



ENVIROVISION INC.

June 7, 2022

Vincent Pugliese
Sterling Group
20 Rivermede Road, Suite 204
Concord, ON L4K 3N3

**Re: Phase II Environmental Site Assessment
Lots 59 and 210-A, Part Of Lots 210-E and 210-F, Registered Plan Number 8
Wellington, Ontario, Canada**

Dear Mr. Pugliese:

Envirovision Inc. (“Envirovision”) was retained by Sterling Group (the “Client”) to complete a Phase II Environmental Site Assessment (“ESA”) for two properties described as Lots 59 and 210-A, Part of Lots 210-E and 210-F, Registered Plan No. 8, Wellington, Ontario (the “Site”). A site location map is attached as Drawing DWG-1.1 (Attachment 1).

The Site consists of two undeveloped parcels of land used primarily for agricultural purposes separated by Cleminson Road: one parcel is situated to the west of the road and the other parcel is situated to the east of the road.

BACKGROUND

Envirovision completed a Phase I ESA report for the Site in February 2022 (the “*Envirovision February 2022 Phase I ESA Report*”). The following significant information was obtained from the *Envirovision February 2022 Phase I ESA Report*:

- At the time of the Phase I ESA inspection the Site consisted of two undeveloped parcels of land used primarily for agricultural purposes separated by Cleminson Road.
- One parcel is situated to the west of the road (“West Parcel”) and covers an area of approximately 11,354. square metres (“sq.m.”), and the other parcel is situated to the east

of the road (“East Parcel”) and covers an area of approximately 20,925. sq.m.

- Areas of dense vegetation (trees/bushes) and overgrown with grasses were present along the Site’ north, west and east boundaries, with the exception of an access area leading from Consecon Street to the east. Several rural structures (i.e. barn, dwelling, shed and/or garage) were previously present on the parcel to the east of Cleminson Road at least from the 1950s to the 1970s.
- Historically, the Site has been used primarily for agricultural purposes since at least 1930.
- The owner purchased the Site in the late 1970s. At the time of purchase a foundation of a former structure was present in the northwest corner of the Site’s east parcel. The Site has been used for agricultural purposes (i.e. hay field) since it was purchased. No herbicides or pesticides have been used during this period.
- The neighbouring properties were used for commercial, agricultural and residential purposes: Millennium Trail (former railway line) followed by agricultural land, Home Building Centre, a building supplies facility, and Clark’s Automotive, an automotive repair shop, at 70 and 93 Cleminson Drive, to the north; residential properties and a building occupied by Royal Canadian Legion Branch 160 at 364 Wellington Main Street were present to the south; residential properties along Consecon Street to the east; and vacant land to the west of the Site.
- No potentially contaminating activities (“PCA”) were identified for the Site.
- However, several PCAs were identified for the properties in the immediate vicinity of the Site:
 - A railway line was previously present along the north side of the Site.
 - A cannery factory was previously situated on the property immediately to the northwest of the Site at 70 Cleminson Drive.
 - Clark’s Automotive, an automotive repair shop, is present on the property immediately to the north of the Site at 93 Cleminson Drive.
 - The Ontario Spills database included in the Database Report provided by EcoLog ERIS Ltd. (“EcoLog”) indicates that diesel and douse water were released to a creek during a tank fire in December 2013 on the property at 90 Cleminson Drive, situated approximately at 50 metres to the north of the Site.

Based on the findings of the Phase I ESA, Envirovision recommended a Phase II ESA to be completed to address the PCAs identified.

SCOPE OF WORK

The purpose of the Phase II ESA was to evaluate the environmental condition of the subsurface soils and groundwater on the Site. However, this ESA has not been completed for the purpose of filing a Record of Site Condition.

The ESA was undertaken in conjunction with a geotechnical/hydrogeological investigation completed by Canada Engineering Services Inc. (“CESI”) in May 2022. CESI supervised the drilling activities and monitoring wells installation, and collected soil samples and provided to Envirovision for laboratory analysis.

ASSESSMENT CRITERIA

Provincial soil and groundwater standards are currently available in the Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ministry of the Environment, Conservation and Parks (“MECP”), April 15, 2011 (the “*Standards Document*”). The following rationale was used to select the applicable site restoration standards from this document:

Site Environmental Sensitivity: The overburden thickness on the majority of the Site is less than 2.0 metres and there appear to be no ‘water bodies’ within 30 metres of the Site’s boundaries. However, the Site is situated within an area designated as an ‘Intake Protection Zone’ due to the use of Lake Ontario as the potable water source for the Village of Wellington.

Land Use: The Site is used for agricultural purposes. The future use of the Site is residential.

Groundwater Use: The Site does not currently have water service; however, if developed, potable water for the Site will be provided by the Village of Wellington.

Depth and Soil Texture Criteria Selection: The subsurface soils encountered on the Site during the drilling activities consisted of silty sand and gravel underlain by bedrock. The bedrock was encountered at depths of 0.15 to 2.59 metres below ground surface (“MBGS”). Grain size analysis completed by CESI for several of the soil samples collected from the silty sand and gravel layer indicated that the material is coarse textured (see Attachment 4).

Based on the above considerations and the proposed future development, the residential/parkland/institutional property use soil standards and the groundwater standards for coarse textured soils from *Table 7: Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition* of the *Standards Document* were selected for assessment

purposes. It should be noted that the groundwater standards apply to all types of property uses (i.e. industrial/commercial and residential).

FIELD ACTIVITIES

A total of 18 boreholes (BH1 to BH18) were drilled on the Site on May 19 and 20, 2022. The boreholes were drilled using track-mounted power drilling equipment supplied and operated by Young Drilling Inc. (“YDI”), a specialized contractor experienced in environmental investigations. The drilling operations were completed by standard drilling procedures using the direct-push drilling method, which consists of continuously advancing the sampling tools into the soil. YDI advanced hollow-stem split- spoon samplers, driven by a 140-lb hammer falling 760 mm (30 inches), to obtain soil samples. The drilling program was supervised by CESI. The locations of the boreholes drilled are provided in Attachment 2.

CESI collected all soil samples using standard field protocols. Borehole soil samples were collected from the subsurface soils shown on the attached borehole logs and placed into glass containers (two methanol-containing vials and two jars). Dedicated Terra Core samplers were used to place the soils into the vials. The samples in the glass containers were then provided to Envirovision.

Four of the boreholes (BH3, BH9, BH17 and BH18) drilled were completed as monitoring wells for the purpose of collecting groundwater samples. YDI used augers with 15 centimeters diameter to prepare the borehole locations for installing the monitoring wells. The boreholes were augered down to a maximum depth of 3.05 MBGS.

The static groundwater levels in the monitoring wells were measured using a calibrated electric water level meter on May 30, 2022. Following the static groundwater level measurements, groundwater samples were collected from two of the four monitoring wells installed – one from a well on each of the Site’s parcels (monitoring well BH3 on the West Parcel and monitoring well BH17 on the East Parcel).

The wells were purged of approximately three well volumes of water (or until water was no longer attainable) and allowed to return to 100 % of the static level prior to collecting a water sample. Groundwater samples were collected with bailers using standard field protocols and placed into laboratory-supplied containers (bottles and vials). The laboratory prepared the sampling containers with preservative added for the parameter-specific analysis, as required. Furthermore, VOCs/PHCs fraction F1 sample containers were completely filled, with no remaining headspace. The samples were then submitted to the laboratory.

INVESTIGATION FINDINGS

Stratigraphy

Borehole logs prepared by CESI describing the stratigraphy of the overburden materials encountered during the drilling activities and soil samples information is included as Attachment 3.

Field Observations

CESI indicated that no visual and/or olfactory evidence of environmental impact was observed in the soil samples collected from the boreholes drilled.

No visual and/or olfactory evidence of environmental impact was observed by Envirovision in the groundwater samples collected from monitoring wells BH3 and BH17. The final static water levels measured in the four monitoring wells present on the Site ESA on May 30, 2022 were between 0.38 and 2.86 MBGS.

Soils Laboratory Analytical Results

A total of eight discrete soil samples collected from the boreholes drilled were submitted by Envirovision to the laboratory. Two representative soil samples (BH5-SA2 and BH12-SA2) were selected for petroleum hydrocarbons (“PHCs”), volatile organic compounds (“VOCs”), polycyclic aromatic hydrocarbons (“PAHs”) and metals analysis. The laboratory’s Report of Analysis is attached in Attachment 5.

The laboratory test results indicate that the soil samples analyzed contained non-detectable and detectable PHCs, VOCs, PAHs and metals concentrations below the MECP standards selected for assessment purposes.

Groundwater Laboratory Analytical Results

A groundwater sample was collected by Envirovision from each of monitoring wells BH3 and BH17, and submitted to the laboratory for PHCs, VOCs, PAHs and metals analysis. The laboratory’s Report of Analysis is attached in Attachment 6.

The laboratory test results indicate that the groundwater samples analyzed contained non-detectable and detectable PHCs, VOCs, PAHs and metals concentrations below the MECP standards selected for assessment purposes.

CONCLUSIONS

Based on the field observations and testing, and the laboratory chemical test results, it is Envirovision's opinion that no further investigations activities are warranted for the Site.

LIMITATIONS

The scope of work presented in this Phase II ESA is based exclusively on information and data obtained, and observations made during the Phase II ESA investigation. Envirovision warrants that the services performed were conducted in a competent and professional manner in accordance with sound consulting practices and procedures.

The investigation results presented are based on the analytical results of soil and water samples collected from specific locations. The results of this investigation represent subsurface conditions in specific locations at the time of sampling. Concentrations of chemicals in soil and groundwater can vary over time and from one location to another. These results should not be used to predict conditions in other areas or future conditions. Envirovision cannot certify or warrant the site free of hazards beyond the limits of this assessment.

The Phase II ESA has been prepared for the sole use and benefit of the Client. The information contained in this report is confidential and cannot be used or relied upon by any person or entity other than the Client.

There are no third party rights or benefits conferred under this report. Use of this report is strictly limited to the Client. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it are the responsibility of such third parties. Envirovision accepts no responsibility for damages, if any suffered by any third party as a result of decisions made or actions based on this report.

Should you have any questions regarding the information contained herein, please feel free to contact us.

Prepared by:

ENVIROVISION INC.



Catalin Ionescu, P.Eng.
Senior Project Manager

Attachments:

Attachment 1 – Drawing 1.1 - Site Location Map.

Attachment 2 – Boreholes and Monitoring Wells Location Plan.

Attachment 3 – Borehole Logs.

Attachment 4 – Grain Size Analysis Results, CESI.

Attachment 5 – Laboratory Report of Analysis - Soil.

Attachment 6 – Laboratory Report of Analysis - Groundwater.

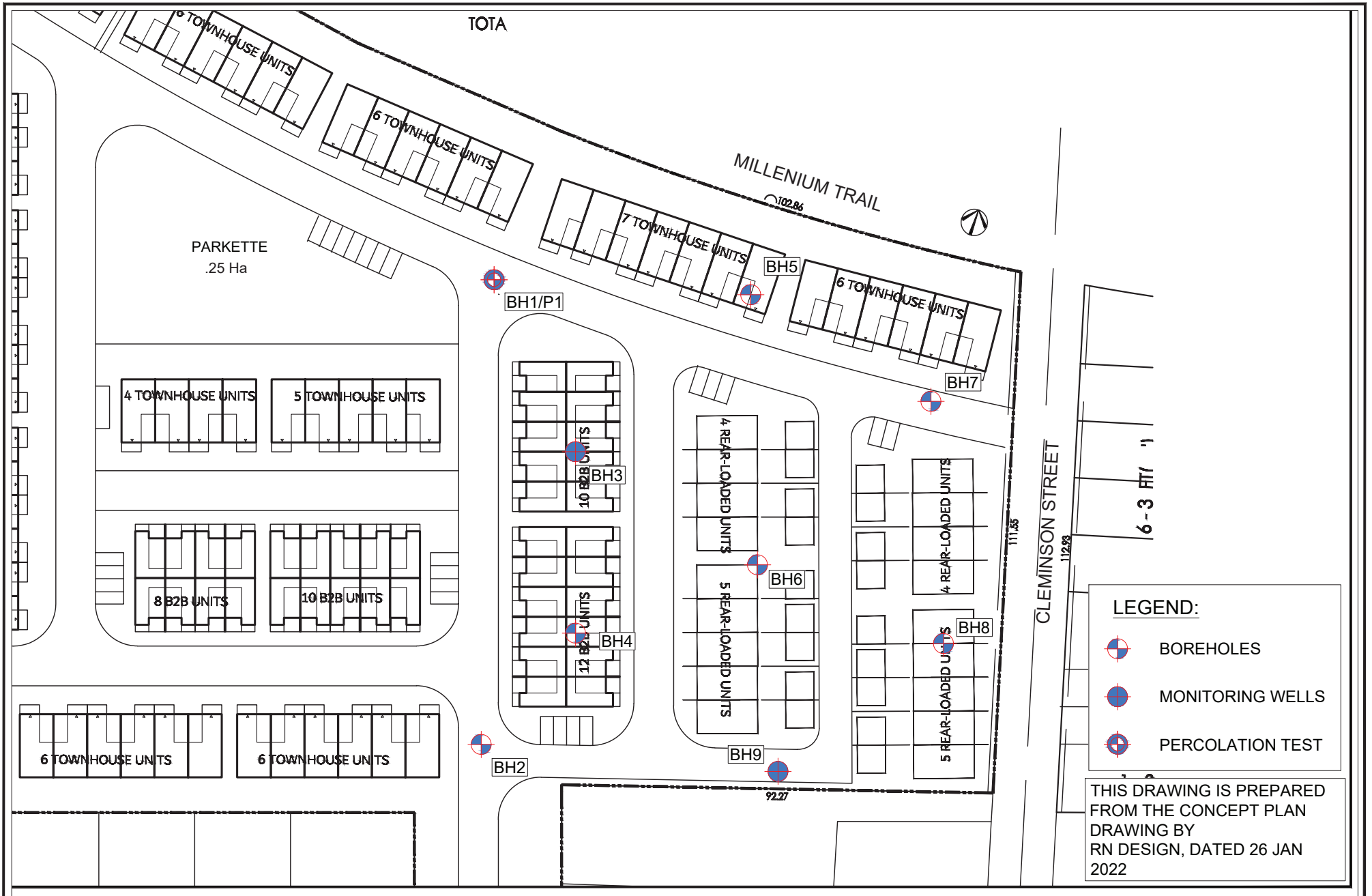
ATTACHMENTS


ATTACHMENT 1



LEGEND	SCALE: NTS	SITE LOCATION MAP	
	DATE: 1-JUN-22	 ENVIROVISION INC. 196 DRUMLIN CIRCLE, UNIT 3 CONCORD, ONTARIO, L4K 3E5 Phone: (905) 761-1783 Fax: (905) 761-6524	PHASE II ENVIRONMENTAL SITE ASSESSMENT LOTS 59 AND 210-A, PART OF LOTS 210-E AND 210-F REGISTERED PLAN NUMBER 8, WELLINGTON, ONTARIO DRAWING NO: DWG-1.1
	PROJECT: 5470		
	DRAWN BY: C.D.		
	CHECKED BY: C.I.		

