COMCO CANADA LTD.
100 WELHAM ROAD, BARRIE, ONTARIO L4N 8Y4
TEL: (705) 728-0905
FAX: (705) 728-1438

July 28th, 2016

By E-mail & Mail: Josh.choronzey@pc.gc.ca

Parks Canada
Bruce Peninsula National Park
Fathom Five National Marine Park
120 Chi sin tib dek Road
Tobermory, Ontario, N0H 2R0

Attention: Mr.Josh Choronzey,
Technical Services Coordinator

RE: REMOVAL OF ABOVE-GROUND FUEL TANK
CYPRUS LAKE CAMPGROUND MAINTENANCE COMPOUND-
OUR FILE NO. C523

This report confirms that Comco Canada Ltd. removed one (1) 1,200 Litre aboveground convault diesel fuel tank, serial # 568411, from the maintenance compound at Cyprus Lake Campground; part of Bruce Peninsula National Park. The tank was removed on June 22nd, 2016.

TANK REMOVAL PROCESS

The tank was emptied prior to removal, minimal residual product was discovered at bottom of tank. The residual product was pumped into jerry cans and transported to Comco's facility for proper disposal. The product was transported under UN#1202 using a Comco Canada Ltd. "load reconciliation report". All pumping equipment was removed from the tank prior to the removal by Comco. Photographs of the tank removal are provided in Figures 2 - 4.

The tank was loaded by Vanwyck Crane Services Ltd. crane operator, purged with Carbon Dioxide gas and then transported to Comco's Barrie facility for proper decommissioning.

The tank was properly decommissioned and deconstructed at the Comco facility. This report confirms that the tank is no longer the responsibility or property of the Government of Canada. All work was carried out by Technical Standards and Safety Authority (TSSA) certified PM3 and PMH Petroleum Mechanics. Comco Canada Ltd. is a TSSA registered Liquid Fuels Contractor holding a current certification # FS-0028850001.

SOIL SAMPLING

A Comco Canada Ltd. environmental technician obtained fifteen (15) soil samples from the under the concrete pad and around the perimeter. All soil samples were field screened using olfactory evidence and vapour phase hydrocarbon analysis using with a MiniRAE 3000 portable VOC monitor (serial number 592-903389). This instrument detects Volatile Organic Compounds (VOC) using a photoionization detector with a range of 0 – 15 000 ppm. The precision of readings obtained from the MiniRAE 3000 are ± 1 ppm with an accuracy of ± 10 ppm. Concentrations are shown in the Table I below. All VOC screening results were negligible within screened soil samples. Location of the soil samples are provided in Figure 1. Photographs of the soil sampling is provided in Figure 5 - 7.

Table I: Field screening of soil samples collected

Sample ID	VOC Reading (ppm)	Figure 1 ID
C523-06-22-BH1-0-4"	0.7	1
C523-06-22-BH1-4-6"	0.1	1
C523-06-22-BH2-0-4"	0.2	2
C523-06-22-BH2-4-6"	0.6	2
C523-06-22-BH3-0-6"	1.3	3
C523-06-22-BH3-6-12"	1.1	3
C523-06-22-BH4-0-6"	0.5	4
C523-06-22-BH4-6-12"	4.7	4
C523-06-22-BH5-0-8"	0.5	5
C523-06-22-BH6-0-8"	0.3	6
C523-06-22-BH7-0-8"	0.2	7
C523-06-22-BH8-0-8"	0.7	8
C523-06-22-BH9-0-8"	0.9	9
C523-06-22-BH10-0-8"	0.5	10
C523-06-22-BH11-4.5'	1.1	11

*Highlighted samples submitted for laboratory analysis

SOIL ANALYSIS

Three (3) soil samples along the perimeter of the concrete pad and one (1) soil sample under the concrete pad were submitted for analysis of total petroleum hydrocarbons, Benzene, Ethylbenzene, Toluene and Xylene.

A TPH analysis is used to measure petroleum content in a sample. The components are broken down into the following categories:

- Environmental Protection Act (EPA) classification F1 (C6 – C10): volatile compounds determined by purgeables analysis and consisting of hydrocarbons with carbon chains consisting of less than ten carbon atoms.

- EPA classification F2 (>C10 – C16) and F3 (>C16 – C34): semi-volatile compounds determined by cold solvent extraction and consisting of hydrocarbons with carbon chains containing 10 to 34 carbon atoms.

- EPA classification F4 (>C34): non-volatile compounds determined by hot solvent extraction and consisting of hydrocarbons with carbon chains greater than 34 carbon atoms.

The three groups generally correspond to light hydrocarbons (gasoline), middle distillates (diesel), and heavy oils (motor oils and lubricants).

Volatile organic compounds (VOCs) are identified in petroleum fuels and lubricants. Examples include Benzene, Ethyl benzene, Toluene and Xylene, referred to as BTEX, these compounds are easily identified in impacted soil and present significant threats to human and environmental health.

Comco applied the Ministry of Environment and Climate Change (MOECC) prescribed standards in Table 2: Full Depth Generic Site Condition Standards in a Potable Ground Water Condition for Community use, as required by Part XV.1 of the Environmental Protection Act. This table applies because the Subject Property is found within an area that utilizes a private drinking water wells as a source of potable water, and is a community use.

ANALYTICAL RESULTS

Analyses results for TPH F1-F4 and BTEX are provided in Table II. Exceedances of petroleum hydrocarbon F2 were found in Samples C523-06-BH7-0-8" and C523-06-22-BH11-4.5'. Concentrations of TPH F2 and F3 were detectable in the remaining samples but were below MOECC table 2 criteria.

Volatile organic compounds, Benzene, Ethyl Benzene, Toluene and Xylene were not detected above the method detection levels for the submitted samples.

The exceedances recorded were unexpected based on the olfactory and field screening measurements. Samples from the same location were re-submitted for analysis.

Table II: Analytical Results of Soil Samples for BTEX and TPH F1-F4

Sample ID	C523-06-22-BH7-0-8"	C523-06-22-BH9-0-8"	C523-06-22-BH11-4.5'	C523-06-22-BH4-6-12"	C523-06-22-Dup1	O. Reg. 135/04 Table 2 Community Use
Chain of Custody No. / Contaminant (ppm)	L1790434-2	L1790434-3	L1790434-4	L1790434-1	L1790434-5	
Benzene	<0.0068	<0.014	<0.0068	<0.0068	<0.0068	**0.32**
Ethyl Benzene	<0.018	<0.036	<0.018	<0.018	<0.018	**1.1**
Toluene	<0.080	<0.16	<0.080	<0.080	<0.080	**6.4**
Xylene	<0.050	<0.072	<0.050	<0.050	<0.050	**26**
TPH F1	<5.0	<10	<5.0	<5.0	<5.0	**55**
TPH F2	320	<10	520	36	25	**230**
TPH F3	1250	309	1480	192	185	**1700**
TPH F4	<50	490	<50	<50	<50	**3300**

X – bold and highlighted samples exceed MOECC Table 2 for Industrial, Commercial and Community Use Criteria obtained from MOECC Table 2 values for coarse grain size; Community Property Use as listed in the document entitled "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act".
Concentrations reported in $\mu g\ g^{-1}$ or ppm

SECOND ANALYTICAL RESULTS

Four samples were re-submitted from around the perimeter of the tank pad and under the pad for analysis of TPH F1-F4 and BTEX. Samples C523-06-22-BH8-0-8" and C523-06-22-BH1-4-6" taken in the same area as samples C523-06-22-BH7-0-8" and C523-06-22-BH11-4.5' concentrations were detectable but below MOECC Table 2 criteria. All other samples parameters were below MOECC Table 2 criteria. The results are provided in Table III.

The Certificates of Analysis from ALS Environmental Laboratory, Waterloo, Ontario are included at the end of this report.

