a report of findings

#### 5. FIELDWORK

##### 5.1 BOREHOLE DRILLING

On July 6, 2011, 3 boreholes (BH-8 to BH-10) were drilled on the subject property by Fadroy Enterprise with a track-mounted bombardier drilling machine with hollow stem augers to a depth of 7 m. Soil samples were retrieved from each borehole using split spoon sampler. A borehole location plan is included as **Figure 1**.



## **5.2 SOIL SAMPLING**

Each discrete sample was handled by the sampler with new disposable latex gloves to reduce the risk of cross contamination between samples. The soil cores were split and placed in air-tight sealable plastic bags and laboratory-prepared glass jars. All soil samples were examined in the field for lithology as well as for aesthetic evidence of impacts (i.e. staining and/or odours).

## **5.3 GROUNDWATER MONITORS INSTALLATION**

On completion of the drilling, the 3 boreholes (BH-8 to BH-10) were instrumented as monitoring wells (MW-1 to MW-3) comprised of PVC riser pipe and screen to provide for:

- measurement of groundwater levels
- sampling of the groundwater to determine its chemical quality
- to ascertain if free product was present in the subsurface

The groundwater monitors were constructed from 50 millimetre (mm) diameter, individually-wrapped Schedule-40 polyvinyl chloride (PVC) screen and riser pipe. The well screen had a slot width of 0.01 inches and the base of the screen was covered with a PVC threaded end cap to prevent entry of sediment into the monitor. A bentonite seal was constructed between the top of the well screen and the ground surface to prevent contamination of the water in the monitor through the overlying materials. As well, no lubricants or adhesives were used in the construction of the monitor installation that could impact on the integrity of the groundwater sampling program. The PVC riser above the grade was protected with PVC cap to protect any rain water intrusion into the monitoring well.

## **5.4 GROUNDWATER MONITORS SAMPLING**

Prior to sampling the groundwater on July 22, 2011, the water levels in the 3 monitors (MW-1 to MW-3) were measured. The monitors were then developed by pumping out the water with a dedicated assembly comprised of a foot-valve pump and flexible tubing (1 cm



diameter) in each of the monitors. A total of 20 L (litres) or approximately 3 well volumes of water were removed from each monitor. The monitors were allowed to recover with fresh formation water and a water sample was then pumped directly from the flexible tubing into laboratory prepared glass vials and sealed on site leaving no air space in the vial. The samples were transported to the laboratory later that day in a cooler equipped with ice packs to maintain a temperature of approximately 4°C.

Depths to water were recorded as tabulated below.

WATER LEVELS

MONITOR IDENTIFICATION	DEPTH (M)	STICK-UP ABOVE GRADE (RELATIVE MP ELEVATION) (M)	WATER LEVEL DEPTH BELOW MP JULY 22, 2011 (M)	RELATIVE WATER LEVEL ELEVATION JULY 22, 2011 (M)
MW-1 (BH 8)	7.01	100.00	4.051	95.949
MW-2 (BH 9)	7.01	99.725	4.011	95.714
MW-3 (BH 10)	7.01	99.197	3.618	95.579

Notes: m=metres

MP = measuring point above grade

## 6. SUBSURFACE CONDITIONS

Descriptions of the subsurface conditions at the borehole locations are presented in the borehole logs attached in **Appendix A**. In summary, the subsurface materials were noted to be reddish-brown fine sandy fill overlying fine to medium native sand underlain by sandy silt to the terminal depth of drilling at 7 m below grade. No odours or staining indicative of environmental impairment were detected in any of the borehole samples. All boreholes were completed in native material.

Converting the water level depths measured in the 3 monitors to relative elevations indicates a south, southeast direction of groundwater flow toward Lake Ontario at a distance of about 1 km (kilometre) from the site.



## 7. CHEMICAL TESTING

As indicated earlier under Scope of Work, 2 soil samples were submitted to a certified CAEAL laboratory for chemical analysis of inorganic compounds including pH, free cyanide, electrical conductivity, and metals. Two (2) soil samples were also submitted for chemical analysis of PHCs and 3 groundwater samples were submitted for chemical analysis of VOCs as summarized below:

### CHEMICAL TESTS

BOREHOLE	SAMPLE	DEPTH (M)	MATERIAL	CHEMICAL ANALYSES
MW-1 (BH-8)	S1	3.04-3.51	Native Sand	PHCs
MW-3 (BH-10)	S1	1.82-2.44	Sand Fill	Inorganic compounds
MW-1 (BH-8)	N/A	N/A	water	VOCs
MW-2 (BH-9)	N/A	N/A	water	VOCs
MW-3 (BH-10)	N/A	N/A	water	VOCs

Notes: VOCs = volatile organic compounds      S1 = soil sample 1      N/A = not applicable  
Inorganic compounds comprised of pH, free cyanide, electrical conductivity, and metals  
PHCs = petroleum hydrocarbons comprised of F1 to F4 fractions and benzene, toluene, ethylbenzene and xylenes (BTEX)

## 8. CHEMICAL DATA ASSESSMENT

Ontario Regulation (O.Reg.) 511/09 (Records of Site Condition) was enacted to amend O. Reg. 153/04 under Part XV.1 of the Environmental Protection Act and references clean-up Standards. These Standards are documented in nine (9) tables published in "Soil, Ground Water and Sediment Standards For Use Under Part XV.1 of the Environmental Protection Act" dated July 27, 2009 and are intended to be used for filing a Record of Site Condition (RSC) for redeveloping brownfields (i.e. site clean-up considerations for changes in land use). In this regard three approaches to site restoration are identified in the Regulation as:

- Generic



- Background
- Site Specific Risk Assessment (SSRA)

The regulatory background documentation states that the generic approach relies on criteria based on the effect of a contaminant on human health and/or the environment using environmental exposure models that have conservative or protective assumptions regarding contaminant exposure levels. The background approach involves the restoration of the site to naturally occurring background conditions for two property uses, agricultural and all other land uses that may require a higher level of protection due to unique physical site conditions or site receptors such as a sensitive or shallow soil site. The SSRA approach provides for development of less stringent criteria based on environmental and human health at a specific site including both risk assessment and risk management processes/decisions.