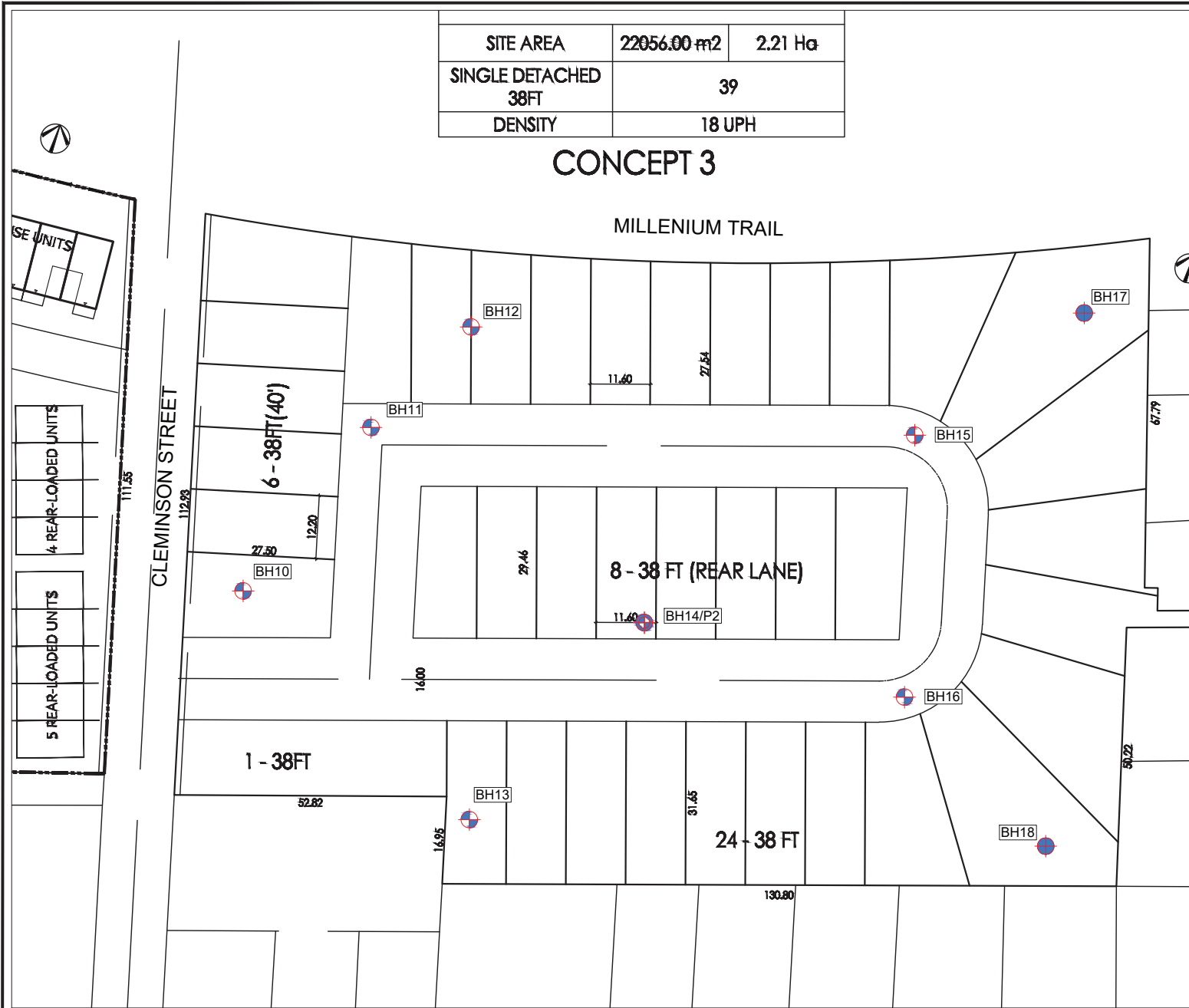
ATTACHMENT 2



<p>CLIENT: STERLING GROUP c/o STERLING HOMES</p> <p>20 RIVERMEDE ROAD, SUITE 204 CONCORD, ONTARIO L4K 3N3</p>	<p>PROJECT: GEOTECHNICAL AND HYDROGEOLOGICAL INVESTIGATION</p> <p>70 & 81 CLEMINSON ST PRINCE EDWARD, ONTARIO K0K 3L0</p>	<p>TITLE: BOREHOLE AND MONITORING WELLS LOCATION</p>	<p>SCALE: N.T.S.</p> <p>DRAWING NO: 1A</p>	<p>DATE: MAY / 2022</p> <p>PROJECT NO 220070</p>	 <p>CANADA ENGINEERING SERVICES INC. 39 DAVISBROOK BOULEVARD SCARBOROUGH, ONTARIO M1T 2H6 Ph: 416 492 4000 Fax: 416 492 4001 E-mail address: cesi@cesi.ca</p>
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SITE AREA	22056.00 m ²	2.21 Ha
SINGLE DETACHED 38FT	39	
DENSITY	18 UPH	

CONCEPT 3



LEGEND:

	BOREHOLES
	MONITORING WELLS
	PERCOLATION TEST

THIS DRAWING IS PREPARED FROM THE CONCEPT PLAN DRAWING BY RN DESIGN, DATED 26 JAN 2022

CLIENT:
STERLING GROUP c/o STERLING HOMES

20 RIVERMEDE ROAD, SUITE 204
CONCORD, ONTARIO
L4K 3N3

PROJECT:
GEOTECHNICAL AND
HYDROGEOLOGICAL INVESTIGATION

70 & 81 CLEMINSON ST
PRINCE EDWARD, ONTARIO
K0K 3L0

TITLE:
BOREHOLE AND MONITORING
WELLS LOCATION

SCALE: N.T.S.	DATE: MAY / 2022
DRAWING NO: 1B	PROJECT NO: 220070



CANADA ENGINEERING SERVICES INC.
39 DAVISBROOK BOULEVARD
SCARBOROUGH, ONTARIO M1T 2H6
Ph: 416 492 4000 Fax: 416 492 4001
E-mail address: cesi@cesi.ca

ATTACHMENT 3

Project No: 220039

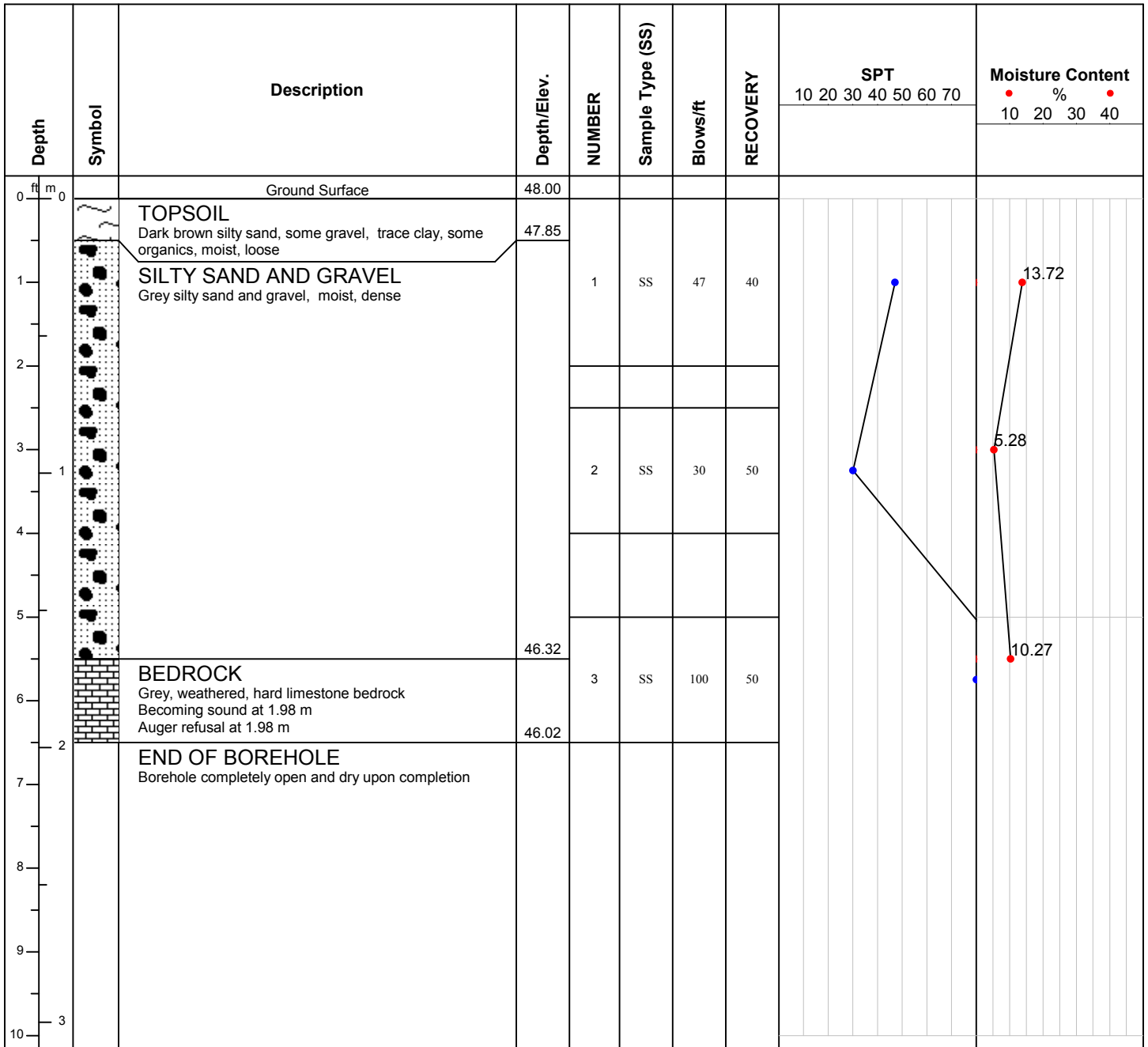
Log of Borehole No. 1

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: MK



Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 2

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: MK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT						Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand and gravel, some organics, moist, loose	47.85																
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, dense		1	SS	46	40												
2			47.24																
3		BEDROCK Grey, weathered, hard limestone bedrock Becoming sound at 0.91 m Auger refusal at 0.91 m	47.09	2	SS	100	50												
3		END OF BOREHOLE Borehole completely open and dry upon completion																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 3

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Technologist: MK

Depth ft m	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	WELL	Standard Penetration Test					Moisture Content %						
									10	20	30	40	50	10	20	30	40	50		
0		Ground Surface	48.00																	
0		TOPSOIL Dark brown silty sand and gravel, some organics, moist, loose																		
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist to wet, compact	47.70	1	SS	14	100													
2		Stone encountered at 0.75 m																		
3				2	SS	100	20													
4																				
5																				
6																				
7		1																		
8		2																		
9		Becoming wet at 2.4 m																		
10																				
11																				
12																				
		BEDROCK Grey, weathered, hard limestone bedrock Split spoon empty, auger sample retrieved Becoming sound at 3.05 m Auger refusal at 3.05 m	45.41																	
		END OF BOREHOLE Borehole completely open upon completion Water level upon completion = 3.0 m Water level on May 29, 2022 = 2.85 m	44.92	5		100														

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 4

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: MK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT							Moisture Content				
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand and gravel, moist, loose Bedrock fragments mixed with topsoil		1	SS	100	0												
			47.85																
		BEDROCK Grey, hard, sound limestone bedrock. Auger refusal at 0.15 m	47.82																
1		END OF BOREHOLE Borehole open and dry upon completion																	
2																			
3																			
4																			
5																			

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 5

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: MK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT							Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40		
0		Ground Surface	48.00																	
		TOPSOIL Dark brown silty sand and gravel, moist, loose	47.85																	
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, compact	47.39	1	SS	100	50													8.25
2		BEDROCK Grey, weathered, hard limestone bedrock Becoming sound at 0.75 m Auger refusal at 0.75 m	47.24																	
3		END OF BOREHOLE Borehole completely open and dry upon completion																		

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 6

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: MK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT						Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand and gravel, some organics, moist, loose	47.92																
0.5		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, loose		1	SS	100	0												5
1		Auger sample retrieved	47.54																
2		BEDROCK Grey, weathered, hard limestone bedrock Sound bedrock at 0.6 m Auger refusal at 0.6 m	47.39																
2		END OF BOREHOLE Borehole completely open and dry upon completion																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 7

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: MK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT						Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand, some gravel, trace clay, some organics, moist, loose																	
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, compact	47.70	1	SS	10	25											6.01	
2				2	SS	100	0												
3		BEDROCK Grey hard, limestone bedrock Becoming soud at 0.79 m Auger refusal at 0.79 m	47.24																
3		END OF BOREHOLE Borehole completely open and dry upon completion																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 8

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: MK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT							Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40		
0		Ground Surface	48.00																	
0		TOPSOIL Dark brown silty sand and gravel, some organics, moist, loose																		
1		SILTY SAND AND GRAVEL Dark brown silty sand and gravel, some organics, moist, loose	47.70	1	SS	100	75													10.14
2		BEDROCK Grey, hard, weathered limestone bedrock Becoming sound at 0.6 m Auger refusal at 0.6 m	47.54																	
2		END OF BOREHOLE Borehole completely open and dry upon completion	47.39																	
3																				
4																				
5																				

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 9

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Technologist: MK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	WELL	Standard Penetration Test					Moisture Content						
									10	20	30	40	50	10	20	30	40	50		
0		Ground Surface	48.00																	
0		TOPSOIL Dark brown silty sand and gravel, trace clay, some organics, moist, loose	47.85																	
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, compact		1	SS	26	100													
2																				
3		Auger sample retrieved		2	SS	100	10													
4			46.78																	
4		BEDROCK Grey, hard, weathered limestone bedrock																		
5		Becoming sound at 1.68 m Auger refusal at 1.68 m		3	SS	100	0													
6		END OF BOREHOLE Borehole completely open and dry upon completion Well installed at 1.52 m Water level on May 29, 2022 = Dry	46.32																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 19, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 10

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT							Moisture Content				
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand and gravel, moist, compact																	
1		SILTY SAND AND GRAVEL Grey silty sand with and gravel, moist, compact	47.77	1	SS	8	100												
2		BEDROCK Grey, hard, weathered limestone bedrock Split spoon empty, Auger sample retrieved Becoming sound at 0.76 m Auger refusal at 0.76 m	47.39																
3		END OF BOREHOLE Borehole completely open and dry upon completion	47.24																

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 11

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT							Moisture Content				
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand and gravel, some organics, moist, compact																	
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, loose to compact	47.77	1	SS	18	100												
2		BEDROCK Grey, hard, weathered limestone bedrock Spoon was empty. Auger sample retrieved	47.24	2	SS	100	0												
3		Becoming sound at 1.07 m Auger refusal at 1.07 m																	
4		END OF BOREHOLE Borehole completely open and dry upon completion	46.93																
5																			

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 12

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT						Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand, some gravel, moist, loose																	
0.77			47.77																
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, loose to compact		1	SS	18	100												
1.54			47.54																
2		BEDROCK Grey, hard, weathered limestone bedrock																	
2.9		Auger sample retrieved Becoming sound at 0.9 m Auger refusal at 0.9 m		2	SS	100	0												
2.9			47.09																
3		END OF BOREHOLE Borehole completely open and dry upon completion																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 13

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT						Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
		TOPSOIL Dark brown silty sand and gravel, trace clay, some organics, moist, compact	47.85																
		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, loose to compact		1	SS	15	100												13.79
		BEDROCK Grey, weathered, hard, limestone bedrock Auger sample retrieved	47.24																
				2	SS	100													4.12
		Becoming sound at 1.2 m Auger refusal at 1.2 m	46.78																
		END OF BOREHOLE Borehole completely open and dry upon completion																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 14

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT							Moisture Content				
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
		TOPSOIL Dark brown silty sand, some gravel, some organics, moist, compact	47.85																
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, loose to compact		1	SS	20	100												
2			47.24																
3		BEDROCK Grey, weathered, hard limestone bedrock Split spoon empty, Auger sample retrieved		2	AS	100	0												
4																			
5		Becoming sound at 1.5 m Auger refusal at 1.5 m	46.48																
6		END OF BOREHOLE Borehole completely open and dry upon completion																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 15

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT							Moisture Content				
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
		TOPSOIL Dark brown silty sand and gravel, moist, compact	47.85																
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist to wet, compact to dense		1	SS	8	100												12.77
2																			
3				2	SS	35	100												8.25
4		Water at 1.37 m																	
5		BEDROCK Grey, hard, weathered limestone bedrock Becoming sound at 1.68 m Auger refusal at 1.68 m	46.48																
			46.32	3	SS	100	10												4.45
		END OF BOREHOLE Borehole completely open and dry upon completion																	
6																			

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 16

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Engineer: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	SPT						Moisture Content					
								10	20	30	40	50	60	70	10	20	30	40	
0		Ground Surface	48.00																
0		TOPSOIL Dark brown silty sand and gravel, some organics, moist, loose	47.77																
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist, loose	47.24	1	SS	6	100												
2																			
3		BEDROCK Grey, hard, weathered limestone bedrock Auger sample retrieved		2	ss	100	0												
4		Becoming sound at 1.22 m Auger refusal at 1.22 m	46.78																
5		END OF BOREHOLE Borehole completely open and dry upon completion																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

**39 Davisbrook Blvd.
Scarborough, Ontario**

Checked By: RJ

Hole Size: 150 mm Diameter

M1T 2H6

Datum: Elevation taken from GPS application

Project No: 220039

Log of Borehole No. 17

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Technologist: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	WELL	Standard Penetration Test					Moisture Content							
									10	20	30	40	50	10	20	30	40	50			
0		Ground Surface	48.00																		
0		TOPSOIL Dark brown silty sand, some gravel, some organics, moist, loose	47.77																		
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist to wet, loose to compact		1	SS	6	100														
2																					
3				2	SS	15	100														
4		Became wet at 1.12 m																			
5		BEDROCK Grey, hard, weathered limestone bedrock Becoming sound at 1.68 m Auger refusal at 1.68 m	46.48																		
6		END OF BOREHOLE Borehole completely open upon completion Water level upon completion = 1.12 m Water level on May 29, 2022 = 1.15 m	46.32	3	SS	100	25														
7																					

Drill Method: Track mounted drill rig

Drill Date: May 20, 2022

Hole Size: 150 mm Diameter

Datum: Elevation taken from GPS application

Canada Engineering Services Inc.