Table III: Analytical Results of the re-submitted Soil Samples for BTEX and TPH F1-F4

Sample ID	C523-06-22-BH1-4-6"	C523-06-22-BH2-4-6"	C523-06-22-BH5-0-8"	C523-06-22-BH8-0-8"	C523-06-22-Dup1	O. Reg. 135/04 Table 2 Community Use
Chain of Custody No. / Contaminant (ppm)	L1800912-1-	L1800912-2-	L1800912-3-	L1800912-4-	L1800912-5-	
Benzene	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	**0.32**
Ethyl Benzene	<0.018	<0.018	<0.018	<0.018	<0.018	**1.1**
Toluene	<0.080	<0.080	<0.080	<0.080	<0.080	**6.4**
Xylene	<0.050	<0.050	<0.050	<0.050	<0.050	**26**
TPH F1	<5.0	<5.0	<5.0	<5.0	<5.0	**55**
TPH F2	25	39	131	87	131	**230**
TPH F3	129	249	408	548	398	**1700**
TPH F4	51	99	<50	<50	<50	**3300**

X – bold and highlighted samples exceed MOECC Table 2 for Industrial, Commercial and Community Use Criteria obtained from MOECC Table 2 values for coarse grain size; Community Property Use as listed in the document entitled "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act".
Concentrations reported in $\mu g\ g^{-1}$ or ppm

QUALITY ASSURANCE AND QUALITY CONTROL RESULTS

Soils were collected according to standard procedures. Sample preservation, storage and hold times were within the requirements of the regulation.

Two (2) duplicate soil sample were obtained during sampling. The duplicate sample of C523-06-22-BH4-6-12" was submitted for analysis as C523-06-22-Dup1 and C523-06-22-BH8-0-8" was submitted as C523-06-22-DUP1. The duplicate soil sample was submitted for analysis of TPH F1-F4 BTEX.

All parameters analyzed in the duplicate samples and original samples had detectable petroleum hydrocarbons for F2 and F3. There is variation between original and duplicate analysis but the variation is considered acceptable.

CONCLUSION

It is our opinion that the soil in the vicinity of the 1,200 litre convault aboveground diesel storage tank currently meets MOECC criteria for the site classification in the area investigated. No further investigation or impact remediation is required. No assessment was conducted outside the area indicated in Figure 1 and as outlined. No comments can be made regarding the remainder of the Subject Property.

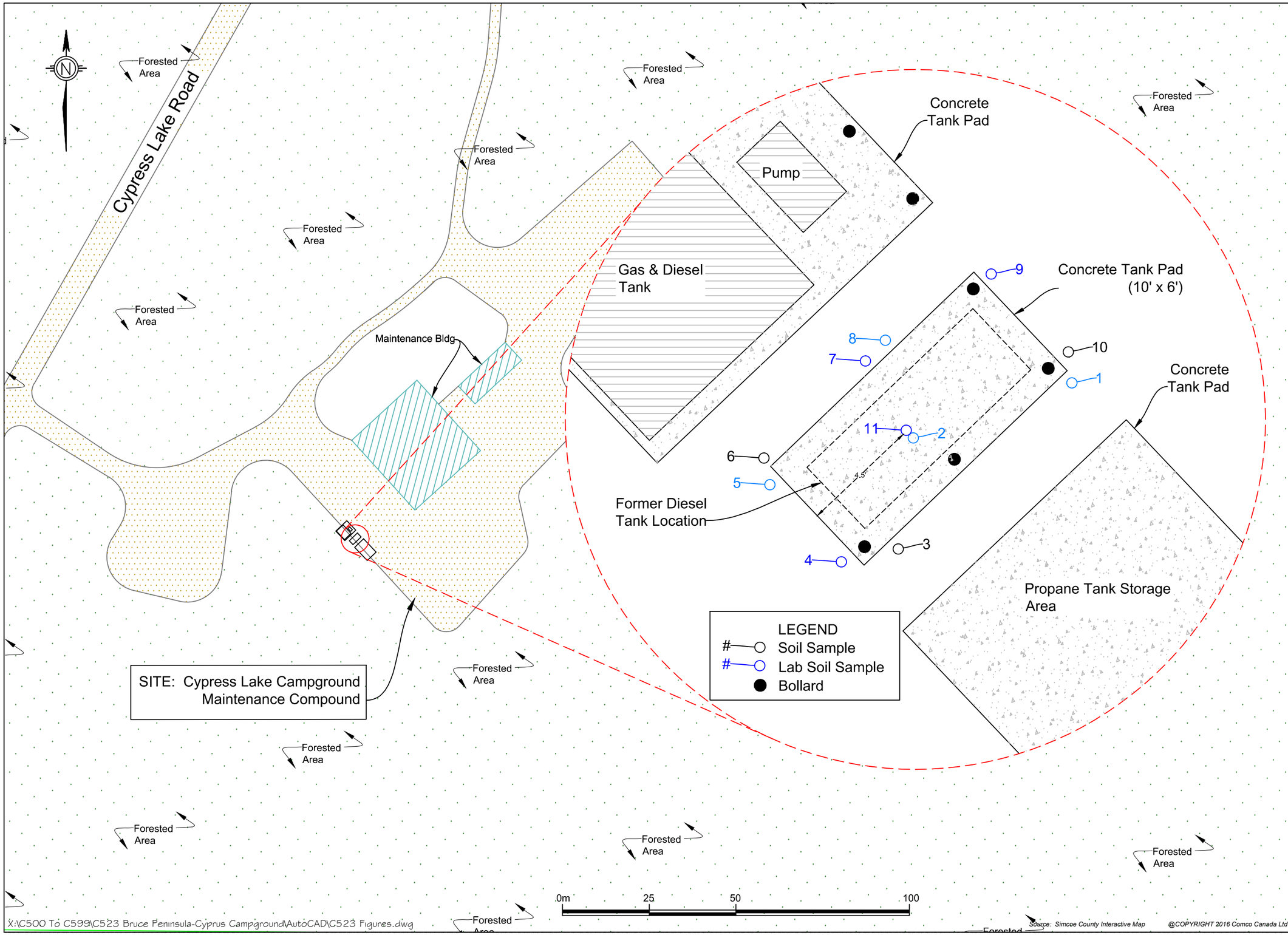
Please contact the undersigned at your convenience to any comments or concerns regarding this report.

Yours Truly,

b/p

G.E. Thompson, P. Eng.

REGISTERED PROFESSIONAL ENGINEER
07/28/16
G. E. THOMPSON
PROVINCE OF ONTARIO



X:\C500 To C599\C523 Bruce Peninsula-Cyprus Campground\AutoCAD\C523 Figures.dwg

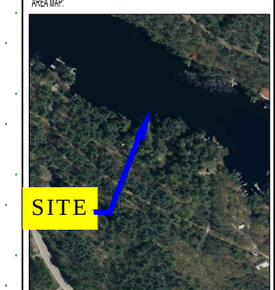
Source: Simcoe County Interactive Map

COMCO CANADA LTD
100 WELHAM ROAD
BARRIE, ONT
www.comcocanada.com

Attn: Parks Canada, Bruce Peninsula National Park
120 Chi sin tib dek Road
Tobermory, Ontario, N0H 2R0

Subject Property Layout
Cyprus Lake Campground
Tobermory,ON.

AREA MAP:



LOCAL MAP:

DRWN BY: LSEM
CHK'D BY:
DATE: JULY 2016

REVISIONS:

JOB NO: C523

FIGURE: 1

Figure 2: Removal of the 1,200 L convault diesel storage tank.

Figure 3: loading the tank.