The generic criteria were chosen for assessment purposes herein. However, the generic criteria are not applicable where site conditions and characteristics are very different from the conditions and assumptions used to develop the criteria (i.e. sensitive sites). In this regard the site is not classified as sensitive since:

- the site has not been designated nor would have an impact on an environmentally designated site
- the site has greater than 2 m of overburden overlying bedrock
- the site does not include or is adjacent to a water body or is within 30 m of a water body
- the pH of the soil is between 5 and 9

Furthermore, a distinction is made between potable and non-potable groundwater conditions under O.Reg. 153/04 whereby more stringent criteria are applicable when a property is serviced by a water supply well. Consequently, the generic full depth criteria specified in Table 3 of the "*Soil, Ground Water and Sediment Standards for use under Part XV.1 of the Environmental Protection Act (for residential/parkland property use applicable to a coarse-textured soil in a non-potable ground water condition)*" as referenced in O. Reg. 511/09 were deemed to be appropriate for assessment purposes of this site which is consistent with the requirements referenced under O. Reg. 153/04.





## 9. SOIL CHEMISTRY RESULTS

The certificates of analysis for the submitted soil samples are presented in **Appendix B**. A review of the chemical analyses results indicates that the soil concentrations were below the specified standards in Table 3 for the metal compounds referenced under Ontario Regulation 153/04. Similarly, all the PHC concentrations found in the submitted soil samples were below the regulatory Standards. Furthermore, with the exception of the concentration of trace to very low amounts of the F2 and F3 hydrocarbon fractions, the concentrations were below the laboratory detection limits.

The highest values for metals, pH, free cyanide, electrical conductivity, and PHCs that were analyzed in the soil samples are tabulated below:

SOIL CHEMISTRY RESULTS

COMPOUND	TABLE 3 STANDARD ( $\mu\text{G/G}$ )	HIGHEST VALUE ( $\mu\text{G/G}$ )	LOCATION
antimony	7.5	<0.5	BH-10 (MW-3)
arsenic	18	<0.5	BH-10 (MW-3)
barium	390	1.9	BH-10 (MW-3)
beryllium	4	<0.5	BH-10 (MW-3)
boron (hot water)	1.5	0.0723	BH-10 (MW-3)
boron (total)		3.2	BH-10 (MW-3)
cadmium	12	0.063	BH-10 (MW-3)
chromium	160	4.2	BH-10 (MW-3)
cobalt	22	1.79	BH-10 (MW-3)
copper	140	5.08	BH-10 (MW-3)
cyanide (free)	0.051	0.016	BH-10 (MW-3)
lead	120	1	BH-10 (MW-3)
mercury	0.27	<0.05	BH-10 (MW-3)
molybdenum	6.9	<0.5	BH-10 (MW-3)
nickel	100	2.5	BH-10 (MW-3)
selenium	2.4	<0.5	BH-10 (MW-3)



COMPOUND	TABLE 3 STANDARD (µG/G)	HIGHEST VALUE (µG/G)	LOCATION
silver	20	<0.05	BH-10 (MW-3)
vanadium	86	9.33	BH-10 (MW-3)
zinc	340	18.8	BH-10 (MW-3)
thallium	1	<0.5	BH-10 (MW-3)
EC (mS/cm)	0.70	0.051	BH-10 (MW-3)
pH (units)	9	6.5	BH-10 (MW-3)
benzene	0.21	<0.018	BH-8 (MW-1)
toluene	2.3	<0.035	BH-8 (MW-1)
ethylbenzene	2.0	<0.018	BH-8 (MW-1)
xylene	3.1	<0.0048	BH-8 (MW-1)
PHCs-F1 (C6-C10)	55	<3.9	BH-8 (MW-1)
PHCs-F2 (C10-C16)	98	3.7	BH-8 (MW-1)
PHCs-F3 (C16-C34)	300	25	BH-8 (MW-1)
PHCs-F4 (C34-C50)	2800	<5.2	BH-8 (MW-1)

Notes: < = less than (S2) = sample 2 µg/g = micrograms per gram or parts per million  
EC = electrical conductivity PHCs = petroleum hydrocarbons  
F1, F2, F3, and F4 = PHC carbon atom fractions

## 10. GROUNDWATER CHEMISTRY RESULTS

The certificates of analysis for the submitted groundwater samples are presented in **Appendix C**. Review of the chemical analysis results indicate that all concentrations of VOCs in the groundwater samples were below the laboratory method detection limits and therefore well below the specified regulatory Standards.

## 11. SUMMARY OF FINDINGS

The findings of our subsurface investigation at the 1110 Lorne Park Road property in Mississauga, Ontario are provided below:



- the subsurface materials were noted to be reddish-brown fine sandy fill overlying fine to medium native sand underlain by sandy silt to the terminal depth of drilling at 7 m below grade
- all boreholes were terminated in native sandy silt soils
- no odours or staining indicative of environmental impairment were detected in any of the boreholes drilled on the property
- trace to low levels of metals **below the specified regulatory Table 3 Standards** were detected in the soil samples that were submitted for analysis
- all PHC concentrations found in the submitted soil samples were below the regulatory Table 3 Standards; furthermore, with the exception of the concentration of trace to very low amounts of the F2 and F3 carbon atom fractions, the concentrations were below the laboratory detection limits.
- all concentrations of VOCs in the groundwater samples were below the laboratory method detection limits and well **below the specified regulatory Table 3 Standards**.

## 12. CONCLUSIONS AND RECOMMENDATIONS

In summary, our review of the chemical analyses results indicates that no significant environmental concerns were identified. In this regard the soil and groundwater samples submitted for chemical analysis meet the applicable specified regulatory Standards for coarse-textured soil in a non-potable groundwater condition for residential/parkland/institutional land use.

## 13. LIMITATIONS

This report has been prepared for Jacan Construction Ltd., and that Soil Probe Ltd., and its sub-consultants make no representation or warranty to any other person with regard to this report and the work referred to in this report and makes no duty of care to any other person or any liability or responsibility whatsoever for any losses, expenses, damages, fines, penalties, or other harm that may be suffered or incurred as a result of the use of reliance on, any decision made or any action taken based on this report or work referred to in this report. The investigation undertaken



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**JACAN CONSTRUCTION LTD.**

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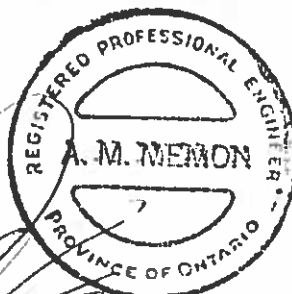
by Soil Probe Ltd, in conjunction with TRY Environmental Services Inc., with respect to this report and any conclusions or recommendations made in this report reflects the judgment of Soil Probe Ltd., and TRY Environmental Services Inc., based on the site conditions observed at the time on the dates set out in this report and on the information available at the time of preparation of this report. This report has been prepared for specific application to this site and unless otherwise stated cannot be extended to previous or future site conditions, portions of the site which were unavailable for direct investigation, subsurface locations that were not investigated directly, or chemical parameters, materials or analysis which were not addressed. If site conditions change or applicable standards change of if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary. Nothing in this report is intended to constitute or provide a legal opinion.