39 Davisbrook Blvd.
Scarborough, Ontario
M1T 2H6

Checked By: RJ

Project No: 220039

Log of Borehole No. 18

Project: Proposed Residential Subdivision Development

Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP

Location: Cleminson Street, Wellington, Ontario

Technologist: SK

Depth	Symbol	Description	Depth/Elev.	NUMBER	Sample Type (SS)	Blows/ft	RECOVERY	WELL	Standard Penetration Test					Moisture Content						
									10	20	30	40	50	10	20	30	40	50		
0		Ground Surface	48.00																	
0		TOPSOIL Dark brown silty sand and gravel, some organics, moist, loose	47.85																	
1		SILTY SAND AND GRAVEL Grey silty sand and gravel, moist to wet, loose		1	SS	6	100													15.21
2																				
3		Stone encountered at 0.9 m																		
3		BEDROCK Grey, weathered, hard, limestone bedrock	47.09	2	SS	15	50													8.85
4		Became wet at 1.37 m																		
5		Becoming sound at 1.68 m Auger refusal at 1.68 m		3	SS	100	0													7.45
6		END OF BOREHOLE Borehole completely open upon completion Water level upon completion = 0.90 m Water level on May 29, 2022 = 0.38 m	46.32																	

Drill Method: Track mounted drill rig

Canada Engineering Services Inc.

Drill Date: May 20, 2022

39 Davisbrook Blvd.

Checked By: RJ

Hole Size: 150 mm Diameter

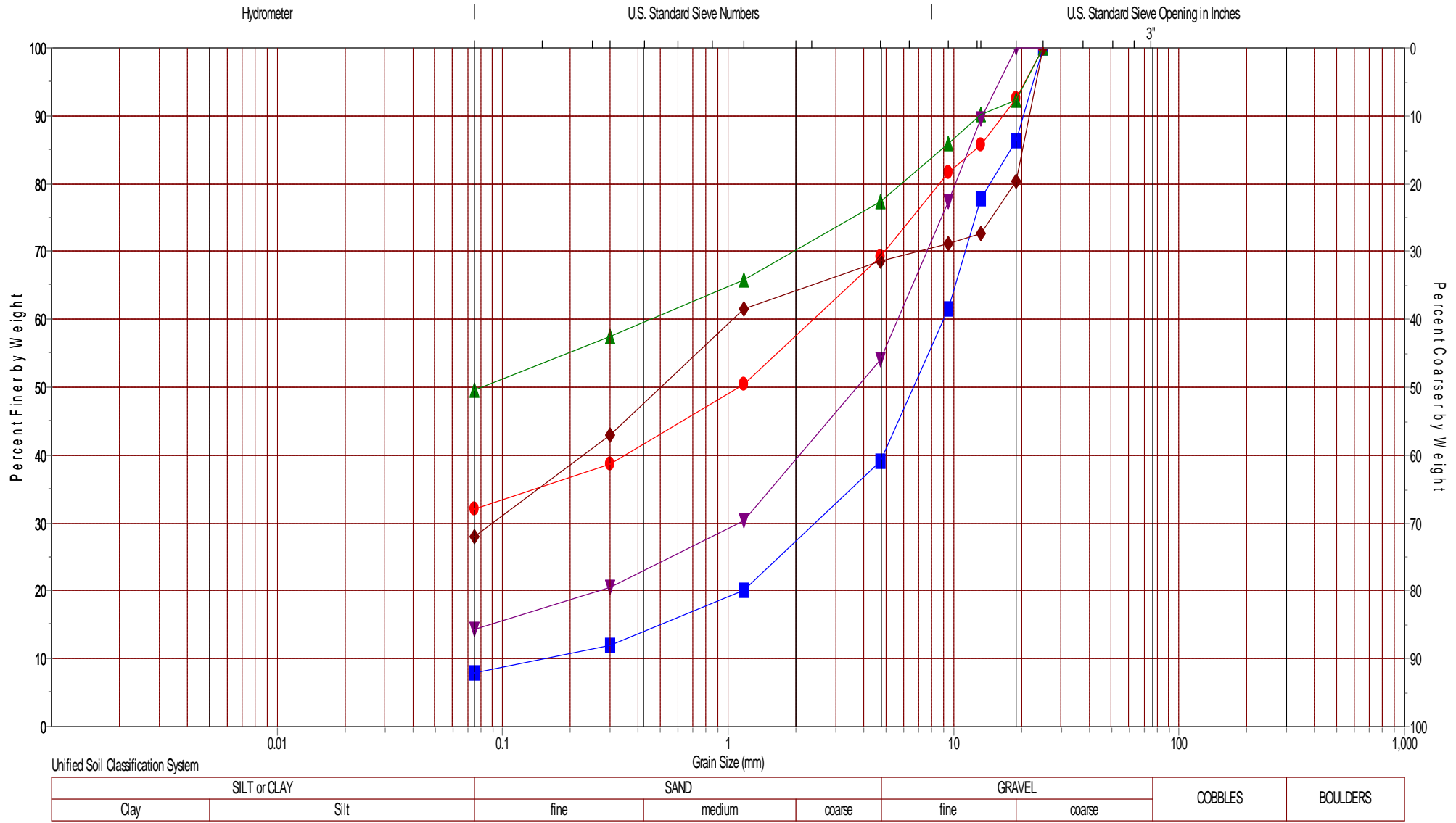
Scarborough, Ontario

M1T 2H6

Datum: Elevation taken from GPS application

ATTACHMENT 4

Figure 1		Project No.: 220039				GRAINSIZE DISTRIBUTION GRAPH			
		Location: Cleminson Street, Wellington, Ontario				Tested By: SK			
		Client: Sterling Group C/O Sterling Homes (Cleminson West) LP & Sterling Homes (Cleminson East) LP				Test Date: 03-Jun-2022			
Symbol	Sample No.	% Clay	% Silt	% Fine Sand	% Medium Sand	% Coarse Sand	% Fine Gravel	% Coarse Gravel	% Cobbles
■	BH8 SA1	<8.1	<8.1	4.1	8.0	19.1	47.3	13.8	0.0
●	BH3 SA4	<32.1	<32.1	6.6	12.0	18.8	23.3	7.7	0.0
▲	BH3 SA5	<49.7	<49.7	8.0	8.3	11.7	14.9	7.9	0.0
▼	BH9 SA2	<14.4	<14.4	6.1	10.1	23.8	46.0	0.0	0.0
◆	BH17 SA2	<28.1	<28.1	15.1	18.8	7.0	11.8	19.9	0.0



ATTACHMENT 5



ENVIROVISION INC. (MISSISSAUGA)
ATTN: Mihaela Cudalbu
150 Jardin Drive
Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Date Received: 27-MAY-22
Report Date: 03-JUN-22 09:43 (MT)
Version: FINAL REV. 2

Client Phone: 905-761-1783

Certificate of Analysis

Lab Work Order #: L2709976
Project P.O. #: 5470
Job Reference: 5470
C of C Numbers:
Legal Site Desc:

Comments: 03-JUN-22 Revised report comparing to Table 7 standards for soil per client request. -A.Overholster

Amanda Overholster
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 5730 Coopers Avenue, Unit #26, Mississauga, ON L4Z 2E9 Canada | Phone: +1 905 507 6910 | Fax: +1 905 507 6927
ALS CANADA LTD Part of the ALS Group An ALS Limited Company

Summary of Guideline Exceedances

Guideline							
ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit	
Ontario Regulation 153/04 - April 15, 2011 Standards - T7-Soil-Res/Park/Inst. Property Use (Coarse)							
(No parameter exceedances)							

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Physical Tests - SOIL

Lab ID	L2709976-2	L2709976-8
Sample Date	19-MAY-22	19-MAY-22
Sample ID	5470-BH5-SA2	5470-BH12-SA2

Analyte	Unit	Guide Limits		14.2	6.42
		#1	#2		
% Moisture	%	-	-	14.2	6.42

Guide Limit #1: T7-Soil-Res/Park/Inst. Property Use (Coarse)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Metals - SOIL

Lab ID	L2709976-2	L2709976-8
Sample Date	19-MAY-22	19-MAY-22
Sample ID	5470-BH5-SA2	5470-BH12-SA2

Analyte	Unit	Guide Limits			
		#1	#2		
Antimony (Sb)	ug/g	7.5	-	<1.0	<1.0
Arsenic (As)	ug/g	18	-	3.7	2.2
Barium (Ba)	ug/g	390	-	52.9	46.5
Beryllium (Be)	ug/g	4	-	0.79	<0.50
Boron (B)	ug/g	120	-	10.8	9.9
Cadmium (Cd)	ug/g	1.2	-	<0.50	<0.50
Chromium (Cr)	ug/g	160	-	23.6	15.5
Cobalt (Co)	ug/g	22	-	6.6	4.2
Copper (Cu)	ug/g	140	-	6.6	4.5
Lead (Pb)	ug/g	120	-	9.8	4.1
Molybdenum (Mo)	ug/g	6.9	-	<1.0	<1.0
Nickel (Ni)	ug/g	100	-	17.3	11.4
Selenium (Se)	ug/g	2.4	-	<1.0	<1.0
Silver (Ag)	ug/g	20	-	<0.20	<0.20
Thallium (Tl)	ug/g	1	-	<0.50	<0.50
Uranium (U)	ug/g	23	-	<1.0	<1.0
Vanadium (V)	ug/g	86	-	29.7	17.1
Zinc (Zn)	ug/g	340	-	108	101

Guide Limit #1: T7-Soil-Res/Park/Inst. Property Use (Coarse)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

Lab ID	L2709976-2	L2709976-8
Sample Date	19-MAY-22	19-MAY-22
Sample ID	5470-BH5-SA2	5470-BH12-SA2

Analyte	Unit	Guide Limits			
		#1	#2		
Acetone	ug/g	16	-	<0.50	<0.50 ^{DLIS}
Benzene	ug/g	0.21	-	<0.0068	<0.0068 ^{DLIS}
Bromodichloromethane	ug/g	13	-	<0.050	<0.050 ^{DLIS}
Bromoform	ug/g	0.27	-	<0.050	<0.050 ^{DLIS}
Bromomethane	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
Carbon tetrachloride	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
Chlorobenzene	ug/g	2.4	-	<0.050	<0.050 ^{DLIS}
Dibromochloromethane	ug/g	9.4	-	<0.050	<0.050 ^{DLIS}
Chloroform	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
1,2-Dibromoethane	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
1,2-Dichlorobenzene	ug/g	3.4	-	<0.050	<0.050 ^{DLIS}
1,3-Dichlorobenzene	ug/g	4.8	-	<0.050	<0.050 ^{DLIS}
1,4-Dichlorobenzene	ug/g	0.083	-	<0.050	<0.050 ^{DLIS}
Dichlorodifluoromethane	ug/g	16	-	<0.050	<0.050 ^{DLIS}
1,1-Dichloroethane	ug/g	3.5	-	<0.050	<0.050 ^{DLIS}
1,2-Dichloroethane	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
1,1-Dichloroethylene	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
cis-1,2-Dichloroethylene	ug/g	3.4	-	<0.050	<0.050 ^{DLIS}
trans-1,2-Dichloroethylene	ug/g	0.084	-	<0.050	<0.050 ^{DLIS}
Methylene Chloride	ug/g	0.1	-	<0.050	<0.050 ^{DLIS}
1,2-Dichloropropane	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
cis-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030 ^{DLIS}
trans-1,3-Dichloropropene	ug/g	-	-	<0.030	<0.030 ^{DLIS}
1,3-Dichloropropene (cis & trans)	ug/g	0.05	-	<0.042	<0.042
Ethylbenzene	ug/g	2	-	<0.018	<0.018 ^{DLIS}
n-Hexane	ug/g	2.8	-	<0.050	<0.050 ^{DLIS}
Methyl Ethyl Ketone	ug/g	16	-	<0.50	<0.50 ^{DLIS}
Methyl Isobutyl Ketone	ug/g	1.7	-	<0.50	<0.50 ^{DLIS}
MTBE	ug/g	0.75	-	<0.050	<0.050 ^{DLIS}
Styrene	ug/g	0.7	-	<0.050	<0.050 ^{DLIS}

Guide Limit #1: T7-Soil-Res/Park/Inst. Property Use (Coarse)

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - SOIL

Lab ID	L2709976-2	L2709976-8
Sample Date	19-MAY-22	19-MAY-22
Sample ID	5470-BH5-SA2	5470-BH12-SA2

Analyte	Unit	Guide Limits			
		#1	#2		
1,1,1,2-Tetrachloroethane	ug/g	0.058	-	<0.050	<0.050 ^{DLIS}
1,1,2,2-Tetrachloroethane	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
Tetrachloroethylene	ug/g	0.28	-	<0.050	<0.050 ^{DLIS}
Toluene	ug/g	2.3	-	<0.080	<0.080 ^{DLIS}
1,1,1-Trichloroethane	ug/g	0.38	-	<0.050	<0.050 ^{DLIS}
1,1,2-Trichloroethane	ug/g	0.05	-	<0.050	<0.050 ^{DLIS}
Trichloroethylene	ug/g	0.061	-	<0.010	<0.010 ^{DLIS}
Trichlorofluoromethane	ug/g	4	-	<0.050	<0.050 ^{DLIS}
Vinyl chloride	ug/g	0.02	-	<0.020	<0.020 ^{DLIS}
o-Xylene	ug/g	-	-	<0.020	<0.020 ^{DLIS}
m+p-Xylenes	ug/g	-	-	<0.030	<0.030 ^{DLIS}
Xylenes (Total)	ug/g	3.1	-	<0.050	<0.050
Surrogate: 4-Bromofluorobenzene	%	-	-	89.8	94.9
Surrogate: 1,4-Difluorobenzene	%	-	-	95.3	99.4

Guide Limit #1: T7-Soil-Res/Park/Inst. Property Use (Coarse)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - SOIL

Lab ID	L2709976-2	L2709976-8
Sample Date	19-MAY-22	19-MAY-22
Sample ID	5470-BH5-SA2	5470-BH12-SA2

Analyte	Unit	Guide Limits			
		#1	#2		
F1 (C6-C10)	ug/g	55	-	<5.0	<6.5 ^{DLIS}
F1-BTEX	ug/g	55	-	<5.0	<6.5
F2 (C10-C16)	ug/g	98	-	<10	15
F2-Naphth	ug/g	-	-	<10	15
F3 (C16-C34)	ug/g	300	-	<50	<50
F3-PAH	ug/g	-	-	<50	<50
F4 (C34-C50)	ug/g	2800	-	<50	<50
Total Hydrocarbons (C6-C50)	ug/g	-	-	<72	<72
Chrom. to baseline at nC50	ppm	-	-	YES	YES
Surrogate: 2-Bromobenzotrifluoride	%	-	-	80.7	80.6
Surrogate: 3,4-Dichlorotoluene	%	-	-	90.9	96.6

Guide Limit #1: T7-Soil-Res/Park/Inst. Property Use (Coarse)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - SOIL

Lab ID	L2709976-2	L2709976-8
Sample Date	19-MAY-22	19-MAY-22
Sample ID	5470-BH5-SA2	5470-BH12-SA2

Analyte	Unit	Guide Limits			
		#1	#2		
Acenaphthene	ug/g	7.9	-	<0.050	<0.050
Acenaphthylene	ug/g	0.15	-	<0.050	<0.050
Anthracene	ug/g	0.67	-	<0.050	<0.050
Benzo(a)anthracene	ug/g	0.5	-	<0.050	<0.050
Benzo(a)pyrene	ug/g	0.3	-	<0.050	<0.050
Benzo(b&j)fluoranthene	ug/g	0.78	-	<0.050	<0.050
Benzo(g,h,i)perylene	ug/g	6.6	-	<0.050	<0.050
Benzo(k)fluoranthene	ug/g	0.78	-	<0.050	<0.050
Chrysene	ug/g	7	-	<0.050	<0.050
Dibenz(a,h)anthracene	ug/g	0.1	-	<0.050	<0.050
Fluoranthene	ug/g	0.69	-	<0.050	<0.050
Fluorene	ug/g	62	-	<0.050	<0.050
Indeno(1,2,3-cd)pyrene	ug/g	0.38	-	<0.050	<0.050
1+2-Methylnaphthalenes	ug/g	0.99	-	<0.042	<0.042
1-Methylnaphthalene	ug/g	0.99	-	<0.030	<0.030
2-Methylnaphthalene	ug/g	0.99	-	<0.030	<0.030
Naphthalene	ug/g	0.6	-	<0.013	<0.013
Phenanthrene	ug/g	6.2	-	<0.046	<0.046
Pyrene	ug/g	78	-	<0.050	<0.050
Surrogate: 2-Fluorobiphenyl	%	-	-	83.9	83.0
Surrogate: d14-Terphenyl	%	-	-	87.2	83.9

Guide Limit #1: T7-Soil-Res/Park/Inst. Property Use (Coarse)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
-----------	-------------

DLIS Detection Limit Adjusted: Insufficient Sample

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
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F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Soil	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS
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Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT	Soil	F2-F4-O.Reg 153/04 (July 2011)	CCME Tier 1
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Petroleum Hydrocarbons (F2-F4 fractions) are extracted from soil with 1:1 hexane:acetone using a rotary extractor. Extracts are treated with silica gel to remove polar organic interferences. F2, F3, & F4 are analyzed by GC-FID. F4G-sg is analyzed gravimetrically.