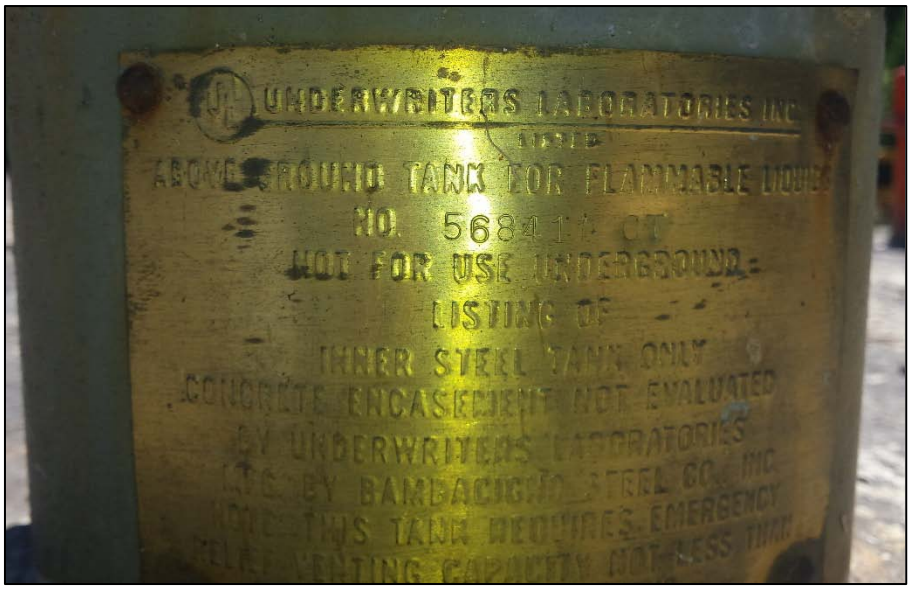


Figure 4: Identification Tag.

Figure 5: Hand Auguring around the perimeter of the tank pad.

Figure 6: Hand Auguring under the concrete pad.

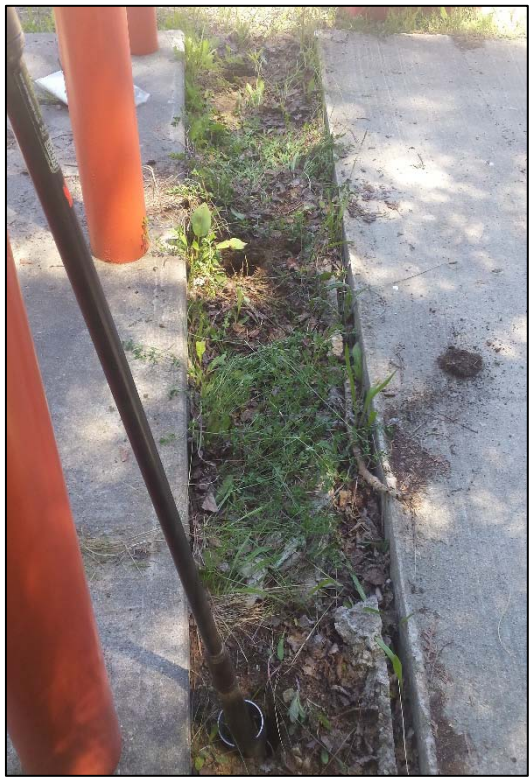


Figure 7: Boreholes along the perimeter of the concrete pad.

APPENDIX A:

ALS Certificates of Analysis

COMCO CANADA LTD.
ATTN: GORD THOMPSON
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Date Received: 28-JUN-16
Report Date: 13-JUL-16 10:36 (MT)
Version: FINAL

Client Phone: 705-728-0905

Certificate of Analysis

Lab Work Order #: L1790434

Project P.O. #: CP2122
Job Reference: C523
C of C Numbers: OL-2101
Legal Site Desc:

Nancy Smith
Account Manager

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1790434-1 C523-06-22-BH4-6-12"							
Sampled By: BRYCE PAGE on 22-JUN-16 @ 12:00							
Matrix: SOIL							
Physical Tests							
% Moisture	5.33		0.10	%	30-JUN-16	01-JUL-16	R3493143
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	29-JUN-16	04-JUL-16	R3495135
Ethylbenzene	<0.018		0.018	ug/g	29-JUN-16	04-JUL-16	R3495135
Toluene	<0.080		0.080	ug/g	29-JUN-16	04-JUL-16	R3495135
o-Xylene	<0.020		0.020	ug/g	29-JUN-16	04-JUL-16	R3495135
m+p-Xylenes	<0.030		0.030	ug/g	29-JUN-16	04-JUL-16	R3495135
Xylenes (Total)	<0.050		0.050	ug/g		04-JUL-16	
Surrogate: 4-Bromofluorobenzene	102.4		70-130	%	29-JUN-16	04-JUL-16	R3495135
Surrogate: 1,4-Difluorobenzene	105.3		70-130	%	29-JUN-16	04-JUL-16	R3495135
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	29-JUN-16	04-JUL-16	R3495135
F1-BTEX	<5.0		5.0	ug/g		12-JUL-16	
F2 (C10-C16)	36		10	ug/g	11-JUL-16	12-JUL-16	R3501761
F3 (C16-C34)	192		50	ug/g	11-JUL-16	12-JUL-16	R3501761
F4 (C34-C50)	<50		50	ug/g	11-JUL-16	12-JUL-16	R3501761
Total Hydrocarbons (C6-C50)	228		72	ug/g		12-JUL-16	
Chrom. to baseline at nC50	YES				11-JUL-16	12-JUL-16	R3501761
Surrogate: 2-Bromobenzotrifluoride	99.2		60-140	%	11-JUL-16	12-JUL-16	R3501761
Surrogate: 3,4-Dichlorotoluene	78.3		60-140	%	29-JUN-16	04-JUL-16	R3495135
L1790434-2 C523-06-22-BH7-0-8"							
Sampled By: BRYCE PAGE on 22-JUN-16 @ 13:00							
Matrix: SOIL							
Physical Tests							
% Moisture	7.36		0.10	%	30-JUN-16	01-JUL-16	R3493143
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	29-JUN-16	04-JUL-16	R3495135
Ethylbenzene	<0.018		0.018	ug/g	29-JUN-16	04-JUL-16	R3495135
Toluene	<0.080		0.080	ug/g	29-JUN-16	04-JUL-16	R3495135
o-Xylene	<0.020		0.020	ug/g	29-JUN-16	04-JUL-16	R3495135
m+p-Xylenes	<0.030		0.030	ug/g	29-JUN-16	04-JUL-16	R3495135
Xylenes (Total)	<0.050		0.050	ug/g		04-JUL-16	
Surrogate: 4-Bromofluorobenzene	115.7		70-130	%	29-JUN-16	04-JUL-16	R3495135
Surrogate: 1,4-Difluorobenzene	117.6		70-130	%	29-JUN-16	04-JUL-16	R3495135
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	29-JUN-16	04-JUL-16	R3495135
F1-BTEX	<5.0		5.0	ug/g		12-JUL-16	
F2 (C10-C16)	320		10	ug/g	11-JUL-16	12-JUL-16	R3501761
F3 (C16-C34)	1250		50	ug/g	11-JUL-16	12-JUL-16	R3501761
F4 (C34-C50)	<50		50	ug/g	11-JUL-16	12-JUL-16	R3501761
Total Hydrocarbons (C6-C50)	1570		72	ug/g		12-JUL-16	
Chrom. to baseline at nC50	YES				11-JUL-16	12-JUL-16	R3501761