The relationship between Soil Probe Ltd., and TRY Environmental Services Inc., is one of providing complementary services to clients and on such occasions one firm may act as a sub-consultant to the other. Each company is separately owned and operated and there are not ownership or legal ties between the two firms. Please advise if further clarification on the above-noted investigation is required and thank you for the opportunity to have been of assistance.

Respectfully Submitted  
**SOIL PROBE LTD.**

*Original Signed By*

Robert C. Ostry, M.A., P.Eng.  
Senior Environmental Consultants  
AM/js/SHARE 11/Phase II/SP3179-23187 – 1110 Lorne Park Rd.

  
  
Anwar Memon, P.Eng.  
Principal

**PHASE II; DUE DILIGENCE SUBSURFACE INVESTIGATION**  
**1110 LORNE PARK ROAD, MISSISSAUGA, ONTARIO**

**SOIL PROBE LTD.**



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**JACAN CONSTRUCTION LTD.**

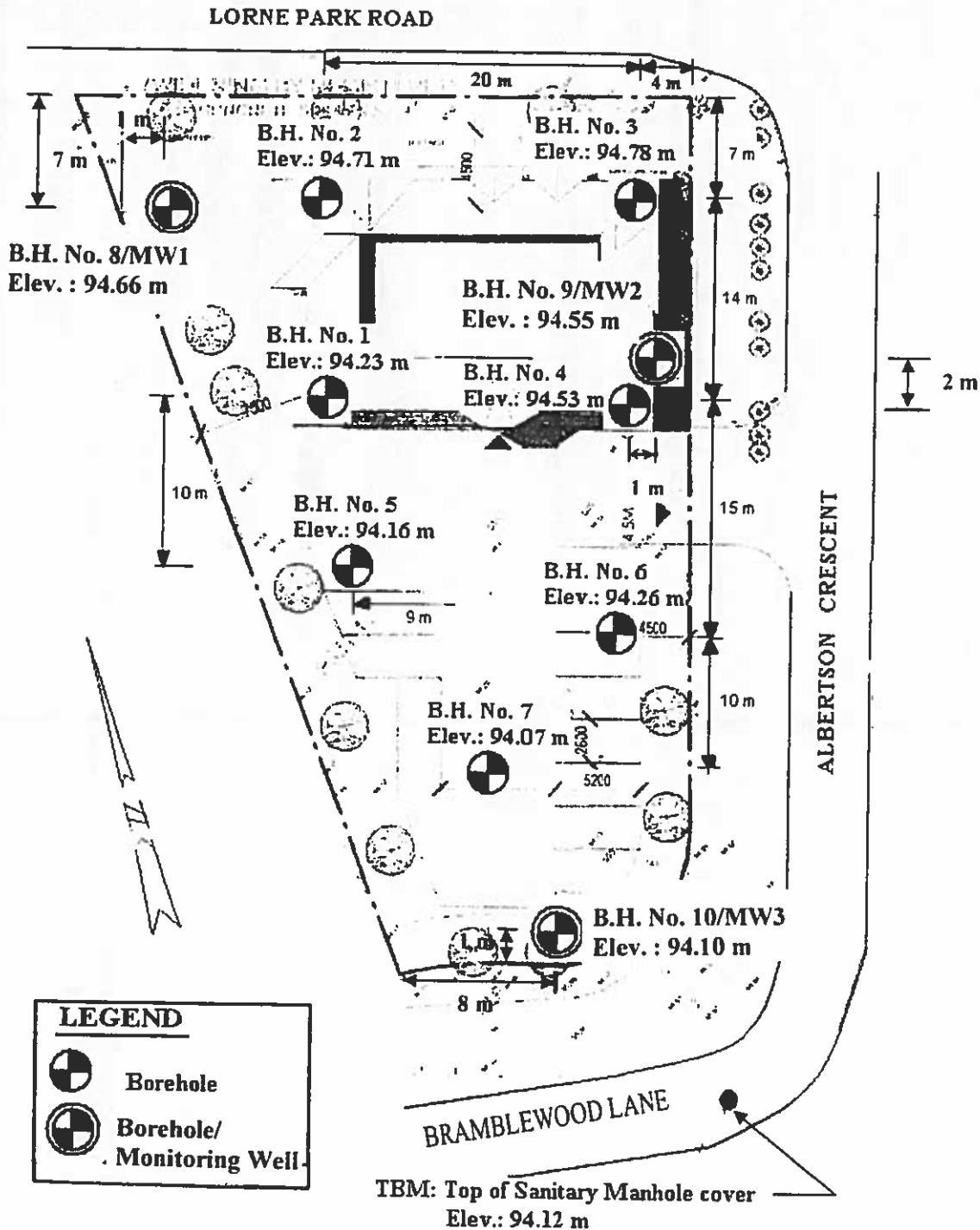
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## **DRAWING**

**FIGURE 1**

**PLOT PLAN SHOWING LOCATION OF BOREHOLES**

File No. : SP- 3179  
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**PLOT PLAN SHOWING THE BOREHOLE/MONITORING WELL LOCATIONS FOR THE PROPOSED OFFICE BUILDING AT 1110 LORNE PARK ROAD, CITY OF MISSISSAUGA, ONTARIO**

(Not to Scale)



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## **APPENDIX A**

### **BOREHOLE LOGS**





# BOREHOLE/MONITORING WELL LOG

BOREHOLE NO. 9/MONITORING WELL NO. MW2



PROJECT: Proposed Office Building  
 LOCATION: 1110 Lorne Park Road, City of Mississauga, Ontario  
 ELEVATION (m) 94.55  
 CAVED AT DEPTH (m):  
 N=Blow Count in Standard Penetration Test (Blows/0.3m)

PROJECT NO.: SP-3179  
 DATE: July 6, 2011  
 WATER LEVEL DEPTH (m): 3.3  
 M.C. = Natural Moisture Content

ELEVATION/ DEPTH (m)	SOIL SYMBOLS	DESCRIPTION	M.C. %	STANDARD PENETRATION TEST		
				N	DEPTH/ ELEVATION (m)	CURVE N (Blows/0.3m)
94.5 0 94 0.5 93.5 1 93 1.5 92.5 2 92 2.5 91.5 3 91 3.5 90.5 4 90 4.5 89.5 5 89 5.5 88.5 6 88 6.5 87.5 7 87 7.5 86.5 8 86 8.5		Augered without sampling down to 7.01 m  Onsite Materials  Bentonite  50 mm PVC Pipe        Silica Sand  50 mm Screen  End of borehole at 7.01 m Water level at 3.35 m after monitoring well installation			0 94 1 93 2 92 3 91 4 90 5 89 6 88 7 87 8 86	10 30 50