Notes:

1. F2 (C10-C16): Sum of all hydrocarbons that elute between nC10 and nC16.
2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.
3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.
4. F4G: Gravimetric Heavy Hydrocarbons
5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
6. Where both F4 (C34-C50) and F4G-sg are reported for a sample, the larger of the two values is used for comparison against the relevant CCME guideline for F4.
7. F4G-sg cannot be added to the C6 to C50 hydrocarbon results to obtain an estimate of total extractable hydrocarbons.
8. This method is validated for use.
9. Data from analysis of validation and quality control samples is available upon request.
10. Reported results are expressed as milligrams per dry kilogram, unless otherwise indicated.

Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
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Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

MET-200.2-CCMS-WT	Soil	Metals in Soil by CRC ICPMS	EPA 200.2/6020B (mod)
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Soil/sediment is dried, disaggregated, and sieved (2 mm). For tests intended to support Ontario regulations, the <2mm fraction is ground to pass through a 0.355 mm sieve. Strong Acid Leachable Metals in the <2mm fraction are solubilized by heated digestion with nitric and hydrochloric acids. Instrumental analysis is by Collision / Reaction Cell ICPMS.

Limitations: This method is intended to liberate environmentally available metals. Silicate minerals are not solubilized. Some metals may be only partially recovered (matrix dependent), including Al, Ba, Be, Cr, S, Sr, Ti, Tl, V, W, and Zr. Elemental Sulfur may be poorly recovered by this method. Volatile forms of sulfur (e.g. sulfide, H₂S) may be excluded if lost during sampling, storage, or digestion.

Analysis conducted 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), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT	Soil	ABN-Calculated Parameters	SW846 8270
MOISTURE-WT	Soil	% Moisture	CCME PHC in Soil - Tier 1 (mod)
PAH-511-WT	Soil	PAH-O.Reg 153/04 (July 2011)	SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Results for benzo(b) fluoranthene may include contributions from benzo(j)fluoranthene, if also present in the sample.

Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

VOC-1,3-DCP-CALC-WT	Soil	Regulation 153 VOCs	SW8260B/SW8270C
VOC-511-HS-WT	Soil	VOC-O.Reg 153/04 (July 2011)	SW846 8260 (511)

Soil and sediment samples are extracted in methanol and analyzed by headspace-GC/MS.

Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC-WT	Soil	Sum of Xylene Isomer Concentrations	CALCULATION
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Total xylenes represents the sum of o-xylene and m&p-xylene.

**ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody Numbers:

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Reference Information

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GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.



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Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-HS-511-WT		Soil						
Batch	R5790604							
WG3732554-4	DUP	WG3732554-3						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	30-MAY-22
WG3732554-2	LCS							
F1 (C6-C10)			112.2		%		80-120	30-MAY-22
WG3732554-1	MB							
F1 (C6-C10)			<5.0		ug/g		5	30-MAY-22
Surrogate: 3,4-Dichlorotoluene			107.8		%		60-140	30-MAY-22
WG3732554-5	MS	WG3732554-3						
F1 (C6-C10)			105.0		%		60-140	30-MAY-22
F2-F4-511-WT		Soil						
Batch	R5790475							
WG3732252-3	DUP	WG3732252-3						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	30-MAY-22
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	30-MAY-22
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	30-MAY-22
WG3732252-2	LCS							
F2 (C10-C16)			94.9		%		70-130	30-MAY-22
F3 (C16-C34)			99.8		%		70-130	30-MAY-22
F4 (C34-C50)			85.9		%		70-130	30-MAY-22
WG3732252-1	MB							
F2 (C10-C16)			<10		ug/g		10	30-MAY-22
F3 (C16-C34)			<50		ug/g		50	30-MAY-22
F4 (C34-C50)			<50		ug/g		50	30-MAY-22
Surrogate: 2-Bromobenzotrifluoride			86.0		%		60-140	30-MAY-22
WG3732252-4	MS	WG3732252-5						
F2 (C10-C16)			92.2		%		60-140	30-MAY-22
F3 (C16-C34)			101.2		%		60-140	30-MAY-22
F4 (C34-C50)			87.9		%		60-140	30-MAY-22
MET-200.2-CCMS-WT		Soil						
Batch	R5790914							
WG3732906-2	CRM	WT-SS-2						
Antimony (Sb)			95.8		%		70-130	30-MAY-22
Arsenic (As)			107.2		%		70-130	30-MAY-22
Barium (Ba)			111.1		%		70-130	30-MAY-22
Beryllium (Be)			108.4		%		70-130	30-MAY-22
Boron (B)			9.2		mg/kg		3.5-13.5	30-MAY-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT		Soil						
Batch	R5790914							
WG3732906-2	CRM	WT-SS-2						
Cadmium (Cd)			101.5		%		70-130	30-MAY-22
Chromium (Cr)			105.3		%		70-130	30-MAY-22
Cobalt (Co)			103.1		%		70-130	30-MAY-22
Copper (Cu)			100.6		%		70-130	30-MAY-22
Lead (Pb)			102.4		%		70-130	30-MAY-22
Molybdenum (Mo)			105.4		%		70-130	30-MAY-22
Nickel (Ni)			101.2		%		70-130	30-MAY-22
Selenium (Se)			0.16		mg/kg		0-0.34	30-MAY-22
Silver (Ag)			87.2		%		70-130	30-MAY-22
Thallium (Tl)			0.070		mg/kg		0.029-0.129	30-MAY-22
Uranium (U)			84.5		%		70-130	30-MAY-22
Vanadium (V)			103.3		%		70-130	30-MAY-22
Zinc (Zn)			102.2		%		70-130	30-MAY-22
WG3732906-6	DUP	WG3732906-5						
Antimony (Sb)		0.30	0.29		ug/g	4.1	30	30-MAY-22
Arsenic (As)		5.24	5.22		ug/g	0.5	30	30-MAY-22
Barium (Ba)		134	130		ug/g	3.3	40	30-MAY-22
Beryllium (Be)		0.68	0.65		ug/g	3.7	30	30-MAY-22
Boron (B)		14.0	13.3		ug/g	5.4	30	30-MAY-22
Cadmium (Cd)		0.237	0.214		ug/g	10	30	30-MAY-22
Chromium (Cr)		28.5	28.6		ug/g	0.4	30	30-MAY-22
Cobalt (Co)		9.86	9.52		ug/g	3.5	30	30-MAY-22
Copper (Cu)		26.6	26.5		ug/g	0.3	30	30-MAY-22
Lead (Pb)		17.0	16.4		ug/g	3.2	40	30-MAY-22
Molybdenum (Mo)		0.77	0.71		ug/g	8.0	40	30-MAY-22
Nickel (Ni)		24.0	23.8		ug/g	0.7	30	30-MAY-22
Selenium (Se)		<0.20	<0.20	RPD-NA	ug/g	N/A	30	30-MAY-22
Silver (Ag)		0.71	0.68		ug/g	3.2	40	30-MAY-22
Thallium (Tl)		0.118	0.115		ug/g	2.5	30	30-MAY-22
Uranium (U)		0.683	0.648		ug/g	5.3	30	30-MAY-22
Vanadium (V)		28.7	28.8		ug/g	0.6	30	30-MAY-22
Zinc (Zn)		127	124		ug/g	2.5	30	30-MAY-22
WG3732906-4	LCS							



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Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT								
	Soil							
Batch	R5790914							
WG3732906-4	LCS							
Antimony (Sb)			110.6		%		80-120	30-MAY-22
Arsenic (As)			106.9		%		80-120	30-MAY-22
Barium (Ba)			104.0		%		80-120	30-MAY-22
Beryllium (Be)			106.9		%		80-120	30-MAY-22
Boron (B)			101.6		%		80-120	30-MAY-22
Cadmium (Cd)			106.4		%		80-120	30-MAY-22
Chromium (Cr)			104.9		%		80-120	30-MAY-22
Cobalt (Co)			103.3		%		80-120	30-MAY-22
Copper (Cu)			101.2		%		80-120	30-MAY-22
Lead (Pb)			98.2		%		80-120	30-MAY-22
Molybdenum (Mo)			111.3		%		80-120	30-MAY-22
Nickel (Ni)			101.6		%		80-120	30-MAY-22
Selenium (Se)			105.0		%		80-120	30-MAY-22
Silver (Ag)			85.9		%		80-120	30-MAY-22
Thallium (Tl)			96.3		%		80-120	30-MAY-22
Uranium (U)			86.7		%		80-120	30-MAY-22
Vanadium (V)			106.5		%		80-120	30-MAY-22
Zinc (Zn)			104.1		%		80-120	30-MAY-22
WG3732906-1	MB							
Antimony (Sb)			<0.10		mg/kg		0.1	30-MAY-22
Arsenic (As)			<0.10		mg/kg		0.1	30-MAY-22
Barium (Ba)			<0.50		mg/kg		0.5	30-MAY-22
Beryllium (Be)			<0.10		mg/kg		0.1	30-MAY-22
Boron (B)			<5.0		mg/kg		5	30-MAY-22
Cadmium (Cd)			<0.020		mg/kg		0.02	30-MAY-22
Chromium (Cr)			<0.50		mg/kg		0.5	30-MAY-22
Cobalt (Co)			<0.10		mg/kg		0.1	30-MAY-22
Copper (Cu)			<0.50		mg/kg		0.5	30-MAY-22
Lead (Pb)			<0.50		mg/kg		0.5	30-MAY-22
Molybdenum (Mo)			<0.10		mg/kg		0.1	30-MAY-22
Nickel (Ni)			<0.50		mg/kg		0.5	30-MAY-22
Selenium (Se)			<0.20		mg/kg		0.2	30-MAY-22
Silver (Ag)			<0.10		mg/kg		0.1	30-MAY-22
Thallium (Tl)			<0.050		mg/kg		0.05	30-MAY-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-200.2-CCMS-WT		Soil						
Batch R5790914								
WG3732906-1	MB							
Uranium (U)			<0.050		mg/kg		0.05	30-MAY-22
Vanadium (V)			<0.20		mg/kg		0.2	30-MAY-22
Zinc (Zn)			<2.0		mg/kg		2	30-MAY-22
MOISTURE-WT		Soil						
Batch R5790093								
WG3732228-3	DUP	L2709960-3						
% Moisture		13.4	12.5		%	7.0	20	28-MAY-22
WG3732228-2	LCS							
% Moisture			100.9		%		90-110	28-MAY-22
WG3732228-1	MB							
% Moisture			<0.25		%		0.25	28-MAY-22
PAH-511-WT		Soil						
Batch R5790925								
WG3732301-3	DUP	WG3732301-5						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	31-MAY-22
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	31-MAY-22
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Benzo(a)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Benzo(b&j)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Benzo(g,h,i)perylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Chrysene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Dibenz(a,h)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
Naphthalene		<0.013	<0.013	RPD-NA	ug/g	N/A	40	31-MAY-22
Phenanthrene		<0.046	<0.046	RPD-NA	ug/g	N/A	40	31-MAY-22
Pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	31-MAY-22
WG3732301-2	LCS							
1-Methylnaphthalene			91.2		%		50-140	31-MAY-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT	Soil							
Batch	R5790925							
WG3732301-2 LCS								
2-Methylnaphthalene			94.5		%		50-140	31-MAY-22
Acenaphthene			94.4		%		50-140	31-MAY-22
Acenaphthylene			104.3		%		50-140	31-MAY-22
Anthracene			104.7		%		50-140	31-MAY-22
Benzo(a)anthracene			100.6		%		50-140	31-MAY-22
Benzo(a)pyrene			110.5		%		50-140	31-MAY-22
Benzo(b&j)fluoranthene			88.3		%		50-140	31-MAY-22
Benzo(g,h,i)perylene			87.8		%		50-140	31-MAY-22
Benzo(k)fluoranthene			100.2		%		50-140	31-MAY-22
Chrysene			96.0		%		50-140	31-MAY-22
Dibenz(a,h)anthracene			90.1		%		50-140	31-MAY-22
Fluoranthene			95.7		%		50-140	31-MAY-22
Fluorene			96.3		%		50-140	31-MAY-22
Indeno(1,2,3-cd)pyrene			91.8		%		50-140	31-MAY-22
Naphthalene			94.4		%		50-140	31-MAY-22
Phenanthrene			93.3		%		50-140	31-MAY-22
Pyrene			94.1		%		50-140	31-MAY-22
WG3732301-1 MB								
1-Methylnaphthalene			<0.030		ug/g		0.03	31-MAY-22
2-Methylnaphthalene			<0.030		ug/g		0.03	31-MAY-22
Acenaphthene			<0.050		ug/g		0.05	31-MAY-22
Acenaphthylene			<0.050		ug/g		0.05	31-MAY-22
Anthracene			<0.050		ug/g		0.05	31-MAY-22
Benzo(a)anthracene			<0.050		ug/g		0.05	31-MAY-22
Benzo(a)pyrene			<0.050		ug/g		0.05	31-MAY-22
Benzo(b&j)fluoranthene			<0.050		ug/g		0.05	31-MAY-22
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	31-MAY-22
Benzo(k)fluoranthene			<0.050		ug/g		0.05	31-MAY-22
Chrysene			<0.050		ug/g		0.05	31-MAY-22
Dibenz(a,h)anthracene			<0.050		ug/g		0.05	31-MAY-22
Fluoranthene			<0.050		ug/g		0.05	31-MAY-22
Fluorene			<0.050		ug/g		0.05	31-MAY-22
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	31-MAY-22
Naphthalene			<0.013		ug/g		0.013	31-MAY-22