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1790434-2 C523-06-22-BH7-0-8"							
Sampled By: BRYCE PAGE on 22-JUN-16 @ 13:00							
Matrix: SOIL							
Hydrocarbons							
Surrogate: 2-Bromobenzotrifluoride	101.3		60-140	%	11-JUL-16	12-JUL-16	R3501761
Surrogate: 3,4-Dichlorotoluene	75.0		60-140	%	29-JUN-16	04-JUL-16	R3495135
L1790434-3 C523-06-22-BH9-0-8"							
Sampled By: BRYCE PAGE on 22-JUN-16 @ 13:00							
Matrix: SOIL							
Physical Tests							
% Moisture	7.86		0.10	%	30-JUN-16	01-JUL-16	R3493143
Volatile Organic Compounds							
Benzene	<0.014	DLIS	0.014	ug/g	29-JUN-16	04-JUL-16	R3495135
Ethylbenzene	<0.036	DLIS	0.036	ug/g	29-JUN-16	04-JUL-16	R3495135
Toluene	<0.16	DLIS	0.16	ug/g	29-JUN-16	04-JUL-16	R3495135
o-Xylene	<0.040	DLIS	0.040	ug/g	29-JUN-16	04-JUL-16	R3495135
m+p-Xylenes	<0.060	DLIS	0.060	ug/g	29-JUN-16	04-JUL-16	R3495135
Xylenes (Total)	<0.072		0.072	ug/g		04-JUL-16	
Surrogate: 4-Bromofluorobenzene	115.9		70-130	%	29-JUN-16	04-JUL-16	R3495135
Surrogate: 1,4-Difluorobenzene	115.1		70-130	%	29-JUN-16	04-JUL-16	R3495135
Hydrocarbons							
F1 (C6-C10)	<10	DLIS	10	ug/g	29-JUN-16	04-JUL-16	R3495135
F1-BTEX	<10		10	ug/g		12-JUL-16	
F2 (C10-C16)	<10		10	ug/g	11-JUL-16	12-JUL-16	R3501761
F3 (C16-C34)	309		50	ug/g	11-JUL-16	12-JUL-16	R3501761
F4 (C34-C50)	74		50	ug/g	11-JUL-16	12-JUL-16	R3501761
F4G-SG (GHH-Silica)	490		250	ug/g	10-JUL-16	10-JUL-16	R3502231
Total Hydrocarbons (C6-C50)	383		72	ug/g		12-JUL-16	
Chrom. to baseline at nC50	NO				11-JUL-16	12-JUL-16	R3501761
Surrogate: 2-Bromobenzotrifluoride	103.1		60-140	%	11-JUL-16	12-JUL-16	R3501761
Surrogate: 3,4-Dichlorotoluene	86.4		60-140	%	29-JUN-16	04-JUL-16	R3495135
L1790434-4 C523-06-22-BH11-4-5"							
Sampled By: BRYCE PAGE on 22-JUN-16 @ 13:00							
Matrix: SOIL							
Physical Tests							
% Moisture	3.65		0.10	%	30-JUN-16	01-JUL-16	R3493143
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	29-JUN-16	04-JUL-16	R3495135
Ethylbenzene	<0.018		0.018	ug/g	29-JUN-16	04-JUL-16	R3495135
Toluene	<0.080		0.080	ug/g	29-JUN-16	04-JUL-16	R3495135
o-Xylene	<0.020		0.020	ug/g	29-JUN-16	04-JUL-16	R3495135
m+p-Xylenes	<0.030		0.030	ug/g	29-JUN-16	04-JUL-16	R3495135
Xylenes (Total)	<0.050		0.050	ug/g		04-JUL-16	
Surrogate: 4-Bromofluorobenzene	115.1		70-130	%	29-JUN-16	04-JUL-16	R3495135
Surrogate: 1,4-Difluorobenzene	116.7		70-130	%	29-JUN-16	04-JUL-16	R3495135
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	29-JUN-16	04-JUL-16	R3495135

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1790434-4 C523-06-22-BH11-4-5"							
Sampled By: BRYCE PAGE on 22-JUN-16 @ 13:00							
Matrix: SOIL							
Hydrocarbons							
F1-BTEX	<5.0		5.0	ug/g		12-JUL-16	
F2 (C10-C16)	520		10	ug/g	11-JUL-16	12-JUL-16	R3501761
F3 (C16-C34)	1480		50	ug/g	11-JUL-16	12-JUL-16	R3501761
F4 (C34-C50)	<50		50	ug/g	11-JUL-16	12-JUL-16	R3501761
Total Hydrocarbons (C6-C50)	2000		72	ug/g		12-JUL-16	
Chrom. to baseline at nC50	YES				11-JUL-16	12-JUL-16	R3501761
Surrogate: 2-Bromobenzotrifluoride	100.3		60-140	%	11-JUL-16	12-JUL-16	R3501761
Surrogate: 3,4-Dichlorotoluene	69.7		60-140	%	29-JUN-16	04-JUL-16	R3495135
L1790434-5 C523-06-22-DUP 1							
Sampled By: BRYCE PAGE on 22-JUN-16 @ 13:00							
Matrix: SOIL							
Physical Tests							
% Moisture	5.46		0.10	%	30-JUN-16	01-JUL-16	R3493143
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	29-JUN-16	04-JUL-16	R3495135
Ethylbenzene	<0.018		0.018	ug/g	29-JUN-16	04-JUL-16	R3495135
Toluene	<0.080		0.080	ug/g	29-JUN-16	04-JUL-16	R3495135
o-Xylene	<0.020		0.020	ug/g	29-JUN-16	04-JUL-16	R3495135
m+p-Xylenes	<0.030		0.030	ug/g	29-JUN-16	04-JUL-16	R3495135
Xylenes (Total)	<0.050		0.050	ug/g		04-JUL-16	
Surrogate: 4-Bromofluorobenzene	114.9		70-130	%	29-JUN-16	04-JUL-16	R3495135
Surrogate: 1,4-Difluorobenzene	112.7		70-130	%	29-JUN-16	04-JUL-16	R3495135
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	29-JUN-16	04-JUL-16	R3495135
F1-BTEX	<5.0		5.0	ug/g		12-JUL-16	
F2 (C10-C16)	25		10	ug/g	11-JUL-16	12-JUL-16	R3501761
F3 (C16-C34)	185		50	ug/g	11-JUL-16	12-JUL-16	R3501761
F4 (C34-C50)	<50		50	ug/g	11-JUL-16	12-JUL-16	R3501761
Total Hydrocarbons (C6-C50)	210		72	ug/g		12-JUL-16	
Chrom. to baseline at nC50	YES				11-JUL-16	12-JUL-16	R3501761
Surrogate: 2-Bromobenzotrifluoride	100.4		60-140	%	11-JUL-16	12-JUL-16	R3501761
Surrogate: 3,4-Dichlorotoluene	89.2		60-140	%	29-JUN-16	04-JUL-16	R3495135

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier key listed:

Qualifier	Description
DLIS	Detection Limit Adjusted: Insufficient Sample

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
BTX-511-HS-WT	Soil	BTEX-O.Reg 153/04 (July 2011)	SW846 8260

BTX is determined by extracting a soil or sediment sample as received with methanol, then analyzing 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).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S

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

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), 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)	MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by 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), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F4G-ADD-511-WT	Soil	F4G SG-O.Reg 153/04 (July 2011)	MOE DECPH-E3398/CCME TIER 1

F4G, gravimetric analysis, is determined if the chromatogram does not return to baseline at or before C50. A soil sample is extracted with a solvent mix, the solvent is evaporated and the weight of the residue is determined.

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).

MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
XYLENES-SUM-CALC-WT	Soil	Sum of Xylene Isomer Concentrations	CALCULATION

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.

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

Reference Information

WT ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

Chain of Custody Numbers:

OL-2101

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 weight of sample
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.