# BOREHOLE/MONITORING WELL LOG

BOREHOLE NO. 10/MONITORING WELL NO. MW3



PROJECT: Proposed Office Building  
 LOCATION: 1110 Lorne Park Road, City of Mississauga, Ontario  
 ELEVATION (m) 94.10  
 CAVED AT DEPTH (m):  
 N=Blow Count in Standard Penetration Test (Blows/0.3m)

PROJECT NO.: SP-3179  
 DATE: July 6, 2011  
 WATER LEVEL DEPTH (m): 3.3  
 M.C. = Natural Moisture Content

ELEVATION/ DEPTH (m)	SOIL SYMBOLS	DESCRIPTION	M.C. %	STANDARD PENETRATION TEST		
				N	DEPTH/ ELEVATION (m)	CURVE N (Blows/0.3m)
94.0	1	FILL - reddish brown fine sand, moist	7		94	10 30 50
93.5	2	Onsite Materials	9		93	
93.0	3		8		92	
92.5	4		9		91	
92.0		50 mm PVC Pipe				
91.5		Bentonite				
91.0		FINE SAND - trace of silt, greyish brown, moist to very moist	11			
90.5		Augered without sampling down to 7.01 m				
90.0						
89.5						
89.0		Silica Sand				
88.5						
88.0		50 mm Screen				
87.5						
87.0		End of borehole at 7.01 m				
86.5		Water level at 3.35 m after monitoring well installation				
86.0						
85.5						



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## **APPENDIX B**

**CHEMICAL TEST RESULTS**  
**CERTIFICATE OF ANALYSIS OF SOIL SAMPLES**

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**PHASE II; DUE DILIGENCE SUBSURFACE INVESTIGATION**  
**1110 LORNE PARK ROAD, MISSISSAUGA, ONTARIO**

**SOIL PROBE LTD.**



**Testmark Laboratories Ltd.**

Committed to Quality and Service

WorkOrder: 131636

Project: Soil Probe Ltd.

Company:

### (Revised) Certificate of Analysis

Contact: Zohid, Pooranan  
 Company: Soil Probe Ltd.  
 110 Ironside Cres., Unit 20  
 Scarborough, Ontario, M1X 1M2  
 Phone: (416) 754-7055  
 Fax: (416) 754-1259  
 Email: info@soilprobe.ca

Date Received: 7/8/2011 12:00:00 AM  
 Regulation: O Reg 153/04 Table 2 Soil Stringent  
 PO#: None Given  
 Project: None Given  
 DWS#: None Given  
 Sampled By: None Given

Supersedes Report Printed: 7/15/2011

#### Work Order Summary:

Analyses were performed on the following samples:

The results relate only to the items tested

Sample Name	Lab #	Matrix	Type	Temp (°C)	Date Collected	Time Collected
SP 3179-1, BH8-MW1	355471	Soil	None	15	7/6/2011	2:00:00 AM
SP 3179-2, BH10-MW3	355472	Soil	None	15	7/6/2011	2:00:00 AM

The following methods were used for your sample(s):

Method Name	Reference
BTEX Methanol Soil	Based on SW846-8260
CN Free Soil	Based on APHA-4500
CONDISOIL	Based on APHA-2510
Cr (VI) Soil/IC	Based on EPA SW-846 3060a & 7199
ICPMS HWExt. Soil Boron	Based on MOE
ICPMS Soil	Based on SW846-6020
Mercury Soil CV	Based on EPA 7470
Moisture	In House
PHC F1 Soil	CWS PHC Tier I CCME
PHC F2-F4 Soil	CWS PHC Tier I CCME
pHSOIL	Based on APHA-4500

Laboratory Comments

This report has been approved by

Rita Rienguette, Chem. Eng. Tech.

Organic Section Head

Mark Charbonneau, Ph D

Inorganic Section Head

Brett Rogerson, B. Sc

Metals Section Head

**Work Order Results: Petroleum Hydrocarbons**

Lab Number	355471	Regulation Criteria (O.Reg 511/09 Table 3)
Sample Name	SP 3179-1 BHB-MW1	Industrial/Commercial/ Community Soil (Fine/Medium)
MDL	Units	
<b>BTEX Methanol Soil</b>		
Benzene	<0.018 0.018 µg/g	0.4
Ethylbenzene	<0.018 0.018 µg/g	19
m+p-Xylene	<0.018 0.018 µg/g	
o-Xylene	<0.018 0.018 µg/g	
Toluene	<0.035 0.035 µg/g	78
Total Xylenes	<0.0048 0.0048 µg/g	30
Toluene-d8 (Surr.)	80 N/A % Rec	
QAQC ID Analysis	20110710 R14bs	
QAQC ID Prep	20110711 Preps	
<b>PHC F1 Soil</b>		
F1 (C6-C10) Incl. BTEX	<3.9 3.9 µg/g	
F1 (C6-C10) - Less BTEX	<3.9 3.9 µg/g	65
QAQC ID Analysis	20110710 R591fs	
QAQC ID Prep	20110711 Preps	
<b>PHC F2-F4 Soil</b>		
F2 (C10-C16)	3.7 1.6 µg/g	250
F3 (C16-C34)	25 3.6 µg/g	2500
F4 (C34-C50)	<5.2 5.2 µg/g	6600
o-Terphenyl (Surr.)	75 N/A % Rec	
QAQC ID Analysis	20110711 R592b7	
QAQC ID Prep	20110711 Preps	

**Work Order Results: ICPMS**

Lab Number: 355472  
Sample Name: SP 3179-2  
BH10-MW3  
MDL: 0.0723  
355472(c)  
SP 3179-2  
BH10-MW3  
MDL: 0.0477  
0.004  
20110714.R13nr  
20110712.R52A  
20110714.R13nr  
20110712.R52A

Regulation Criteria  
(O.Reg 511/09 Table  
3  
Industrial/Commercial/  
Community Soil  
Fines/Medium)

**ICPMS HWExt. Soil**

**Boron**  
Boron, Extractable (HWE) 0.0723 0.004 0.0477 0.004 µg/g  
QAQC ID Analysis 20110714.R13nr 20110714.R13nr  
QAQC ID Prep 20110712.R52A 20110712.R52A