Quality Control Report

Workorder: L2709976

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Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed	
PAH-511-WT		Soil							
Batch	R5790925								
WG3732301-1	MB								
Phenanthrene			<0.046		ug/g		0.046	31-MAY-22	
Pyrene			<0.050		ug/g		0.05	31-MAY-22	
Surrogate: 2-Fluorobiphenyl			81.6		%		50-140	31-MAY-22	
Surrogate: d14-Terphenyl			79.5		%		50-140	31-MAY-22	
WG3732301-4	MS	WG3732301-5							
1-Methylnaphthalene			92.3		%		50-140	31-MAY-22	
2-Methylnaphthalene			94.4		%		50-140	31-MAY-22	
Acenaphthene			94.5		%		50-140	31-MAY-22	
Acenaphthylene			105.7		%		50-140	31-MAY-22	
Anthracene			104.3		%		50-140	31-MAY-22	
Benzo(a)anthracene			101.4		%		50-140	31-MAY-22	
Benzo(a)pyrene			107.6		%		50-140	31-MAY-22	
Benzo(b&j)fluoranthene			86.2		%		50-140	31-MAY-22	
Benzo(g,h,i)perylene			83.3		%		50-140	31-MAY-22	
Benzo(k)fluoranthene			99.2		%		50-140	31-MAY-22	
Chrysene			93.3		%		50-140	31-MAY-22	
Dibenz(a,h)anthracene			88.1		%		50-140	31-MAY-22	
Fluoranthene			94.9		%		50-140	31-MAY-22	
Fluorene			98.5		%		50-140	31-MAY-22	
Indeno(1,2,3-cd)pyrene			89.1		%		50-140	31-MAY-22	
Naphthalene			93.0		%		50-140	31-MAY-22	
Phenanthrene			91.5		%		50-140	31-MAY-22	
Pyrene			93.0		%		50-140	31-MAY-22	
VOC-511-HS-WT		Soil							
Batch	R5790604								
WG3732554-4	DUP	WG3732554-3							
1,1,1,2-Tetrachloroethane			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,1,2,2-Tetrachloroethane			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,1,1-Trichloroethane			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,1,2-Trichloroethane			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,1-Dichloroethane			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,1-Dichloroethylene			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,2-Dibromoethane			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,2-Dichlorobenzene			<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22



Quality Control Report

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Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT		Soil						
Batch	R5790604							
WG3732554-4	DUP	WG3732554-3						
1,2-Dichloroethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,2-Dichloropropane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,3-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
1,4-Dichlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Acetone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	30-MAY-22
Benzene		<0.0068	<0.0068	RPD-NA	ug/g	N/A	40	30-MAY-22
Bromodichloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Bromoform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Bromomethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Carbon tetrachloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Chlorobenzene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Chloroform		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
cis-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
cis-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	30-MAY-22
Dibromochloromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Dichlorodifluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	30-MAY-22
n-Hexane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Methylene Chloride		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
MTBE		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
m+p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	30-MAY-22
Methyl Ethyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	30-MAY-22
Methyl Isobutyl Ketone		<0.50	<0.50	RPD-NA	ug/g	N/A	40	30-MAY-22
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	30-MAY-22
Styrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Tetrachloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	30-MAY-22
trans-1,2-Dichloroethylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
trans-1,3-Dichloropropene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	30-MAY-22
Trichloroethylene		<0.010	<0.010	RPD-NA	ug/g	N/A	40	30-MAY-22
Trichlorofluoromethane		<0.050	<0.050	RPD-NA	ug/g	N/A	40	30-MAY-22
Vinyl chloride		<0.020	<0.020	RPD-NA	ug/g	N/A	40	30-MAY-22
WG3732554-2	LCS							



Quality Control Report

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Client: ENVIROVISION INC. (MISSISSAUGA)
 150 Jardin Drive Concord, Ontario L4K 3P9
 CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	Soil							
Batch	R5790604							
WG3732554-2	LCS							
1,1,1,2-Tetrachloroethane			95.8		%		60-130	30-MAY-22
1,1,2,2-Tetrachloroethane			92.3		%		60-130	30-MAY-22
1,1,1-Trichloroethane			92.1		%		60-130	30-MAY-22
1,1,2-Trichloroethane			94.0		%		60-130	30-MAY-22
1,1-Dichloroethane			89.8		%		60-130	30-MAY-22
1,1-Dichloroethylene			82.9		%		60-130	30-MAY-22
1,2-Dibromoethane			92.0		%		70-130	30-MAY-22
1,2-Dichlorobenzene			96.4		%		70-130	30-MAY-22
1,2-Dichloroethane			91.5		%		60-130	30-MAY-22
1,2-Dichloropropane			94.3		%		70-130	30-MAY-22
1,3-Dichlorobenzene			95.9		%		70-130	30-MAY-22
1,4-Dichlorobenzene			94.2		%		70-130	30-MAY-22
Acetone			107.2		%		60-140	30-MAY-22
Benzene			90.5		%		70-130	30-MAY-22
Bromodichloromethane			95.9		%		50-140	30-MAY-22
Bromoform			95.3		%		70-130	30-MAY-22
Bromomethane			75.9		%		50-140	30-MAY-22
Carbon tetrachloride			92.2		%		70-130	30-MAY-22
Chlorobenzene			95.1		%		70-130	30-MAY-22
Chloroform			92.3		%		70-130	30-MAY-22
cis-1,2-Dichloroethylene			92.6		%		70-130	30-MAY-22
cis-1,3-Dichloropropene			90.4		%		70-130	30-MAY-22
Dibromochloromethane			94.7		%		60-130	30-MAY-22
Dichlorodifluoromethane			48.1	LCS-ND	%		50-140	30-MAY-22
Ethylbenzene			92.6		%		70-130	30-MAY-22
n-Hexane			79.3		%		70-130	30-MAY-22
Methylene Chloride			88.2		%		70-130	30-MAY-22
MTBE			93.4		%		70-130	30-MAY-22
m+p-Xylenes			94.6		%		70-130	30-MAY-22
Methyl Ethyl Ketone			101.0		%		60-140	30-MAY-22
Methyl Isobutyl Ketone			100.3		%		60-140	30-MAY-22
o-Xylene			93.8		%		70-130	30-MAY-22
Styrene			85.2		%		70-130	30-MAY-22



Quality Control Report

Workorder: L2709976

Report Date: 03-JUN-22

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Client: ENVIROVISION INC. (MISSISSAUGA)
 150 Jardin Drive Concord, Ontario L4K 3P9
 CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT		Soil						
Batch	R5790604							
WG3732554-2	LCS							
Tetrachloroethylene			93.5		%		60-130	30-MAY-22
Toluene			93.1		%		70-130	30-MAY-22
trans-1,2-Dichloroethylene			88.3		%		60-130	30-MAY-22
trans-1,3-Dichloropropene			91.8		%		70-130	30-MAY-22
Trichloroethylene			91.1		%		60-130	30-MAY-22
Trichlorofluoromethane			77.6		%		50-140	30-MAY-22
Vinyl chloride			67.0		%		60-140	30-MAY-22
WG3732554-1	MB							
1,1,1,2-Tetrachloroethane			<0.050		ug/g		0.05	30-MAY-22
1,1,2,2-Tetrachloroethane			<0.050		ug/g		0.05	30-MAY-22
1,1,1-Trichloroethane			<0.050		ug/g		0.05	30-MAY-22
1,1,2-Trichloroethane			<0.050		ug/g		0.05	30-MAY-22
1,1-Dichloroethane			<0.050		ug/g		0.05	30-MAY-22
1,1-Dichloroethylene			<0.050		ug/g		0.05	30-MAY-22
1,2-Dibromoethane			<0.050		ug/g		0.05	30-MAY-22
1,2-Dichlorobenzene			<0.050		ug/g		0.05	30-MAY-22
1,2-Dichloroethane			<0.050		ug/g		0.05	30-MAY-22
1,2-Dichloropropane			<0.050		ug/g		0.05	30-MAY-22
1,3-Dichlorobenzene			<0.050		ug/g		0.05	30-MAY-22
1,4-Dichlorobenzene			<0.050		ug/g		0.05	30-MAY-22
Acetone			<0.50		ug/g		0.5	30-MAY-22
Benzene			<0.0068		ug/g		0.0068	30-MAY-22
Bromodichloromethane			<0.050		ug/g		0.05	30-MAY-22
Bromoform			<0.050		ug/g		0.05	30-MAY-22
Bromomethane			<0.050		ug/g		0.05	30-MAY-22
Carbon tetrachloride			<0.050		ug/g		0.05	30-MAY-22
Chlorobenzene			<0.050		ug/g		0.05	30-MAY-22
Chloroform			<0.050		ug/g		0.05	30-MAY-22
cis-1,2-Dichloroethylene			<0.050		ug/g		0.05	30-MAY-22
cis-1,3-Dichloropropene			<0.030		ug/g		0.03	30-MAY-22
Dibromochloromethane			<0.050		ug/g		0.05	30-MAY-22
Dichlorodifluoromethane			<0.050		ug/g		0.05	30-MAY-22
Ethylbenzene			<0.018		ug/g		0.018	30-MAY-22
n-Hexane			<0.050		ug/g		0.05	30-MAY-22



Quality Control Report

Workorder: L2709976

Report Date: 03-JUN-22

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Client: ENVIROVISION INC. (MISSISSAUGA)
 150 Jardin Drive Concord, Ontario L4K 3P9
 CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT								
	Soil							
Batch	R5790604							
WG3732554-1 MB								
Methylene Chloride			<0.050		ug/g		0.05	30-MAY-22
MTBE			<0.050		ug/g		0.05	30-MAY-22
m+p-Xylenes			<0.030		ug/g		0.03	30-MAY-22
Methyl Ethyl Ketone			<0.50		ug/g		0.5	30-MAY-22
Methyl Isobutyl Ketone			<0.50		ug/g		0.5	30-MAY-22
o-Xylene			<0.020		ug/g		0.02	30-MAY-22
Styrene			<0.050		ug/g		0.05	30-MAY-22
Tetrachloroethylene			<0.050		ug/g		0.05	30-MAY-22
Toluene			<0.080		ug/g		0.08	30-MAY-22
trans-1,2-Dichloroethylene			<0.050		ug/g		0.05	30-MAY-22
trans-1,3-Dichloropropene			<0.030		ug/g		0.03	30-MAY-22
Trichloroethylene			<0.010		ug/g		0.01	30-MAY-22
Trichlorofluoromethane			<0.050		ug/g		0.05	30-MAY-22
Vinyl chloride			<0.020		ug/g		0.02	30-MAY-22
Surrogate: 1,4-Difluorobenzene			107.9		%		50-140	30-MAY-22
Surrogate: 4-Bromofluorobenzene			102.5		%		50-140	30-MAY-22
WG3732554-5 MS		WG3732554-3						
1,1,1,2-Tetrachloroethane			98.3		%		50-140	30-MAY-22
1,1,1,2,2-Tetrachloroethane			93.0		%		50-140	30-MAY-22
1,1,1-Trichloroethane			97.2		%		50-140	30-MAY-22
1,1,2-Trichloroethane			96.9		%		50-140	30-MAY-22
1,1-Dichloroethane			97.1		%		50-140	30-MAY-22
1,1-Dichloroethylene			96.6		%		50-140	30-MAY-22
1,2-Dibromoethane			94.9		%		50-140	30-MAY-22
1,2-Dichlorobenzene			99.3		%		50-140	30-MAY-22
1,2-Dichloroethane			95.1		%		50-140	30-MAY-22
1,2-Dichloropropane			98.1		%		50-140	30-MAY-22
1,3-Dichlorobenzene			100.8		%		50-140	30-MAY-22
1,4-Dichlorobenzene			98.9		%		50-140	30-MAY-22
Acetone			111.3		%		50-140	30-MAY-22
Benzene			93.7		%		50-140	30-MAY-22
Bromodichloromethane			98.0		%		50-140	30-MAY-22
Bromoform			99.0		%		50-140	30-MAY-22
Bromomethane			93.6		%		50-140	30-MAY-22



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Workorder: L2709976

Report Date: 03-JUN-22

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Client: ENVIROVISION INC. (MISSISSAUGA)
 150 Jardin Drive Concord, Ontario L4K 3P9
 CONCORD ON L4K 3E5

Contact: Mihaela Cudalbu

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	Soil							
Batch	R5790604							
WG3732554-5 MS		WG3732554-3						
Carbon tetrachloride			97.2		%		50-140	30-MAY-22
Chlorobenzene			98.3		%		50-140	30-MAY-22
Chloroform			96.0		%		50-140	30-MAY-22
cis-1,2-Dichloroethylene			97.3		%		50-140	30-MAY-22
cis-1,3-Dichloropropene			88.2		%		50-140	30-MAY-22
Dibromochloromethane			95.6		%		50-140	30-MAY-22
Dichlorodifluoromethane			101.2		%		50-140	30-MAY-22
Ethylbenzene			95.5		%		50-140	30-MAY-22
n-Hexane			94.7		%		50-140	30-MAY-22
Methylene Chloride			97.3		%		50-140	30-MAY-22
MTBE			96.7		%		50-140	30-MAY-22
m+p-Xylenes			97.4		%		50-140	30-MAY-22
Methyl Ethyl Ketone			106.5		%		50-140	30-MAY-22
Methyl Isobutyl Ketone			101.9		%		50-140	30-MAY-22
o-Xylene			96.5		%		50-140	30-MAY-22
Styrene			84.1		%		50-140	30-MAY-22
Tetrachloroethylene			97.2		%		50-140	30-MAY-22
Toluene			96.1		%		50-140	30-MAY-22
trans-1,2-Dichloroethylene			96.7		%		50-140	30-MAY-22
trans-1,3-Dichloropropene			89.6		%		50-140	30-MAY-22
Trichloroethylene			95.3		%		50-140	30-MAY-22
Trichlorofluoromethane			96.0		%		50-140	30-MAY-22
Vinyl chloride			96.5		%		50-140	30-MAY-22

Quality Control Report

Workorder: L2709976

Report Date: 03-JUN-22

Client: ENVIROVISION INC. (MISSISSAUGA)
150 Jardin Drive Concord, Ontario L4K 3P9
CONCORD ON L4K 3E5

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Contact: Mihaela Cudalbu

Legend:

Limit ALS Control Limit (Data Quality Objectives)
DUP Duplicate
RPD Relative Percent Difference
N/A Not Available
LCS Laboratory Control Sample
SRM Standard Reference Material
MS Matrix Spike
MSD Matrix Spike Duplicate
ADE Average Desorption Efficiency
MB Method Blank
IRM Internal Reference Material
CRM Certified Reference Material
CCV Continuing Calibration Verification
CVS Calibration Verification Standard
LCSD Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
LCS-ND	Lab Control Sample recovery was slightly outside ALS DQO. Reported non-detect results for associated samples were unaffected.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

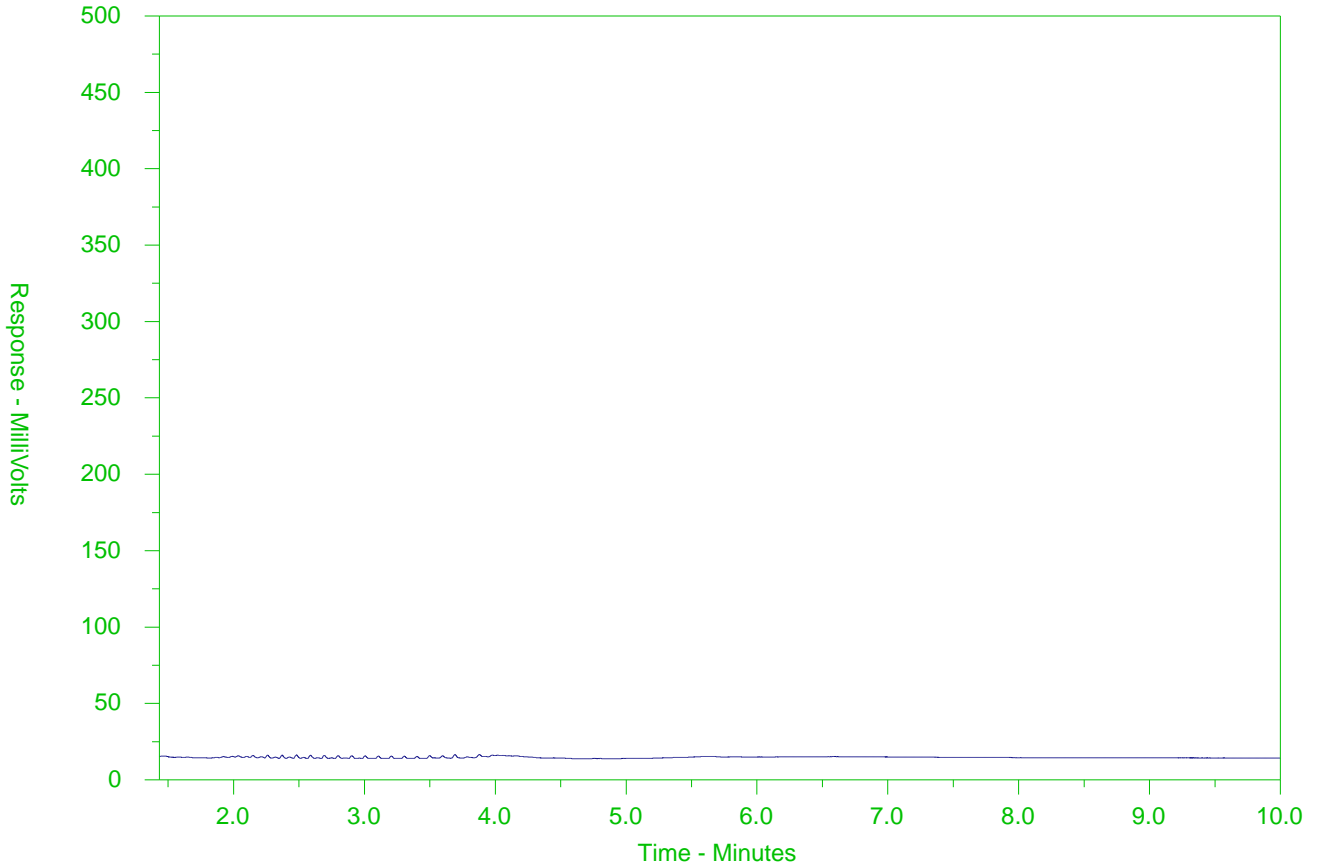
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2709976-2
 Client Sample ID: 5470-BH5-SA2