Quality Control Report

Workorder: L1790434 Report Date: 13-JUL-16

Client: COMCO CANADA LTD.
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Contact: GORD THOMPSON

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX-511-HS-WT	**Soil**							
Batch R3495135								
WG2337558-4 DUP		**WG2337558-3**						
Benzene		<0.0068	<0.0068	RPD-NA	ug/g	N/A	40	04-JUL-16
Ethylbenzene		<0.018	<0.018	RPD-NA	ug/g	N/A	40	04-JUL-16
m+p-Xylenes		<0.030	<0.030	RPD-NA	ug/g	N/A	40	04-JUL-16
o-Xylene		<0.020	<0.020	RPD-NA	ug/g	N/A	40	04-JUL-16
Toluene		<0.080	<0.080	RPD-NA	ug/g	N/A	40	04-JUL-16
WG2337558-2 LCS								
Benzene			99.7		%		70-130	30-JUN-16
Ethylbenzene			95.2		%		70-130	30-JUN-16
m+p-Xylenes			97.0		%		70-130	30-JUN-16
o-Xylene			97.6		%		70-130	30-JUN-16
Toluene			97.8		%		70-130	30-JUN-16
WG2337558-1 MB								
Benzene			<0.0068		ug/g		0.0068	30-JUN-16
Ethylbenzene			<0.018		ug/g		0.018	30-JUN-16
m+p-Xylenes			<0.030		ug/g		0.03	30-JUN-16
o-Xylene			<0.020		ug/g		0.02	30-JUN-16
Toluene			<0.080		ug/g		0.08	30-JUN-16
Surrogate: 1,4-Difluorobenzene			108.3		%		70-130	30-JUN-16
Surrogate: 4-Bromofluorobenzene			105.0		%		70-130	30-JUN-16
WG2337558-5 MS		**WG2337558-3**						
Benzene			99.9		%		60-140	30-JUN-16
Ethylbenzene			94.0		%		60-140	30-JUN-16
m+p-Xylenes			95.8		%		60-140	30-JUN-16
o-Xylene			99.9		%		60-140	30-JUN-16
Toluene			98.1		%		60-140	30-JUN-16
F1-HS-511-WT	**Soil**							
Batch R3495135								
WG2337558-4 DUP		**WG2337558-3**						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	50	04-JUL-16
WG2337558-2 LCS								
F1 (C6-C10)			94.8		%		80-120	30-JUN-16
WG2337558-1 MB								
F1 (C6-C10)			<5.0		ug/g		5	30-JUN-16
Surrogate: 3,4-Dichlorotoluene			86.8		%		60-140	30-JUN-16
WG2337558-7 MS		**WG2337558-6**						

Quality Control Report

Workorder: L1790434 Report Date: 13-JUL-16

Client: COMCO CANADA LTD.
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Contact: GORD THOMPSON

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-HS-511-WT	**Soil**							
Batch R3495135								
WG2337558-7 MS		**WG2337558-6**						
F1 (C6-C10)			92.0		%		60-140	30-JUN-16
F2-F4-511-WT	**Soil**							
Batch R3501761								
WG2345000-3 CRM		**ALS PHC2 IRM**						
F2 (C10-C16)			82.7		%		70-130	12-JUL-16
F3 (C16-C34)			92.0		%		70-130	12-JUL-16
F4 (C34-C50)			97.6		%		70-130	12-JUL-16
WG2345000-5 DUP		**WG2345000-4**						
F2 (C10-C16)		14	<10	RPD-NA	ug/g	N/A	40	12-JUL-16
F3 (C16-C34)		62	<50	RPD-NA	ug/g	N/A	40	12-JUL-16
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	12-JUL-16
WG2345000-2 LCS								
F2 (C10-C16)			88.5		%		80-120	12-JUL-16
F3 (C16-C34)			93.9		%		80-120	12-JUL-16
F4 (C34-C50)			98.4		%		80-120	12-JUL-16
WG2345000-1 MB								
F2 (C10-C16)			<10		ug/g		10	12-JUL-16
F3 (C16-C34)			<50		ug/g		50	12-JUL-16
F4 (C34-C50)			<50		ug/g		50	12-JUL-16
Surrogate: 2-Bromobenzotrifluoride			94.7		%		60-140	12-JUL-16
F4G-ADD-511-WT	**Soil**							
Batch R3502231								
WG2346356-2 LCS								
F4G-SG (GHH-Silica)			77.6		%		60-140	10-JUL-16
WG2346356-3 LCSD		**WG2346356-2**						
WG2346356-1 MB								
F4G-SG (GHH-Silica)			<250		ug/g		250	10-JUL-16
MOISTURE-WT	**Soil**							
Batch R3493143								
WG2338346-3 DUP		**L1790434-1**						
% Moisture		5.33	5.35		%	0.4	20	01-JUL-16
WG2338346-2 LCS								
% Moisture			102.6		%		90-110	01-JUL-16
WG2338346-1 MB								
% Moisture			<0.10		%		0.1	01-JUL-16

Quality Control Report

Workorder: L1790434 Report Date: 13-JUL-16

Client: COMCO CANADA LTD.
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Contact: GORD THOMPSON

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
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.

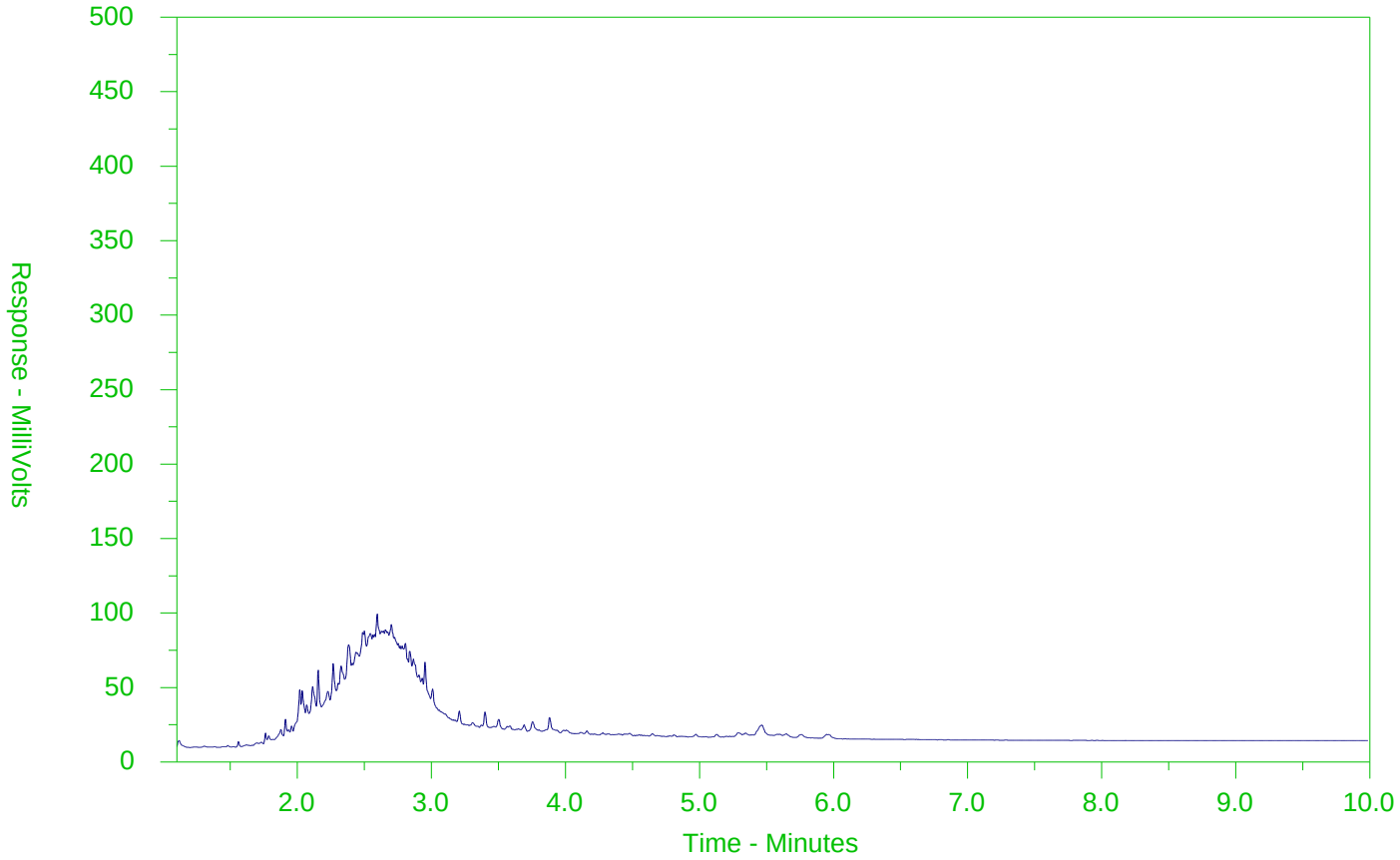
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where 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: L1790434-1
Client Sample ID: C523-06-22-BH4-6-12"



← 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.