**ICPMS Soil**

Element	Result	MDL	MDL	Units	Regulation Criteria
Lithium	3.4	2.5		µg/g	
Beryllium	<0.5	0.5		µg/g	10
Magnesium	960	2		µg/g	
Aluminum	2110	0.5		µg/g	
Phosphorus	349	25		µg/g	
Calcium	1180	25		µg/g	
Scandium	4	0.5		µg/g	
Titanium	78.8	0.5		µg/g	
Vanadium	9.33	0.5		µg/g	
Chromium	4.2	0.5		µg/g	
Manganese	212	0.5		µg/g	
Iron	3800	1000		µg/g	
Cobalt	1.79	0.05		µg/g	100
Nickel	2.5	0.5		µg/g	340
Copper	5.08	0.5		µg/g	300
Zinc	18.8	0.5		µg/g	
Gallium	1.1	0.5		µg/g	
Arsenic	<0.5	0.5		µg/g	
Selenium	<0.5	0.5		µg/g	
Rubidium	2.2	0.5		µg/g	
Strontium	3.9	0.5		µg/g	
Yttrium	7.14	0.5		µg/g	
Zirconium	<0.5	0.5		µg/g	
Niobium	<0.5	0.5		µg/g	
Molybdenum	<0.05	0.05		µg/g	
Silver	<0.05	0.05		µg/g	50
Cadmium	0.063	0.05		µg/g	
Tin	<0.5	0.5		µg/g	
Antimony	<0.5	0.5		µg/g	50



WorkOrder: 131636  
 Project:  
 Company: Soil Probe Ltd.

Sample Name	Lab Number	355472	355472(i)	Regulation Criteria (O Reg 511/09 Table 3)
Cesium	SP 3179-2 BH10-MW3	MDL	MDL	Industrial/Commercial/ Community Soil Fine/Medium
Barium	<0.5	0.5		µg/g
Lanthanum	1.9	0.5		µg/g
Cerium	2.3	0.5		µg/g
Europium	5.39	0.5		µg/g
Tungsten	<0.5	0.5		µg/g
Mercury	<0.5	0.5		µg/g
Thallium	<0.05	0.05		20
Lead	<0.5	0.5		µg/g
Bismuth	1	0.5		µg/g
Thorium	<0.5	0.5		µg/g
Uranium	<0.5	0.5		µg/g
Silicon	490	300		µg/g
Tellurium	<0.5	0.5		µg/g
Boron (Not Hot Water Extractable)	3.2	1		µg/g
Sulfur	950	400		µg/g
QAQC ID Analysis	20110713 R13na			
QAQC ID Prep	20110712.R52A			

**Work Order Results: Cr6**

Lab Number	355472	355472(i)	Regulation Criteria (O. Reg 517/09 Table 3)
Sample Name	SP 3179-2 BH10-MW3	MDL	Industrial/Commercial/ Community Soil Fine/Medium
Cr(VI)	0.38	0.41	10
QAQC ID Analysis	20110714 R83.1A	0.2	µg/g
QAQC ID Prep	20110714 R83.1A	0.2	MDL



**Work Order Results: HgCV**

Lab Number: 355472  
Sample Name: SP 3179-2, BH10-MW3  
Regulation Criteria (O.Reg 511/09 Table 3): Industrial/Commercial/Community Soil (Fine/Medium)

355472(1)  
MDL: 0.019, 0.017, 0.0051  
MDL: 20110714.RBA, 20110713.RE2E

**Mercury Soil CV**

Mercury	0.019	0.005	0.017	0.0051	µg/g	20
QAQC ID Analysis	20110714.RBA		20110714.RBA			
QAQC ID Prep	20110713.RE2E		20110713.RE2E			



**Testmark Laboratories Ltd.**

Committed to Quality and Service

Work Order: 131636  
Project:  
Company: Soil Probe Ltd.

**Work Order Results: General Chemistry**

Lab Number	355471	355472	355472(r)	Regulation Criteria (O.Reg 511/05 Table 3)
Sample Name	SP 3179-1 BHB-MW1	SP 3179-2 BH10-MW3	SP 3179-2 BH10-MW3	Industrial/Commercial Community Soil Fine/Medium
	MDL	MDL	MDL	Units

**CN Free Soil**

Free Cyanide	0.016	0.002	0.016	0.002	µg/g
QAQC ID Analysis	20110713.R43.4A	20110713.R43.4A	20110713.R43.4A	20110713.R43.4A	
QAQC ID Prep					

**CONDUCTIVITY**

Conductivity	51.1	1	52.9	1	µS/cm
QAQC ID Analysis	20110714.R12D	20110714.R12D	20110714.R12D	20110714.R12D	
QAQC ID Prep	20110712.R12C	20110712.R12C	20110712.R12C	20110712.R12C	

**MOISTURE**

% Moisture	17.3	0.1	8.97	0.1	%
QAQC ID Analysis	20110708.R99m3	20110712.R69B	20110712.R69B		
QAQC ID Prep					

**pH**

pH	6.50	N/A	6.52	N/A	pH
QAQC ID Analysis	20110712.R2C	20110712.R2C	20110712.R2C	20110712.R2C	
QAQC ID Prep	20090910.R43.4A	20090910.R43.4A	20090910.R43.4A	20090910.R43.4A	



**Testmark Laboratories Ltd.**

*Committed to Quality and Service*

Work Order 131635  
Project:  
Company Soil Probe Ltd.

MDL Method detection limit or minimum reporting limit.  
% Rec. Surrogate compounds are added to the sample in some cases and the recovery is reported as a percent recovered.  
QA/QC/D. This is a unique reference to the quality control data set used to generate the reported value.  
Data reported for organic analysis in soil samples are corrected for moisture content.  
Matrix If the matrix is a leachate the sample was extracted according to regulation 558.  
INT Interferences  
TNTC Too numerous to count  
ND Not detected

Unless otherwise specified in the sample comments section of the report, the following statements apply to all samples which were analyzed using the CCME PHC method.

The method as performed complies with the Reference Method for the CCME PHC and is validated for use in this laboratory.

The Chromatogram descended to the baseline at or before nC50.

The nC6 and nC10 response factors were within 30% of the response factor for Toluene.

The nC10, nC16, and nC34 response factors were within 10% of their average.

The nC50 was at least 70% of the nC10-nC16-nC34 average.

The linearity of the calibration curve was within 15% based on response factor.

Any QC data is available on request.

Extraction and analysis hold times were met.

If F4G results are reported, they are not to be added to the C6 to C50 results.

BTEX and selected PAHs have been subtracted from the appropriate fractions only if the parameter names are F1-BTEX, F2-NAPTH, and F3-PAH, otherwise, these compounds have not been subtracted from their respective fractions.