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

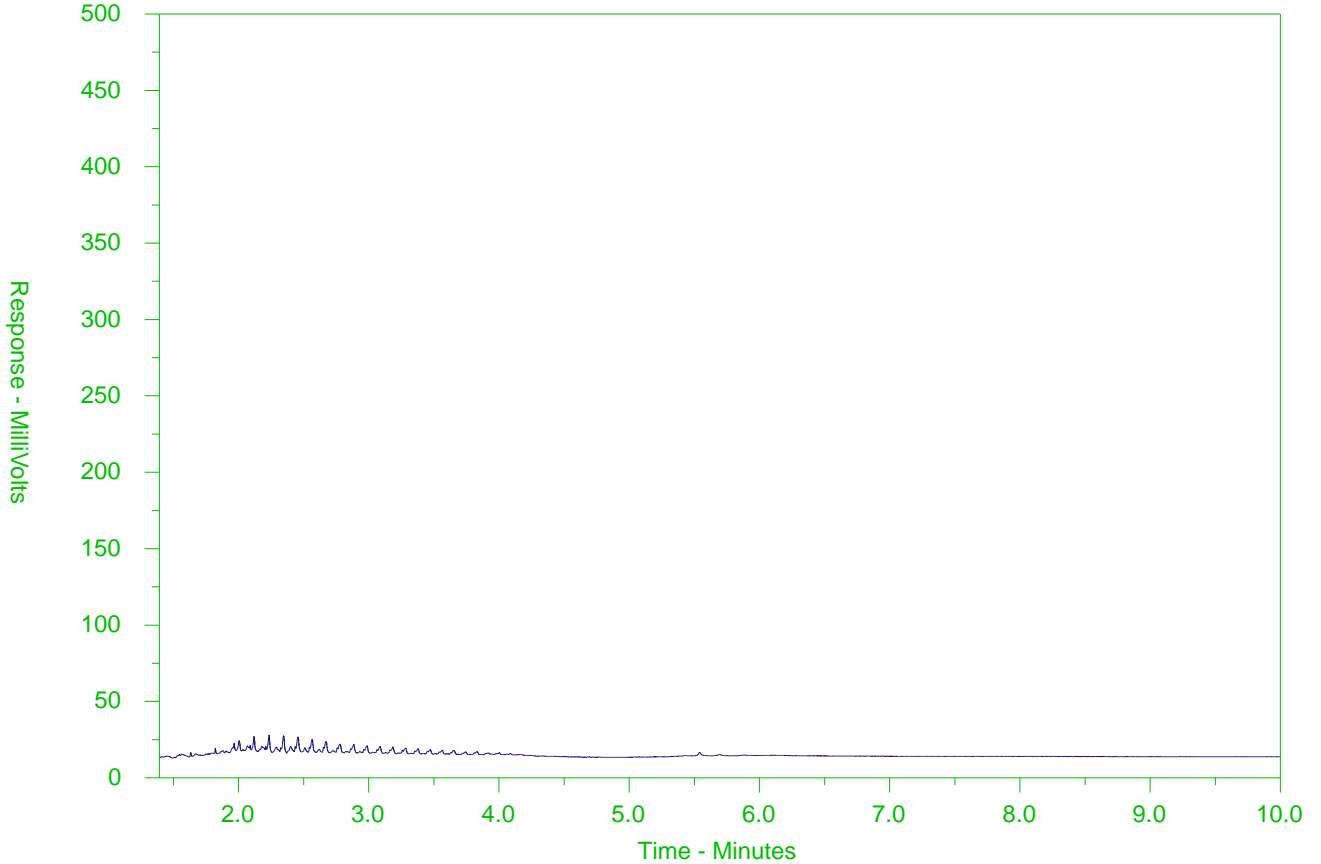
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2709976-8
 Client Sample ID: 5470-BH12-SA2



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

ATTACHMENT 6



ENVIROVISION INC. (MISSISSAUGA)
ATTN: CATALIN IONESCU
196 DRUMLIN CIRCLE
UNIT 3
CONCORD ON L4K 3E5

Date Received: 30-MAY-22
Report Date: 03-JUN-22 09:10 (MT)
Version: FINAL REV. 2

Client Phone: 905-761-1783

Certificate of Analysis

Lab Work Order #: L2710539
Project P.O. #: 5470
Job Reference: 5470
C of C Numbers: 20-951788
Legal Site Desc:

Comments: 03-JUN-22 Revised report comparing to Table 7 groundwater standards per client request. -
A.Overholster

Amanda Overholster
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 5730 Coopers Avenue, Unit #26, Mississauga, ON L4Z 2E9 Canada | Phone: +1 905 507 6910 | Fax: +1 905 507 6927
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Summary of Guideline Exceedances

Guideline							
ALS ID	Client ID	Grouping	Analyte	Result	Guideline Limit	Unit	
Ontario Regulation 153/04 - April 15, 2011 Standards - T7-Non-Potable Ground Water-All Types of Property Use - Coarse (No parameter exceedances)							
Ontario Regulation 153/04 - April 15, 2011 Standards - T7-Non-Potable Ground Water-All Types of Property Uses (Fine) (No parameter exceedances)							

Dissolved Metals - WATER

Lab ID	L2710539-1	L2710539-2
Sample Date	30-MAY-22	30-MAY-22
Sample ID	5470- BH3	5470- BH17

Analyte	Unit	Guide Limits		FIELD	FIELD
		#1	#2		
Dissolved Metals Filtration Location	-	-		FIELD	FIELD
Antimony (Sb)-Dissolved	ug/L	16000	16000	<1.0 ^{DLHC}	<1.0 ^{DLHC}
Arsenic (As)-Dissolved	ug/L	1500	1500	<1.0 ^{DLHC}	<1.0 ^{DLHC}
Barium (Ba)-Dissolved	ug/L	23000	23000	447 ^{DLHC}	517 ^{DLHC}
Beryllium (Be)-Dissolved	ug/L	53	53	<1.0 ^{DLHC}	<1.0 ^{DLHC}
Boron (B)-Dissolved	ug/L	36000	36000	<100 ^{DLHC}	<100 ^{DLHC}
Cadmium (Cd)-Dissolved	ug/L	2.1	2.1	<0.050 ^{DLHC}	<0.050 ^{DLHC}
Chromium (Cr)-Dissolved	ug/L	640	640	<5.0 ^{DLHC}	<5.0 ^{DLHC}
Cobalt (Co)-Dissolved	ug/L	52	52	8.4 ^{DLHC}	7.4 ^{DLHC}
Copper (Cu)-Dissolved	ug/L	69	69	<2.0 ^{DLHC}	<2.0 ^{DLHC}
Lead (Pb)-Dissolved	ug/L	20	20	<0.50 ^{DLHC}	<0.50 ^{DLHC}
Molybdenum (Mo)-Dissolved	ug/L	7300	7300	1.58 ^{DLHC}	1.93 ^{DLHC}
Nickel (Ni)-Dissolved	ug/L	390	390	<5.0 ^{DLHC}	<5.0 ^{DLHC}
Selenium (Se)-Dissolved	ug/L	50	50	<0.50 ^{DLHC}	<0.50 ^{DLHC}
Silver (Ag)-Dissolved	ug/L	1.2	1.2	<0.50 ^{DLHC}	<0.50 ^{DLHC}
Sodium (Na)-Dissolved	ug/L	1800000	1800000	163000 ^{DLHC}	172000 ^{DLHC}
Thallium (Tl)-Dissolved	ug/L	400	400	<0.10 ^{DLHC}	<0.10 ^{DLHC}
Uranium (U)-Dissolved	ug/L	330	330	3.09 ^{DLHC}	3.50 ^{DLHC}
Vanadium (V)-Dissolved	ug/L	200	200	<5.0 ^{DLHC}	<5.0 ^{DLHC}
Zinc (Zn)-Dissolved	ug/L	890	890	<10 ^{DLHC}	<10 ^{DLHC}

Guide Limit #1: T7-Non-Potable Ground Water-All Types of Property Use - Coarse

Guide Limit #2: T7-Non-Potable Ground Water-All Types of Property Uses (Fine)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - WATER

Analyte	Unit	Guide Limits			
		#1	#2		
		Lab ID	L2710539-1	L2710539-2	
		Sample Date	30-MAY-22	30-MAY-22	
		Sample ID	5470- BH3	5470- BH17	
Acetone	ug/L	100000	100000	<30	<30
Benzene	ug/L	0.5	0.5	<0.50	<0.50
Bromodichloromethane	ug/L	67000	67000	<2.0	<2.0
Bromoform	ug/L	5	5	<5.0	<5.0
Bromomethane	ug/L	0.89	0.89	<0.50	<0.50
Carbon tetrachloride	ug/L	0.2	0.2	<0.20	<0.20
Chlorobenzene	ug/L	140	140	<0.50	<0.50
Dibromochloromethane	ug/L	65000	65000	<2.0	<2.0
Chloroform	ug/L	2	2	<1.0	<1.0
1,2-Dibromoethane	ug/L	0.2	0.2	<0.20	<0.20
1,2-Dichlorobenzene	ug/L	150	150	<0.50	<0.50
1,3-Dichlorobenzene	ug/L	7600	7600	<0.50	<0.50
1,4-Dichlorobenzene	ug/L	0.5	0.5	<0.50	<0.50
Dichlorodifluoromethane	ug/L	3500	3500	<2.0	<2.0
1,1-Dichloroethane	ug/L	11	11	<0.50	<0.50
1,2-Dichloroethane	ug/L	0.5	0.5	<0.50	<0.50
1,1-Dichloroethylene	ug/L	0.5	0.5	<0.50	<0.50
cis-1,2-Dichloroethylene	ug/L	1.6	1.6	<0.50	<0.50
trans-1,2-Dichloroethylene	ug/L	1.6	1.6	<0.50	<0.50
Methylene Chloride	ug/L	26	26	<5.0	<5.0
1,2-Dichloropropane	ug/L	0.58	0.58	<0.50	<0.50
cis-1,3-Dichloropropene	ug/L	-	-	<0.30	<0.30
trans-1,3-Dichloropropene	ug/L	-	-	<0.30	<0.30
1,3-Dichloropropene (cis & trans)	ug/L	0.5	0.5	<0.50	<0.50
Ethylbenzene	ug/L	54	54	<0.50	<0.50
n-Hexane	ug/L	5	-	<0.50	<0.50
Methyl Ethyl Ketone	ug/L	21000	21000	<20	<20
Methyl Isobutyl Ketone	ug/L	5200	5200	<20	<20
MTBE	ug/L	15	15	<2.0	<2.0
Styrene	ug/L	43	43	<0.50	<0.50

Guide Limit #1: T7-Non-Potable Ground Water-All Types of Property Use - Coarse

Guide Limit #2: T7-Non-Potable Ground Water-All Types of Property Uses (Fine)

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Volatile Organic Compounds - WATER

Lab ID	L2710539-1	L2710539-2
Sample Date	30-MAY-22	30-MAY-22
Sample ID	5470- BH3	5470- BH17

Analyte	Unit	Guide Limits			
		#1	#2		
1,1,1,2-Tetrachloroethane	ug/L	1.1	1.1	<0.50	<0.50
1,1,2,2-Tetrachloroethane	ug/L	0.5	0.5	<0.50	<0.50
Tetrachloroethylene	ug/L	0.5	0.5	<0.50	<0.50
Toluene	ug/L	320	320	0.65	0.68
1,1,1-Trichloroethane	ug/L	23	23	<0.50	<0.50
1,1,2-Trichloroethane	ug/L	0.5	0.5	<0.50	<0.50
Trichloroethylene	ug/L	0.5	0.5	<0.50	<0.50
Trichlorofluoromethane	ug/L	2000	2000	<5.0	<5.0
Vinyl chloride	ug/L	0.5	0.5	<0.50	<0.50
o-Xylene	ug/L	-	-	<0.30	<0.30
m+p-Xylenes	ug/L	-	-	<0.40	<0.40
Xylenes (Total)	ug/L	72	72	<0.50	<0.50
Surrogate: 4-Bromofluorobenzene	%	-	-	90.8	91.6
Surrogate: 1,4-Difluorobenzene	%	-	-	99.1	99.2

Guide Limit #1: T7-Non-Potable Ground Water-All Types of Property Use - Coarse

Guide Limit #2: T7-Non-Potable Ground Water-All Types of Property Uses (Fine)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Hydrocarbons - WATER

Lab ID	L2710539-1	L2710539-2
Sample Date	30-MAY-22	30-MAY-22
Sample ID	5470- BH3	5470- BH17

Analyte	Unit	Guide Limits			
		#1	#2		
F1 (C6-C10)	ug/L	420	420	<25	<25
F1-BTEX	ug/L	420	420	<25	<25
F2 (C10-C16)	ug/L	150	150	<100	<100
F2-Naphth	ug/L	-	-	<100	<100
F3 (C16-C34)	ug/L	500	500	<250	<250
F3-PAH	ug/L	-	-	<250	<250
F4 (C34-C50)	ug/L	500	500	<250	<250
Total Hydrocarbons (C6-C50)	ug/L	-	-	<370	<370
Chrom. to baseline at nC50	ppm	-	-	YES	YES
Surrogate: 2-Bromobenzotrifluoride	%	-	-	81.9	79.5
Surrogate: 3,4-Dichlorotoluene	%	-	-	89.4	94.0

Guide Limit #1: T7-Non-Potable Ground Water-All Types of Property Use - Coarse

Guide Limit #2: T7-Non-Potable Ground Water-All Types of Property Uses (Fine)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Polycyclic Aromatic Hydrocarbons - WATER

Lab ID	L2710539-1	L2710539-2
Sample Date	30-MAY-22	30-MAY-22
Sample ID	5470- BH3	5470- BH17

Analyte	Unit	Guide Limits			
		#1	#2		
Acenaphthene	ug/L	17	17	<0.020	<0.020
Acenaphthylene	ug/L	1	1	<0.020	<0.020
Anthracene	ug/L	1	1	<0.020	<0.020
Benzo(a)anthracene	ug/L	1.8	1.8	<0.020	<0.020
Benzo(a)pyrene	ug/L	0.81	0.81	<0.010	<0.010
Benzo(b&j)fluoranthene	ug/L	0.75	0.75	<0.020	<0.020
Benzo(g,h,i)perylene	ug/L	0.2	0.2	<0.020	<0.020
Benzo(k)fluoranthene	ug/L	0.4	0.4	<0.020	<0.020
Chrysene	ug/L	0.7	0.7	<0.020	<0.020
Dibenz(a,h)anthracene	ug/L	0.4	0.4	<0.020	<0.020
Fluoranthene	ug/L	44	44	0.023	<0.020
Fluorene	ug/L	290	290	<0.020	<0.020
Indeno(1,2,3-cd)pyrene	ug/L	0.2	0.2	<0.020	<0.020
1+2-Methylnaphthalenes	ug/L	1500	1500	<0.028	<0.028
1-Methylnaphthalene	ug/L	1500	1500	<0.020	<0.020
2-Methylnaphthalene	ug/L	1500	1500	<0.020	<0.020
Naphthalene	ug/L	7	7	<0.050	<0.050
Phenanthrene	ug/L	380	380	<0.020	<0.020
Pyrene	ug/L	5.7	5.7	<0.020	<0.020
Surrogate: Chrysene d12	%	-	-	81.3	67.6
Surrogate: Naphthalene d8	%	-	-	107.4	96.9
Surrogate: Phenanthrene d10	%	-	-	102.7	101.2

Guide Limit #1: T7-Non-Potable Ground Water-All Types of Property Use - Coarse

Guide Limit #2: T7-Non-Potable Ground Water-All Types of Property Uses (Fine)

- Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.
- Analytical result for this parameter exceeds Guide Limits listed. See Summary of Guideline Exceedances.