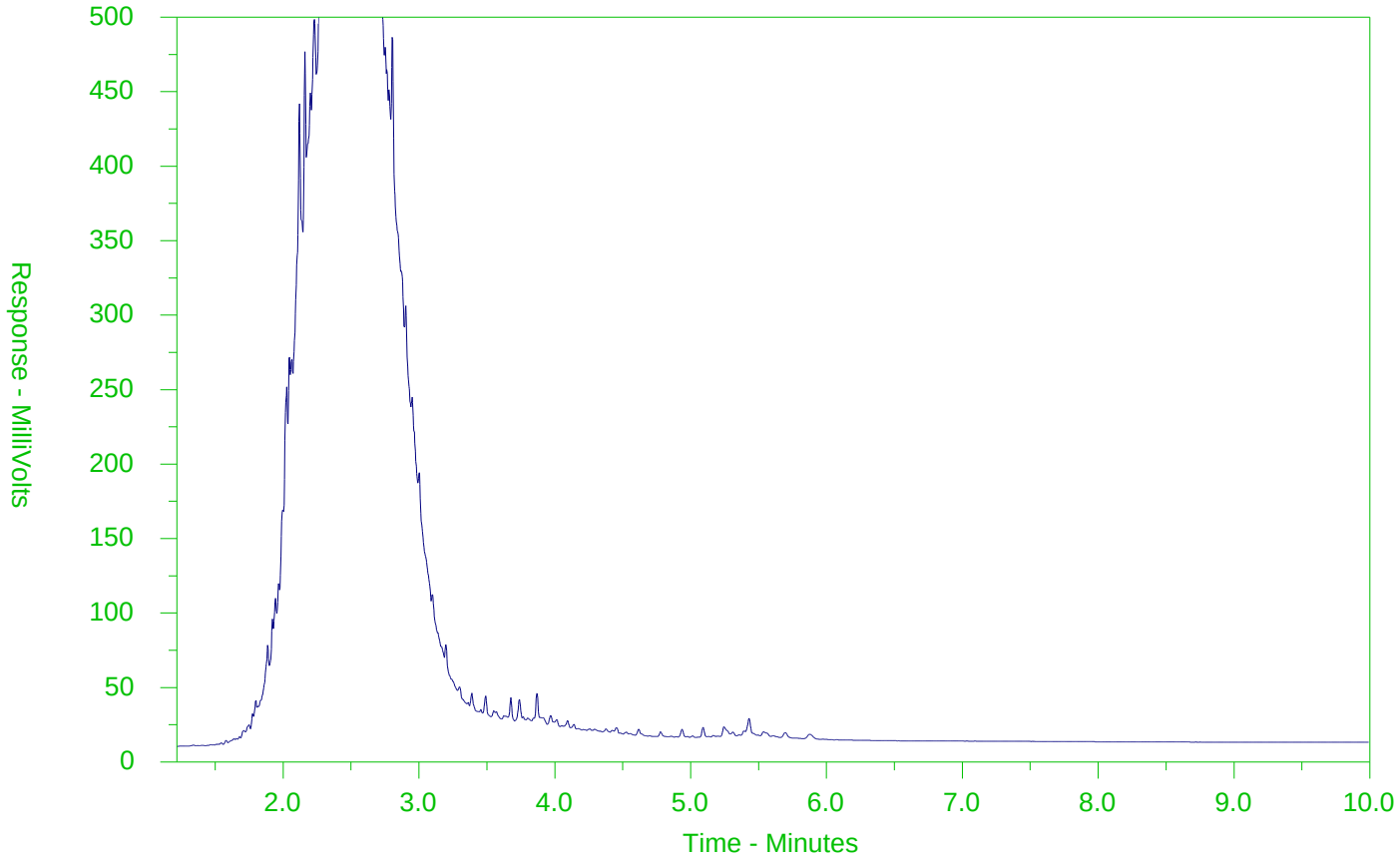
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1790434-2
Client Sample ID: C523-06-22-BH7-0-8"



← 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.

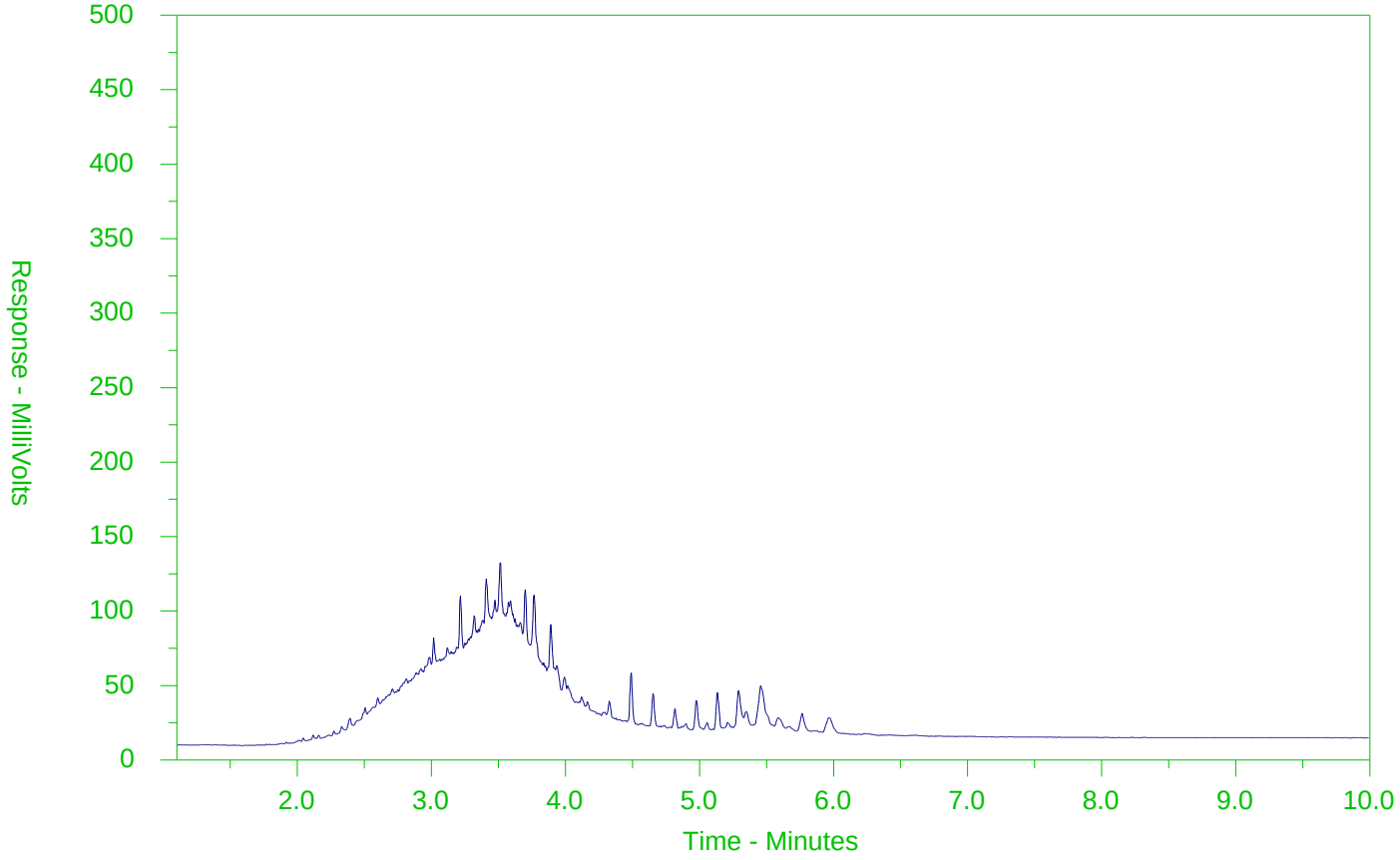
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1790434-3
Client Sample ID: C523-06-22-BH9-0-8"



← 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.