**QUALITY CONTROL DATA**

	Lab Control Sample			Method Blank				
	LCL	Result	UCL	Units	LCL	Result	UCL	Units
<b>BTEX Methanol Soil</b>								
Benzene	60	77	130	% Rec	0	<0.0062	0.03	µg/g
Ethylbenzene	60	74	130	% Rec	0	<0.0062	0.03	µg/g
m+p-Xylene	60	78	130	% Rec	0	<0.0062	0.03	µg/g
o-Xylene	60	74	130	% Rec	0	<0.0062	0.03	µg/g
Toluene	60	78	130	% Rec	0	<0.012	0.05	µg/g
Toluene-d8 (Surr)		N/A			70	89	130	% Rec
QAOC ID Analysis					20110710.R14bs			

	% RPD			Lab Control Sample				
	LCL	Result	UCL	Units	LCL	Result	UCL	Units
<b>CONDSOIL</b>								
Conductivity	0	3.460	10	%	85	99.2	115	µS/cm
QAOC ID Analysis					20110714.R12D			

	% RPD			Lab Control Sample			Matrix Spike			Method Blank		
	LCL	Result	UCL	Units	LCL	Result	UCL	Units	LCL	Result	UCL	Units
<b>Cr (VI) Soil/IC</b>												
Cr(VI)	0	7.590	35	%	85	394	115	% Rec	70	103.210	130	% Rec
QAOC ID Analysis					20110714.R83.1A				20110714.R83.1A			

	Method Blank			
	LCL	Result	UCL	Units
<b>ICPMS Soil</b>				
Aluminum	0	<2	0.6	µg/g
Antimony	0	<0.5	0.1	µg/g
Arsenic	0	<0.5	0.1	µg/g
Barium	0	<0.5	0.1	µg/g
Beryllium	0	<2.5	0.1	µg/g
Bismuth	0	<0.5	0.1	µg/g
Cadmium	0	<0.5	0.1	µg/g
Calcium	0	<2.5	1	µg/g
Cerium	0	<0.5	0.1	µg/g



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Work Order: 131636  
Project: Soil Probe Ltd  
Company:

	Method Blank			Units
	LCL	Result	UCL	
Cesium	0	<0.5	0.1	µg/g
Chromium	0	<0.5	0.1	µg/g
Cobalt	0	<0.5	0.1	µg/g
Copper	0	<0.5	0.1	µg/g
Europium	0	<0.5	0.1	µg/g
Gallium	0	<0.5	0.1	µg/g
Iron	0	<0.5	0.4	µg/g
Lanthanum	0	<0.5	0.1	µg/g
Lead	0	<0.05	0.1	µg/g
Magnesium	0	<1	0.3	µg/g
Manganese	0	<0.5	0.1	µg/g
Mercury	0	<0.5	0.1	µg/g
Molybdenum	0	<0.5	0.1	µg/g
Nickel	0	<0.5	0.1	µg/g
Niobium	0	<0.5	0.1	µg/g
Phosphorus	0	<25	15	µg/g
Rubidium	0	<0.5	0.1	µg/g
Scandium	0	<0.5	0.1	µg/g
Selenium	0	<0.5	0.1	µg/g
Silver	0	<0.5	0.1	µg/g
Strontium	0	<0.5	0.1	µg/g
Thallium	0	<0.5	0.1	µg/g
Thorium	0	<0.5	0.1	µg/g
Tin	0	<2.5	0.5	µg/g
Titanium	0	<0.5	0.1	µg/g
Tungsten	0	<0.5	0.1	µg/g
Uranium	0	<0.5	0.1	µg/g
Vanadium	0	<0.5	0.1	µg/g
Yttrium	0	<0.5	0.1	µg/g
Zinc	0	<0.5	0.2	µg/g
Zirconium	0	<0.5	0.1	µg/g

20110713.R13na

QAQC ID Analysis



**Testmark Laboratories Ltd.**

Committed to Quality and Service

Work Order: 131636  
Project:  
Company: Soil Probe Ltd.

	SS2 CRM		
	LCL	Result	UCL
<b>ICPMS Soil</b>			
Aluminum	6743	10300	19787
Arsenic	25	58.6	125
Barium	145	145	281
Calcium	87443	120000	138279
Chromium	14	19.3	54
Cobalt	9	9.63	15
Copper	139	160	243
Iron	12831	16000	29261
Lead	68	97	184
Lithium	5	9.6	23
Magnesium	7628	13500	14502
Manganese	324	421	590
Nickel	33	47.9	75
Strontium	156	190	272
Titanium	298	829	1402
Vanadium	17	17	51
Zinc	337	410	597
QAQC ID Analysis	20110713.R13na		

	Lab Control Sample			Method Blank		
	LCL	Result	UCL	LCL	Result	UCL
<b>ICPMS/ICLP</b>						
Arsenic	0.08	0.0991	0.12	0	<0.001	0.005
Barium	0.08	0.0906	0.12	0	<0.001	0.005
Cadmium	0.08	0.102	0.12	0	<0.0001	0.005
Chromium	0.09	0.102	0.11	0	<0.001	0.005
Lead	0.08	0.0993	0.12	0	<0.001	0.005
Selenium	0.08	0.0981	0.12	0	<0.001	0.005
Mercury		N/A		0	<0.0001	0.005
Silver		N/A		0	<0.005	0.005
Uranium		N/A		0	<0.001	0.005
QAQC ID Analysis	20110714.R13nr			20110714.R13nr		



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Work Order: 131636  
Project:  
Company: Soil Probe Ltd.

	%RPD			Calibration Check			Method Blank		
	LCL	Result	UCL	LCL	Result	UCL	LCL	Result	UCL
<b>Mercury Soil CV</b>									
Mercury	0	11.110	30	90	94.2	110	0	<0.005	0.01
QAQC ID Analysis	20110714.R8A			20110714.R8A			20110714.R8A		

	Lab Control Sample			Method Blank		
	LCL	Result	UCL	LCL	Result	UCL
<b>PHC F1 Soil</b>						
F1 (C6-C10) Incl. BTEX	10	16	30	0	<2.7	10
QAQC ID Analysis	20110710.R59f1s			20110710.R59f1s		

	Instr. Control Check			Lab Control Sample 7b			Method Blank		
	LCL	Result	UCL	LCL	Result	UCL	LCL	Result	UCL
<b>PHC F2-F4 Soil</b>									
F2 (C10-C16)	500	620	900	300	305	700	0	<3.2	20
F3 (C16-C34)	75	200	300	700	734	1200	0	<7.5	40
o-Terphenyl (Surr.)		N/A		50	73	105	50	76	105
F4 (C34-C50)		N/A			N/A		0	<11	55
QAQC ID Analysis	20110711.R59f2b7			20110711.R59f2b7			20110711.R59f2b7		

	%RPD			Lab Control Sample		
	LCL	Result	UCL	LCL	Result	UCL
<b>pH SOIL</b>						
pH	0	0.020	0.3	6.85	7.10	7.15
QAQC ID Analysis	20110712.R2C			20110712.R2C		

LCL Lower Control Limit  
UCL Upper Control Limit



**REPORT NO.: 2011-23187**  
**FILE NO.: SP-3179**  
**JACAN CONSTRUCTION LTD.**

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## **APPENDIX C**

### **CHEMICAL TEST RESULTS CERTIFICATE OF ANALYSIS OF GROUNDWATER SAMPLES**

**PHASE II; DUE DILIGENCE SUBSURFACE INVESTIGATION**  
**1110 LORNE PARK ROAD, MISSISSAUGA, ONTARIO**

**SOIL PROBE LTD.**





**Testmark Laboratories Ltd.**

Committed to Quality and Service

WorkOrder: 132956  
Project: 11-2526  
Company: TRY Environmental Services Inc.