* Please refer to the Reference Information section for an explanation of any qualifiers noted.

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
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DLHC Detection Limit Raised: Dilution required due to high concentration of test analyte(s).

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
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F1-F4-511-CALC-WT	Water	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-L
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Water	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS
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Fraction F1 is determined by analyzing by headspace-GC/FID.

Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT	Water	F2-F4-O.Reg 153/04 (July 2011)	EPA 3511/CCME Tier 1
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Petroleum Hydrocarbons (F2-F4 fractions) are extracted from water using a hexane micro-extraction technique. Instrumental analysis is by GC-FID, as per the Reference Method for the Canada-Wide Standard for Petroleum Hydrocarbons in Soil Tier 1 Method, CCME, 2001.

Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

MET-D-UG/L-MS-WT	Water	Diss. Metals in Water by ICPMS (ug/L)	EPA 200.8
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The metal constituents of a non-acidified sample that pass through a membrane filter prior to ICP/MS analysis.

Analysis conducted 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), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT	Water	PAH-Calculated Parameters	SW846 8270
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PAH-511-WT	Water	PAH-O. Reg 153/04 (July 2011)	SW846 3510/8270
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Reference Information

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference**
<p>Aqueous samples, fortified with surrogates, are extracted using liquid/liquid extraction technique. The sample extracts are concentrated and then analyzed using GC/MS. Results for benzo(b) fluoranthene may include contributions from benzo(j)fluoranthene, if also present in the sample.</p> <p>Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).</p>			
VOC-1,3-DCP-CALC-WT	Water	Regulation 153 VOCs	SW8260B/SW8270C
VOC-511-HS-WT	Water	VOC by GCMS HS O.Reg 153/04 (July 2011)	SW846 8260
<p>Liquid samples are analyzed by headspace GC/MSD.</p> <p>Analysis conducted 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 and as of November 30, 2020), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).</p>			
XYLENES-SUM-CALC-WT	Water	Sum of Xylene Isomer Concentrations	CALCULATION
<p>Total xylenes represents the sum of o-xylene and m&p-xylene.</p>			

**ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody Numbers:

20-951788

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight
mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guideline limits are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.



Quality Control Report

Workorder: L2710539

Report Date: 03-JUN-22

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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-HS-511-WT		Water						
Batch	R5791463							
WG3733556-4	DUP	WG3733556-3						
F1 (C6-C10)		<25	<25	RPD-NA	ug/L	N/A	30	01-JUN-22
WG3733556-1	LCS							
F1 (C6-C10)			103.6		%		80-120	01-JUN-22
WG3733556-2	MB							
F1 (C6-C10)			<25		ug/L		25	01-JUN-22
Surrogate: 3,4-Dichlorotoluene			100.4		%		60-140	01-JUN-22
WG3733556-5	MS	WG3733556-3						
F1 (C6-C10)			84.6		%		60-140	01-JUN-22
F2-F4-511-WT		Water						
Batch	R5792877							
WG3733344-2	LCS							
F2 (C10-C16)			97.7		%		70-130	02-JUN-22
F3 (C16-C34)			109.4		%		70-130	02-JUN-22
F4 (C34-C50)			96.3		%		70-130	02-JUN-22
WG3733344-1	MB							
F2 (C10-C16)			<100		ug/L		100	02-JUN-22
F3 (C16-C34)			<250		ug/L		250	02-JUN-22
F4 (C34-C50)			<250		ug/L		250	02-JUN-22
Surrogate: 2-Bromobenzotrifluoride			75.6		%		60-140	02-JUN-22
MET-D-UG/L-MS-WT		Water						
Batch	R5791056							
WG3733231-4	DUP	WG3733231-3						
Antimony (Sb)-Dissolved		<1.0	<1.0	RPD-NA	ug/L	N/A	20	31-MAY-22
Arsenic (As)-Dissolved		<1.0	<1.0	RPD-NA	ug/L	N/A	20	31-MAY-22
Barium (Ba)-Dissolved		447	502		ug/L	12	20	31-MAY-22
Beryllium (Be)-Dissolved		<1.0	<1.0	RPD-NA	ug/L	N/A	20	31-MAY-22
Boron (B)-Dissolved		<100	<100	RPD-NA	ug/L	N/A	20	31-MAY-22
Cadmium (Cd)-Dissolved		<0.050	<0.050	RPD-NA	ug/L	N/A	20	31-MAY-22
Chromium (Cr)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	31-MAY-22
Cobalt (Co)-Dissolved		8.4	9.2		ug/L	9.0	20	31-MAY-22
Copper (Cu)-Dissolved		<2.0	2.2	RPD-NA	ug/L	N/A	20	31-MAY-22
Lead (Pb)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	31-MAY-22
Molybdenum (Mo)-Dissolved		1.58	1.90		ug/L	18	20	31-MAY-22
Nickel (Ni)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	31-MAY-22



Quality Control Report

Workorder: L2710539

Report Date: 03-JUN-22

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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT								
	Water							
Batch	R5791056							
WG3733231-4	DUP	WG3733231-3						
Selenium (Se)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	31-MAY-22
Silver (Ag)-Dissolved		<0.50	<0.50	RPD-NA	ug/L	N/A	20	31-MAY-22
Sodium (Na)-Dissolved		163000	172000		ug/L	5.7	20	31-MAY-22
Thallium (Tl)-Dissolved		<0.10	<0.10	RPD-NA	ug/L	N/A	20	31-MAY-22
Uranium (U)-Dissolved		3.09	3.33		ug/L	7.6	20	31-MAY-22
Vanadium (V)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	31-MAY-22
Zinc (Zn)-Dissolved		<10	<10	RPD-NA	ug/L	N/A	20	31-MAY-22
WG3733231-2	LCS							
Antimony (Sb)-Dissolved			102.4		%		80-120	31-MAY-22
Arsenic (As)-Dissolved			103.0		%		80-120	31-MAY-22
Barium (Ba)-Dissolved			103.0		%		80-120	31-MAY-22
Beryllium (Be)-Dissolved			100.5		%		80-120	31-MAY-22
Boron (B)-Dissolved			101.4		%		80-120	31-MAY-22
Cadmium (Cd)-Dissolved			95.9		%		80-120	31-MAY-22
Chromium (Cr)-Dissolved			103.6		%		80-120	31-MAY-22
Cobalt (Co)-Dissolved			102.4		%		80-120	31-MAY-22
Copper (Cu)-Dissolved			100.2		%		80-120	31-MAY-22
Lead (Pb)-Dissolved			100.6		%		80-120	31-MAY-22
Molybdenum (Mo)-Dissolved			99.8		%		80-120	31-MAY-22
Nickel (Ni)-Dissolved			101.4		%		80-120	31-MAY-22
Selenium (Se)-Dissolved			104.3		%		80-120	31-MAY-22
Silver (Ag)-Dissolved			96.0		%		80-120	31-MAY-22
Sodium (Na)-Dissolved			116.6		%		80-120	31-MAY-22
Thallium (Tl)-Dissolved			103.5		%		80-120	31-MAY-22
Uranium (U)-Dissolved			95.8		%		80-120	31-MAY-22
Vanadium (V)-Dissolved			105.4		%		80-120	31-MAY-22
Zinc (Zn)-Dissolved			100.7		%		80-120	31-MAY-22
WG3733231-1	MB							
Antimony (Sb)-Dissolved			<0.10		ug/L		0.1	31-MAY-22
Arsenic (As)-Dissolved			<0.10		ug/L		0.1	31-MAY-22
Barium (Ba)-Dissolved			<0.10		ug/L		0.1	31-MAY-22
Beryllium (Be)-Dissolved			<0.10		ug/L		0.1	31-MAY-22
Boron (B)-Dissolved			<10		ug/L		10	31-MAY-22
Cadmium (Cd)-Dissolved			<0.0050		ug/L		0.005	31-MAY-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
 196 DRUMLIN CIRCLE UNIT 3
 CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-D-UG/L-MS-WT								
	Water							
Batch	R5791056							
WG3733231-1 MB								
Chromium (Cr)-Dissolved			<0.50		ug/L		0.5	31-MAY-22
Cobalt (Co)-Dissolved			<0.10		ug/L		0.1	31-MAY-22
Copper (Cu)-Dissolved			<0.20		ug/L		0.2	31-MAY-22
Lead (Pb)-Dissolved			<0.050		ug/L		0.05	31-MAY-22
Molybdenum (Mo)-Dissolved			<0.050		ug/L		0.05	31-MAY-22
Nickel (Ni)-Dissolved			<0.50		ug/L		0.5	31-MAY-22
Selenium (Se)-Dissolved			<0.050		ug/L		0.05	31-MAY-22
Silver (Ag)-Dissolved			<0.050		ug/L		0.05	31-MAY-22
Sodium (Na)-Dissolved			<50		ug/L		50	31-MAY-22
Thallium (Tl)-Dissolved			<0.010		ug/L		0.01	31-MAY-22
Uranium (U)-Dissolved			<0.010		ug/L		0.01	31-MAY-22
Vanadium (V)-Dissolved			<0.50		ug/L		0.5	31-MAY-22
Zinc (Zn)-Dissolved			<1.0		ug/L		1	31-MAY-22
WG3733231-5 MS		WG3733231-6						
Antimony (Sb)-Dissolved			103.0		%		70-130	31-MAY-22
Arsenic (As)-Dissolved			118.3		%		70-130	31-MAY-22
Barium (Ba)-Dissolved			N/A	MS-B	%		-	31-MAY-22
Beryllium (Be)-Dissolved			109.4		%		70-130	31-MAY-22
Boron (B)-Dissolved			N/A	MS-B	%		-	31-MAY-22
Cadmium (Cd)-Dissolved			99.7		%		70-130	31-MAY-22
Chromium (Cr)-Dissolved			105.7		%		70-130	31-MAY-22
Cobalt (Co)-Dissolved			95.6		%		70-130	31-MAY-22
Copper (Cu)-Dissolved			92.2		%		70-130	31-MAY-22
Lead (Pb)-Dissolved			93.8		%		70-130	31-MAY-22
Molybdenum (Mo)-Dissolved			109.2		%		70-130	31-MAY-22
Nickel (Ni)-Dissolved			95.8		%		70-130	31-MAY-22
Selenium (Se)-Dissolved			123.1		%		70-130	31-MAY-22
Silver (Ag)-Dissolved			89.9		%		70-130	31-MAY-22
Sodium (Na)-Dissolved			N/A	MS-B	%		-	31-MAY-22
Thallium (Tl)-Dissolved			96.3		%		70-130	31-MAY-22
Uranium (U)-Dissolved			N/A	MS-B	%		-	31-MAY-22
Vanadium (V)-Dissolved			113.5		%		70-130	31-MAY-22
Zinc (Zn)-Dissolved			86.8		%		70-130	31-MAY-22
PAH-511-WT	Water							



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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT		Water						
Batch	R5792343							
WG3733344-2	LCS							
1-Methylnaphthalene			101.7		%		50-140	02-JUN-22
2-Methylnaphthalene			98.1		%		50-140	02-JUN-22
Acenaphthene			107.1		%		60-130	02-JUN-22
Acenaphthylene			102.9		%		60-130	02-JUN-22
Anthracene			98.9		%		50-140	02-JUN-22
Benzo(a)anthracene			112.7		%		60-140	02-JUN-22
Benzo(a)pyrene			91.6		%		50-140	02-JUN-22
Benzo(b&j)fluoranthene			93.8		%		60-130	02-JUN-22
Benzo(g,h,i)perylene			103.3		%		50-140	02-JUN-22
Benzo(k)fluoranthene			102.5		%		50-140	02-JUN-22
Chrysene			107.6		%		60-140	02-JUN-22
Dibenz(a,h)anthracene			109.2		%		50-140	02-JUN-22
Fluoranthene			115.8		%		60-140	02-JUN-22
Fluorene			107.0		%		60-130	02-JUN-22
Indeno(1,2,3-cd)pyrene			111.8		%		50-140	02-JUN-22
Naphthalene			96.9		%		50-130	02-JUN-22
Phenanthrene			108.9		%		60-140	02-JUN-22
Pyrene			115.4		%		60-140	02-JUN-22
WG3733344-1	MB							
1-Methylnaphthalene			<0.020		ug/L		0.02	02-JUN-22
2-Methylnaphthalene			<0.020		ug/L		0.02	02-JUN-22
Acenaphthene			<0.020		ug/L		0.02	02-JUN-22
Acenaphthylene			<0.020		ug/L		0.02	02-JUN-22
Anthracene			<0.020		ug/L		0.02	02-JUN-22
Benzo(a)anthracene			<0.020		ug/L		0.02	02-JUN-22
Benzo(a)pyrene			<0.010		ug/L		0.01	02-JUN-22
Benzo(b&j)fluoranthene			<0.020		ug/L		0.02	02-JUN-22
Benzo(g,h,i)perylene			<0.020		ug/L		0.02	02-JUN-22
Benzo(k)fluoranthene			<0.020		ug/L		0.02	02-JUN-22
Chrysene			<0.020		ug/L		0.02	02-JUN-22
Dibenz(a,h)anthracene			<0.020		ug/L		0.02	02-JUN-22
Fluoranthene			<0.020		ug/L		0.02	02-JUN-22
Fluorene			<0.020		ug/L		0.02	02-JUN-22
Indeno(1,2,3-cd)pyrene			<0.020		ug/L		0.02	02-JUN-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-511-WT		Water						
Batch R5792343								
WG3733344-1 MB								
Naphthalene			<0.050		ug/L		0.05	02-JUN-22
Phenanthrene			<0.020		ug/L		0.02	02-JUN-22
Pyrene			<0.020		ug/L		0.02	02-JUN-22
Surrogate: Naphthalene d8			86.9		%		60-140	02-JUN-22
Surrogate: Phenanthrene d10			96.4		%		60-140	02-JUN-22
Surrogate: Chrysene d12			98.3		%		50-150	02-JUN-22
VOC-511-HS-WT		Water						
Batch R5791463								
WG3733556-4 DUP		WG3733556-3						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	01-JUN-22
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	01-JUN-22
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	01-JUN-22
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	01-JUN-22
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	01-JUN-22
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
Chloroform		1.0	1.0		ug/L	2.0	30	01-JUN-22
cis-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	01-JUN-22
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	01-JUN-22
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	01-JUN-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT		Water						
Batch	R5791463							
WG3733556-4	DUP	WG3733556-3						
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	01-JUN-22
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	01-JUN-22
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	01-JUN-22
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	01-JUN-22
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	01-JUN-22
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	01-JUN-22
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	01-JUN-22
Trichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	01-JUN-22
Vinyl chloride		<0.50	<0.50	RPD-NA	ug/L	N/A	30	01-JUN-22
WG3733556-1	LCS							
1,1,1,2-Tetrachloroethane			103.2		%		70-130	01-JUN-22
1,1,1,2,2-Tetrachloroethane			102.8		%		70-130	01-JUN-22
1,1,1-Trichloroethane			107.0		%		70-130	01-JUN-22
1,1,2-Trichloroethane			108.3		%		70-130	01-JUN-22
1,1-Dichloroethane			106.0		%		70-130	01-JUN-22
1,1-Dichloroethylene			104.3		%		70-130	01-JUN-22
1,2-Dibromoethane			105.2		%		70-130	01-JUN-22
1,2-Dichlorobenzene			107.2		%		70-130	01-JUN-22
1,2-Dichloroethane			105.7		%		70-130	01-JUN-22
1,2-Dichloropropane			105.1		%		70-130	01-JUN-22
1,3-Dichlorobenzene			106.5		%		70-130	01-JUN-22
1,4-Dichlorobenzene			111.0		%		70-130	01-JUN-22
Acetone			115.1		%		60-140	01-JUN-22
Benzene			107.3		%		70-130	01-JUN-22
Bromodichloromethane			114.1		%		70-130	01-JUN-22
Bromoform			104.6		%		70-130	01-JUN-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT		Water						
Batch	R5791463							
WG3733556-1	LCS							
Bromomethane			109.5		%		60-140	01-JUN-22
Carbon tetrachloride			103.2		%		70-130	01-JUN-22
Chlorobenzene			103.1		%		70-130	01-JUN-22
Chloroform			106.5		%		70-130	01-JUN-22
cis-1,2-Dichloroethylene			95.6		%		70-130	01-JUN-22
cis-1,3-Dichloropropene			102.6		%		70-130	01-JUN-22
Dibromochloromethane			109.6		%		70-130	01-JUN-22
Dichlorodifluoromethane			123.1		%		50-140	01-JUN-22
Ethylbenzene			103.7		%		70-130	01-JUN-22
n-Hexane			104.5		%		70-130	01-JUN-22
m+p-Xylenes			101.2		%		70-130	01-JUN-22
Methyl Ethyl Ketone			109.5		%		60-140	01-JUN-22
Methyl Isobutyl Ketone			98.2		%		60-140	01-JUN-22
Methylene Chloride			107.4		%		70-130	01-JUN-22
MTBE			101.8		%		70-130	01-JUN-22
o-Xylene			103.4		%		70-130	01-JUN-22
Styrene			103.4		%		70-130	01-JUN-22
Tetrachloroethylene			100.7		%		70-130	01-JUN-22
Toluene			104.4		%		70-130	01-JUN-22
trans-1,2-Dichloroethylene			101.9		%		70-130	01-JUN-22
trans-1,3-Dichloropropene			104.7		%		70-130	01-JUN-22
Trichloroethylene			99.9		%		70-130	01-JUN-22
Trichlorofluoromethane			105.6		%		60-140	01-JUN-22
Vinyl chloride			103.2		%		60-140	01-JUN-22
WG3733556-2	MB							
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	01-JUN-22
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	01-JUN-22
1,1,1-Trichloroethane			<0.50		ug/L		0.5	01-JUN-22
1,1,2-Trichloroethane			<0.50		ug/L		0.5	01-JUN-22
1,1-Dichloroethane			<0.50		ug/L		0.5	01-JUN-22
1,1-Dichloroethylene			<0.50		ug/L		0.5	01-JUN-22
1,2-Dibromoethane			<0.20		ug/L		0.2	01-JUN-22
1,2-Dichlorobenzene			<0.50		ug/L		0.5	01-JUN-22
1,2-Dichloroethane			<0.50		ug/L		0.5	01-JUN-22