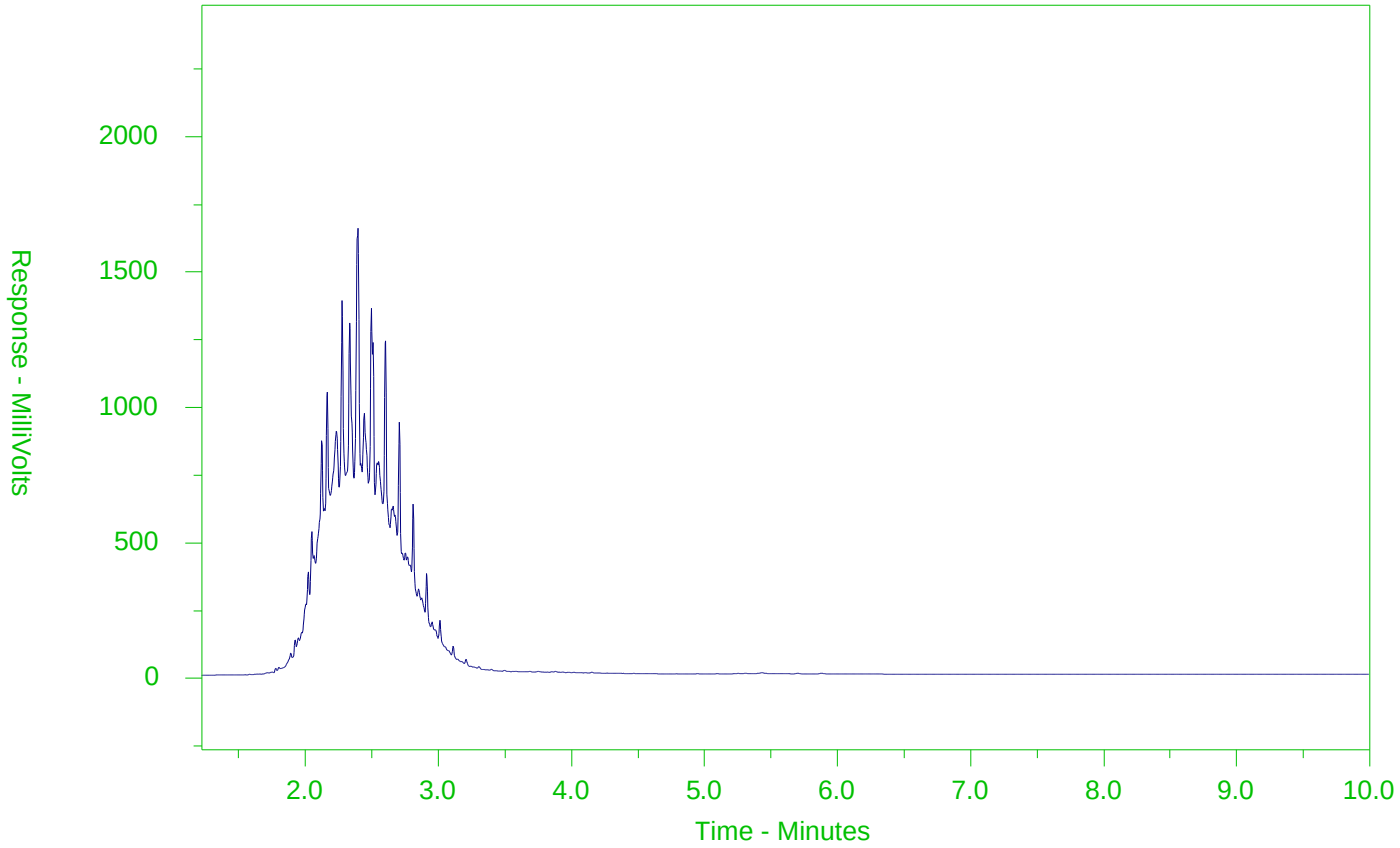
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1790434-4
Client Sample ID: C523-06-22-BH11-4-5"



← 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.

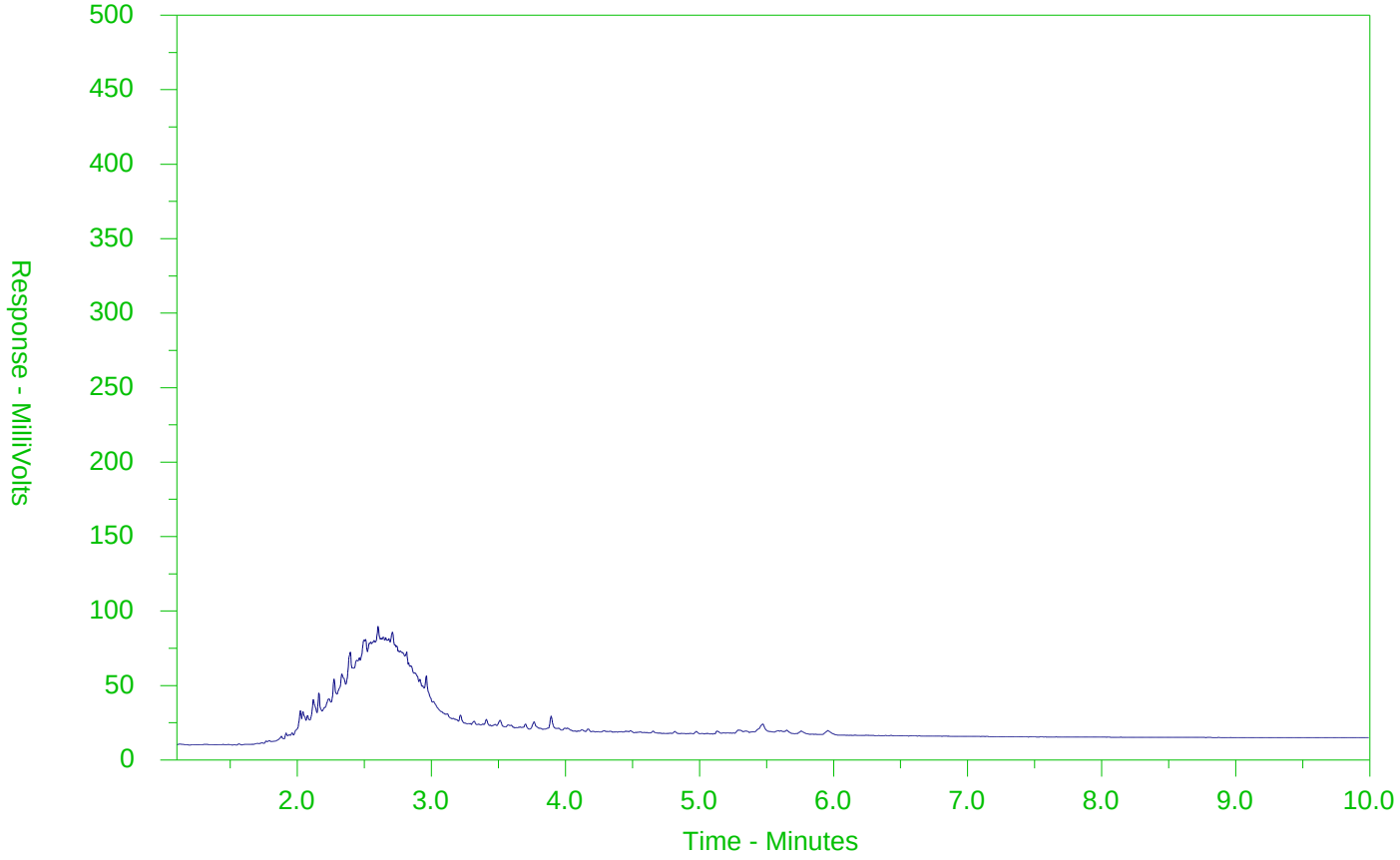
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1790434-5
Client Sample ID: C523-06-22-DUP 1