## Certificate of Analysis

Contact: Ostry, Robert  
Company: TRY Environmental Services Inc.  
8 Widdicombe Hill  
Toronto, Ontario, M9R 1B3  
Phone: (416) 246-1107  
Fax: (416) 246-1127  
Email: try.env@rogers.com

Date Received: 7/26/2011 12:00:00 AM  
Regulation: O.Reg 511/09 Table 3 Ground Water Stringent  
PO#: None Given  
Project: 11-2526  
DWS#: None Given  
Sampled By: None Given

### Work Order Summary:

Analyses were performed on the following samples:

The results relate only to the items tested

Sample Name	Lab #	Matrix	Type	Temp (°C)	Date Collected	Time Collected
BH8 Lorne	358363	Water	Grab	14	7/22/2011	11:00:00 AM
BH10 Lorne	358364	Water	Grab	14	7/22/2011	11:30:00 AM
BH9 Lorne	358365	Water	Grab	14	7/22/2011	12:00:00 PM

The following methods were used for your sample(s):

Method Name	Reference
VOC water	Based on EPA 624

### Laboratory Comments:

Receiving temperature for Samples exceeded 10°C as required under Regulation 511  
See sample comments

This report has been approved by:

Rita Rienguelle, Chem. Eng. Tech.

Organic Section Head



**Testmark Laboratories Ltd.**

Committed to Quality and Service

Work Order: 132956  
Project: 11-2526  
Company: TRY Environmental Services Inc.

**Work Order Results: Volatile Organic Compounds**

Regulation Criteria  
(O.Reg 517/09 Table  
3 Ground Water  
Stringent)

358365

358364

358363

Sample Name	BH8 Lorne	MDL	BH10 Lorne	MDL	BH9 Lorne	MDL	Units	Regulation Criteria
<b>VOC water</b>								
1,1,1,2-Tetrachloroethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	3.3
1,1,1-Trichloroethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	640
1,1,1,2,2-Tetrachloroethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	3.2
1,1,2-Trichloroethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	4.7
1,1-Dichloroethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	370
1,1-Dichloroethylene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	1.6
1,2,4-Trichlorobenzene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	180
1,2-Dibromo-3-chloropropane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
1,2-Dibromoethane	<0.2	0.2	<0.2	0.2	<0.2	0.2	ug/L	0.25
1,2-Dichlorobenzene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	4600
1,2-Dichloroethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	1.6
1,2-Dichloropropane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	16
1,3-Dichlorobenzene	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L	9600
1,3-Dichloropropane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
1,4-Dichlorobenzene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	8
Acetone	<30	30	<30	30	<30	30	ug/L	130000
Benzene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	44
Bromobenzene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
Bromochloromethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
Bromodichloromethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	85000
Bromoform	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	380
Bromomethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	5.6
Carbon tetrachloride	<0.2	0.2	<0.2	0.2	<0.2	0.2	ug/L	0.79
Chlorobenzene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	630
Chloroethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
Chloroform	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	2.4
Chloromethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
Cis-1,2-dichloroethylene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	1.6
Cis-1,3-dichloropropene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
Dibromochloromethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	82000
Dibromomethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	
Dichloromethane	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	6.10
Ethylbenzene	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L	2300
Front 12	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	4400
Hexachlorobutadiene	<0.25	0.25	<0.25	0.25	<0.25	0.25	ug/L	0.44

Report Date: 8/2/2011

7 Margaret Street, Garson, Ontario, Canada, P3L 1E1  
Phone (705) 693-1121 Fax: (705) 693-1124 Web: www.testmark.ca



# Testmark Laboratories Ltd.

Committed to Quality and Service

WorkOrder: 132956  
Project: 11-2526  
Company: TRY Environmental Services Inc.

Lab Number	358363	358364	358365	Regulation Criteria (O.Reg 51/09 Table 3 Ground Water Stringent)
Sample Name:	BH8 Lome	BH10 Lome	BH9 Lome	Units
	MDL	MDL	MDL	
Hexana	<0.5	<0.5	<0.5	ug/L
m,p-Xylene	<0.25	<0.25	<0.25	ug/L
Methyl Ethyl Ketone	<0.5	<0.5	<0.5	ug/L
Methyl tert-Butyl Ether (MTBE)	<0.5	<0.5	<0.5	190
Methylisobutylketone	<0.5	<0.5	<0.5	140000
Naphthalene	<0.25	<0.25	<0.25	1400
o-Xylene	<0.25	<0.25	<0.25	ug/L
Styrene	<0.25	<0.25	<0.25	1300
Tetrachloroethylene	<0.25	<0.25	<0.25	1.6
Toluene	<0.25	<0.25	<0.25	18000
Total Xylenes	<0.35	<0.35	<0.35	4200
Trans-1,2-dichloroethylene	<0.25	<0.25	<0.25	1.6
Trans-1,3-dichloropropene	<0.25	<0.25	<0.25	ug/L
Trichloroethylene	<0.25	<0.25	<0.25	1.6
Trichlorofluoromethane	<0.25	<0.25	<0.25	2500
Vinylchloride	<0.25	<0.25	<0.25	0.5
1,2-Dichloroethane-d4 (Surr)	104	N/A	111	% Rec
1-Bromo-4-fluorobenzene (Surr)	120	N/A	88	% Rec
Toluene-d8 (Surr)	114	N/A	115	% Rec
QAQC ID Analysis	20110727.R14ww	20110727.R14ww	20110727.R14ww	
QAQC ID Prep				

# Testmark Laboratories Ltd.

Committed to Quality and Service

Work Order: 132956  
Project: 11-2526  
Company: TRY Environmental Services Inc.