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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT								
	Water							
Batch	R5791463							
WG3733556-2 MB								
1,2-Dichloropropane			<0.50		ug/L		0.5	01-JUN-22
1,3-Dichlorobenzene			<0.50		ug/L		0.5	01-JUN-22
1,4-Dichlorobenzene			<0.50		ug/L		0.5	01-JUN-22
Acetone			<30		ug/L		30	01-JUN-22
Benzene			<0.50		ug/L		0.5	01-JUN-22
Bromodichloromethane			<2.0		ug/L		2	01-JUN-22
Bromoform			<5.0		ug/L		5	01-JUN-22
Bromomethane			<0.50		ug/L		0.5	01-JUN-22
Carbon tetrachloride			<0.20		ug/L		0.2	01-JUN-22
Chlorobenzene			<0.50		ug/L		0.5	01-JUN-22
Chloroform			<1.0		ug/L		1	01-JUN-22
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	01-JUN-22
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	01-JUN-22
Dibromochloromethane			<2.0		ug/L		2	01-JUN-22
Dichlorodifluoromethane			<2.0		ug/L		2	01-JUN-22
Ethylbenzene			<0.50		ug/L		0.5	01-JUN-22
n-Hexane			<0.50		ug/L		0.5	01-JUN-22
m+p-Xylenes			<0.40		ug/L		0.4	01-JUN-22
Methyl Ethyl Ketone			<20		ug/L		20	01-JUN-22
Methyl Isobutyl Ketone			<20		ug/L		20	01-JUN-22
Methylene Chloride			<5.0		ug/L		5	01-JUN-22
MTBE			<2.0		ug/L		2	01-JUN-22
o-Xylene			<0.30		ug/L		0.3	01-JUN-22
Styrene			<0.50		ug/L		0.5	01-JUN-22
Tetrachloroethylene			<0.50		ug/L		0.5	01-JUN-22
Toluene			<0.50		ug/L		0.5	01-JUN-22
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	01-JUN-22
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	01-JUN-22
Trichloroethylene			<0.50		ug/L		0.5	01-JUN-22
Trichlorofluoromethane			<5.0		ug/L		5	01-JUN-22
Vinyl chloride			<0.50		ug/L		0.5	01-JUN-22
Surrogate: 1,4-Difluorobenzene			98.2		%		70-130	01-JUN-22
Surrogate: 4-Bromofluorobenzene			92.9		%		70-130	01-JUN-22

WG3733556-5 MS

WG3733556-3



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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT								
	Water							
Batch	R5791463							
WG3733556-5 MS		WG3733556-3						
1,1,1,2-Tetrachloroethane			96.7		%		50-140	01-JUN-22
1,1,2,2-Tetrachloroethane			85.6		%		50-140	01-JUN-22
1,1,1-Trichloroethane			102.8		%		50-140	01-JUN-22
1,1,2-Trichloroethane			95.5		%		50-140	01-JUN-22
1,1-Dichloroethane			103.7		%		50-140	01-JUN-22
1,1-Dichloroethylene			97.2		%		50-140	01-JUN-22
1,2-Dibromoethane			91.9		%		50-140	01-JUN-22
1,2-Dichlorobenzene			102.1		%		50-140	01-JUN-22
1,2-Dichloroethane			99.9		%		50-140	01-JUN-22
1,2-Dichloropropane			98.3		%		50-140	01-JUN-22
1,3-Dichlorobenzene			105.2		%		50-140	01-JUN-22
1,4-Dichlorobenzene			109.2		%		50-140	01-JUN-22
Acetone			100.8		%		50-140	01-JUN-22
Benzene			102.2		%		50-140	01-JUN-22
Bromodichloromethane			109.4		%		50-140	01-JUN-22
Bromoform			91.2		%		50-140	01-JUN-22
Bromomethane			95.8		%		50-140	01-JUN-22
Carbon tetrachloride			102.0		%		50-140	01-JUN-22
Chlorobenzene			96.1		%		50-140	01-JUN-22
Chloroform			102.4		%		50-140	01-JUN-22
cis-1,2-Dichloroethylene			88.5		%		50-140	01-JUN-22
cis-1,3-Dichloropropene			94.6		%		50-140	01-JUN-22
Dibromochloromethane			101.0		%		50-140	01-JUN-22
Dichlorodifluoromethane			97.9		%		50-140	01-JUN-22
Ethylbenzene			95.0		%		50-140	01-JUN-22
n-Hexane			95.7		%		50-140	01-JUN-22
m+p-Xylenes			94.9		%		50-140	01-JUN-22
Methyl Ethyl Ketone			92.8		%		50-140	01-JUN-22
Methyl Isobutyl Ketone			82.6		%		50-140	01-JUN-22
Methylene Chloride			101.2		%		50-140	01-JUN-22
MTBE			96.5		%		50-140	01-JUN-22
o-Xylene			94.4		%		50-140	01-JUN-22
Styrene			92.8		%		50-140	01-JUN-22



Quality Control Report

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Client: ENVIROVISION INC. (MISSISSAUGA)
196 DRUMLIN CIRCLE UNIT 3
CONCORD ON L4K 3E5

Contact: CATALIN IONESCU

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
VOC-511-HS-WT	Water							
Batch	R5791463							
WG3733556-5 MS		WG3733556-3						
Tetrachloroethylene			95.3		%		50-140	01-JUN-22
Toluene			95.4		%		50-140	01-JUN-22
trans-1,2-Dichloroethylene			98.2		%		50-140	01-JUN-22
trans-1,3-Dichloropropene			90.1		%		50-140	01-JUN-22
Trichloroethylene			97.9		%		50-140	01-JUN-22
Trichlorofluoromethane			97.5		%		50-140	01-JUN-22
Vinyl chloride			87.9		%		50-140	01-JUN-22

Quality Control Report

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CONCORD ON L4K 3E5

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Contact: CATALIN IONESCU

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

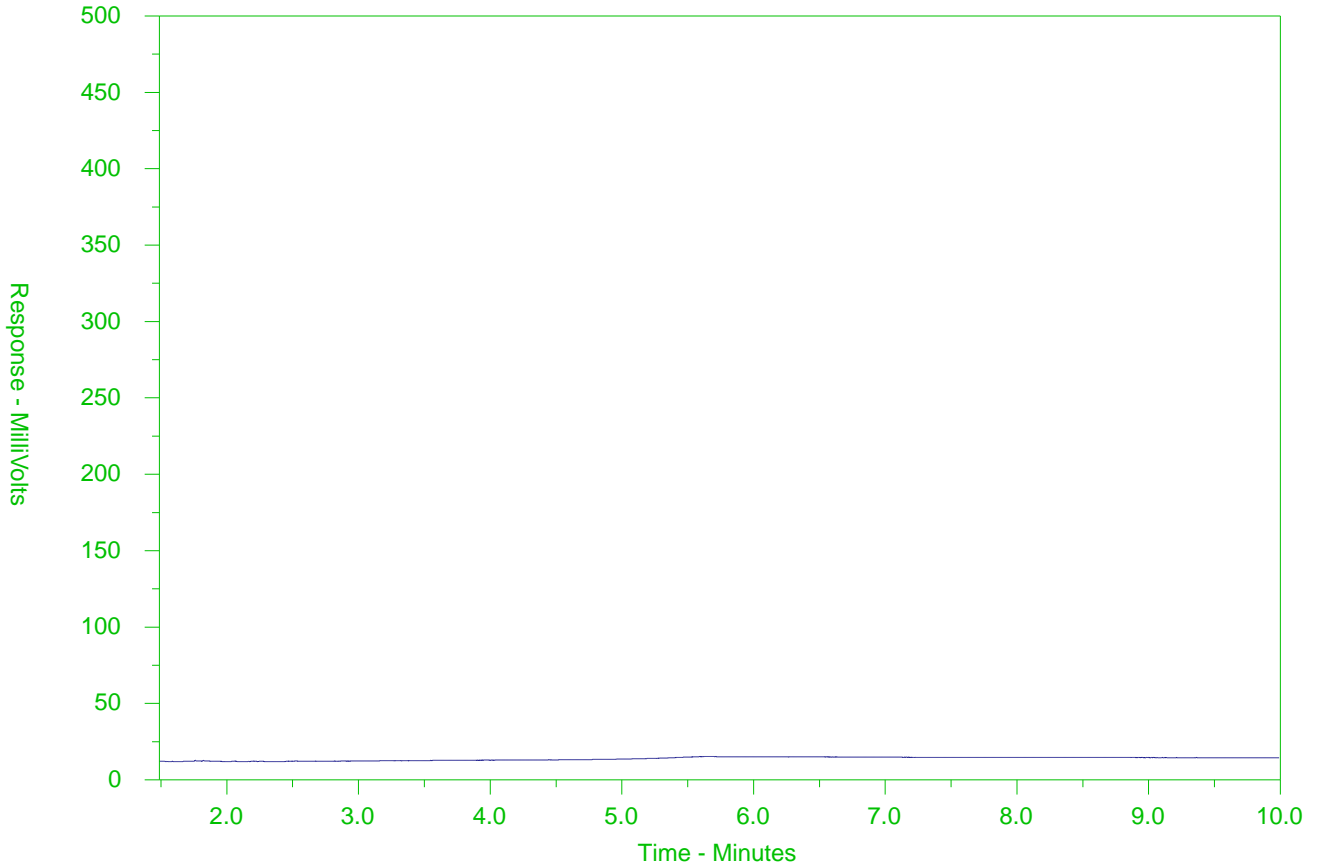
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2710539-1
 Client Sample ID: 5470- BH3



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

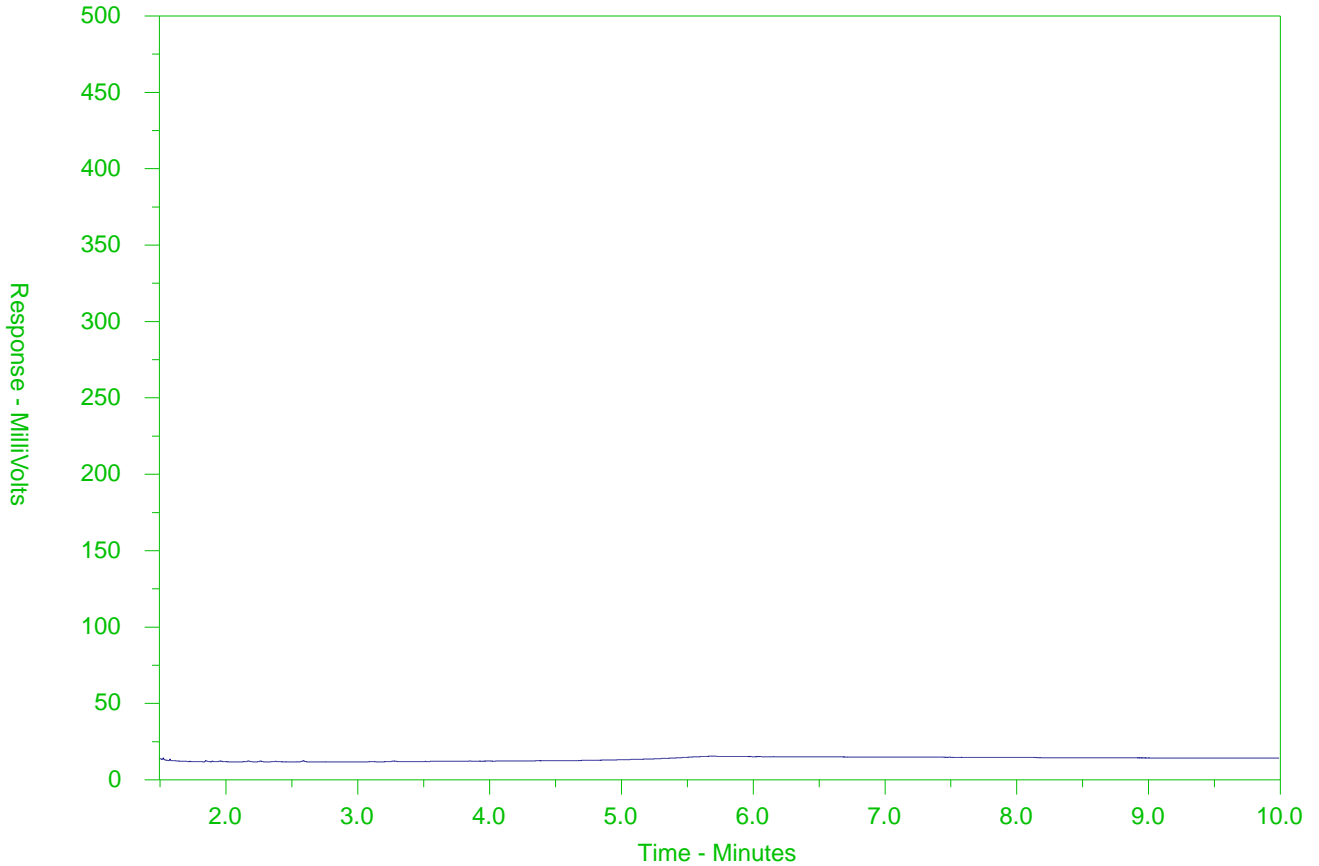
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L2710539-2
 Client Sample ID: 5470- BH17



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