MDL Method detection limit or minimum reporting limit.  
% Rec Surrogate compounds are added to the sample in some cases and the recovery is reported as a percent recovered.  
QA/QC This is a unique reference to the quality control data set used to generate the reported value.  
Data reported for organic analysis in soil samples are corrected for moisture content.  
Matrix If the matrix is a leachate, the sample was extracted according to regulation 558.  
INT Interferences  
TNTC Too numerous to count  
ND Not detected

Unless otherwise specified in the sample comments section of the report, the following statements apply to all samples which were analyzed using the CCME PHC method.

The method as performed complies with the Reference Method for the CWIS PHC and is validated for use in the laboratory.

The Chromatogram detrended to the baseline at or before nC50.

The nC8 and nC10 response factors were within 30% of the response factor for Toluene.

The nC10, nC16, and nC34 response factors were within 10% of their average.

The nC50 was at least 70% of the nC10-nC16-nC34 average.

The linearity of the calibration curve was within 15% based on response factor.

Any OC data is available on request.

Extraction and analysis hold times were met.

If F&G results are reported, they are not to be added to the C5 to C50 results.

BTEX and selected PAHs have been subtracted from the appropriate fractions only if the parameter names are F 1-BTEX, F2-NAPTH, and F3-PAH, otherwise, these compounds have not been subtracted from their respective fractions.

**QUALITY CONTROL DATA**

VOC water	20 ppb Blank Spike				Method Blank			
	LCL	Result	UCL	Units	LCL	Result	UCL	Units
1,1,1,2-Tetrachloroethane	13	22.7	27	ug/L	0	<0.23	2.5	ug/L
1,1,1-Trichloroethane	13	22.7	27	ug/L	0	<0.4	2.5	ug/L
1,1,2,2-Tetrachloroethane	13	15.7	27	ug/L	0	<0.47	2.5	ug/L
1,1,2-Trichloroethane	13	19.4	27	ug/L	0	<0.47	2.5	ug/L
1,1-Dichloroethane	13	24.5	27	ug/L	0	<0.29	2.5	ug/L
1,1-Dichloroethylene	13	17.3	27	ug/L	0	<1.7	2.5	ug/L
1,2,4-Trichlorobenzene	13	25	27	ug/L	0	<0.26	2.5	ug/L
1,2-Dibromo-3-chloropropane	13	14.4	27	ug/L	0	<0.62	2.5	ug/L
1,2-Dibromoethane	13	17.1	27	ug/L	0	<0.41	2.5	ug/L
1,2-Dichlorobenzene	13	25.8	27	ug/L	0	<0.39	2.5	ug/L
1,2-Dichloroethane	13	22.6	27	ug/L	0	<0.33	2.5	ug/L
1,2-Dichloroethane-d4 (Surr)	70	89	130	% Rec	70	114	130	% Rec
1,2-Dichloropropane	13	19.1	27	ug/L	0	<0.53	2.5	ug/L
1,3-Dichlorobenzene	13	27	27	ug/L	0	<0.33	2.5	ug/L
1,3-Dichloropropane	13	20.4	27	ug/L	0	<0.51	2.5	ug/L
1,4-Dichlorobenzene	13	26.7	27	ug/L	0	<0.33	2.5	ug/L
1-Bromo-4-fluorobenzene (Surr)	70	91	130	% Rec	70	73	130	% Rec
Acetone	500	1040	1400	ug/L	0	<30	300	ug/L
Benzene	13	21	27	ug/L	0	<0.37	2.5	ug/L
Bromobenzene	13	24.2	27	ug/L	0	<0.26	2.5	ug/L
Bromochloromethane	13	21.9	27	ug/L	0	<0.29	2.5	ug/L
Bromodichloromethane	13	19.2	27	ug/L		N/A		
Bromoforn	13	13	27	ug/L	0	<0.25	2.5	ug/L
Bromomethane	13	17.1	27	ug/L	0	<1.1	2.5	ug/L
Carbon tetrachloride	13	23.8	27	ug/L	0	<0.34	2.5	ug/L
Chlorobenzene	13	24.1	27	ug/L	0	<0.26	2.5	ug/L
Chloroethane	13	22.9	27	ug/L	0	<0.61	2.5	ug/L
Chloroform	13	21.5	27	ug/L	0	<0.28	2.5	ug/L
Chloromethane	13	24.6	27	ug/L	0	<0.83	2.5	ug/L
Cis-1,2-dichloroethylene	13	16.9	27	ug/L	0	<0.48	2.5	ug/L



**Testmark Laboratories Ltd.**

Committed to Quality and Service

WorkOrder: 132956  
Project: 11-2526  
Company: TRY Environmental Services Inc.

	20 ppb Blank Spike			Method Blank				
	LCL	Result	UCL	Units	LCL	Result	UCL	Units
Dibromochloromethane	13	18.7	27	ug/L	0	<0.58	2.5	ug/L
Dibromomethane	13	13	27	ug/L	0	<0.65	2.5	ug/L
Dichloromethane	13	16.7	27	ug/L	0	<0.42	2.5	ug/L
Ethylbenzene	13	27	27	ug/L	0	<0.54	2.5	ug/L
Freon 12	13	25.6	27	ug/L	0	<0.33	2.5	ug/L
Hexachlorobutadiene	13	15.9	27	ug/L	0	<0.71	2.5	ug/L
m+p-Xylene	27	44.5	55	ug/L	0	<0.47	2.5	ug/L
Methyl Ethyl Ketone	60	88.3	140	ug/L	0	<0.5	5	ug/L
Methyl tert-Butyl Ether (MTBE)	60	92	140	ug/L	0	<0.5	5	ug/L
Methylisobutylketone	60	73.9	140	ug/L	0	<0.5	5	ug/L
Naphthalene	13	24.5	27	ug/L	0	<0.59	2.5	ug/L
o-Xylene	13	26.5	27	ug/L	0	<0.37	5	ug/L
Styrene	13	21.5	27	ug/L	0	<0.22	2.5	ug/L
Tetrachloroethylenes	13	21.5	27	ug/L	0	<0.44	2.5	ug/L
Toluene	13	26.6	27	ug/L	0	<0.75	2.5	ug/L
Toluene-d8 (Surr )	70	123	130	% Rec	70	113	130	% Rec
Trans-1,2-dichloroethylene	13	17	27	ug/L	0	<1.4	2.5	ug/L
Trichloroethylene	13	19	27	ug/L	0	<0.97	2.5	ug/L
Trichlorofluoromethane	13	23.2	27	ug/L	0	<1	2.5	ug/L
Vinylchloride	13	23.9	27	ug/L	0	<0.78	2.5	ug/L
QAQC ID Analysis	20110727.R14vw				20110727.R14vw			

LCL Lower Control Limit  
UCL Upper Control Limit