← 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.

ALS Environmental

Chain of Custody / Analytical Request Form
Canada Toll Free : 1 800 668 9878
www.alsglobal.com

COC #: OL-2101

Report To

Company: COMCO CANADA LTD.
Contact: GORD THOMPSON
Address: 100 WELHAM ROAD
BARRIE, ON
CANADA, L4N 8Y4
Phone: 705-728-0905 Fax: 705-728-1438

Invoice To ☑Email ☐Mail
Company: COMCO CANADA LTD.
Contact: ACCOUNTS PAYABLE
Address: 100 WELHAM ROAD
BARRIE, ON
CANADA, L4N 8Y4
Email: sherrymarshall@comcocanada.com
Phone: 705-728-0905

Reporting

Distribution: ☐Fax ☐Mail ☑Email
☐Ciriteria on Report (select from Guidelines below)
Report Type: ☑Excel ☐Digital
Report Format: CLASSDETAILQCPLUS_ALS
Report Email(s): labanalysisresults@comcocanada.com

EDD Format:
EDD Email(s):

Project Info

Job #: C523
PO/AFE: CP2122
LSD:
Quote #: Q45608

Service Requested

◉ Regular (Standard Turnaround Times - Business Days) - R
○ Priority (3 Days) - surcharge will apply - P
○ Priority (2 Days) - surcharge will apply - P2
○ Emergency (1-2 day) – surcharge will apply - E
○ Same Day or Weekend Emergency - surcharge will apply - E2
○ Specify date required - X

Lab Work Order # (lab use only): L1790434 al June 28C

ALS Contact: Austin Paterson Sampler: BRYCE PAGE

Analysis Requests

Sample #	Sample Identification (This will appear on the report)	Coordinates Longitude	Coordinates Latitude	Date	Time	Sample Type	Number of Containers	% Moisture	BTEX, F1-F4-O.Reg 153/04 (July 2011)
								Please indicate below Filtered, Preserved or both(F, P, F/P)	
1	C523-06-22-BH4-6-12"			Jun-22-2016	12:00 PM	SOIL	3	R	R
2	C523-06-22-BH7-0-8"			Jun-22-2016	01:00 PM	SOIL	3x	R	R
3	C523-06-22-BH9-0-8"			Jun-22-2016	01:00 PM	SOIL	3x	R	R
4	C523-06-22-BH11-4.5'			Jun-22-2016	01:00 PM	SOIL	3x	R	R
5	C523-06-22-DUP1			Jun-22-2016	01:00 PM	SOIL	3x	R	R

L1790434-COFC

Special Instructi

be answered for water samples (check Yes or No)

igulated DW system? ☐Yes ☐No
If yes, please use an authorized drinking water COC
Is the water sampled intended to be potable for human consumption? ☐Yes ☐No

Guidelines

SAMPLE CONDITION (lab use only)
☐Frozen ☐Cold ☐Ambient ☐Cooling Initiated

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:
Bryce Page	June 27/16	10:00am

SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:	Temperature:
DH	28/06/16	18:20	8.6°C

SHIPMENT VERIFICATION (lab use only)

Verified by:	Date:	Time:	Observations:
			☐Yes If Yes add SIF

COMCO CANADA LTD.
ATTN: GORD THOMPSON
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Date Received: 20-JUL-16
Report Date: 25-JUL-16 08:39 (MT)
Version: FINAL

Client Phone: 705-728-0905

Certificate of Analysis

Lab Work Order #: L1800912
Project P.O. #: CP2146
Job Reference: C523
C of C Numbers:
Legal Site Desc:

Danielle Walker
Account Manager

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1800912-1 C523-06-22-BH1-4-6"							
Sampled By: BRYCE PAGE on 20-JUL-16 @ 12:00							
Matrix: SOIL							
Physical Tests							
% Moisture	5.37		0.10	%	20-JUL-16	21-JUL-16	R3508137
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	21-JUL-16	22-JUL-16	R3509472
Ethylbenzene	<0.018		0.018	ug/g	21-JUL-16	22-JUL-16	R3509472
Toluene	<0.080		0.080	ug/g	21-JUL-16	22-JUL-16	R3509472
o-Xylene	<0.020		0.020	ug/g	21-JUL-16	22-JUL-16	R3509472
m+p-Xylenes	<0.030		0.030	ug/g	21-JUL-16	22-JUL-16	R3509472
Xylenes (Total)	<0.050		0.050	ug/g		22-JUL-16	
Surrogate: 4-Bromofluorobenzene	118.0		70-130	%	21-JUL-16	22-JUL-16	R3509472
Surrogate: 1,4-Difluorobenzene	121.4		70-130	%	21-JUL-16	22-JUL-16	R3509472
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	21-JUL-16	22-JUL-16	R3509472
F1-BTEX	<5.0		5.0	ug/g		23-JUL-16	
F2 (C10-C16)	25		10	ug/g	20-JUL-16	22-JUL-16	R3510057
F3 (C16-C34)	129		50	ug/g	20-JUL-16	22-JUL-16	R3510057
F4 (C34-C50)	51		50	ug/g	20-JUL-16	22-JUL-16	R3510057
Total Hydrocarbons (C6-C50)	204		72	ug/g		23-JUL-16	
Chrom. to baseline at nC50	YES				20-JUL-16	22-JUL-16	R3510057
Surrogate: 2-Bromobenzotrifluoride	98.8		60-140	%	20-JUL-16	22-JUL-16	R3510057
Surrogate: 3,4-Dichlorotoluene	93.0		60-140	%	21-JUL-16	22-JUL-16	R3509472
L1800912-2 C523-06-22-BH2-4-6"							
Sampled By: BRYCE PAGE on 20-JUL-16 @ 12:00							
Matrix: SOIL							
Physical Tests							
% Moisture	4.45		0.10	%	20-JUL-16	21-JUL-16	R3508137
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	21-JUL-16	22-JUL-16	R3509472
Ethylbenzene	<0.018		0.018	ug/g	21-JUL-16	22-JUL-16	R3509472
Toluene	<0.080		0.080	ug/g	21-JUL-16	22-JUL-16	R3509472
o-Xylene	<0.020		0.020	ug/g	21-JUL-16	22-JUL-16	R3509472
m+p-Xylenes	<0.030		0.030	ug/g	21-JUL-16	22-JUL-16	R3509472
Xylenes (Total)	<0.050		0.050	ug/g		22-JUL-16	
Surrogate: 4-Bromofluorobenzene	121.6		70-130	%	21-JUL-16	22-JUL-16	R3509472
Surrogate: 1,4-Difluorobenzene	119.6		70-130	%	21-JUL-16	22-JUL-16	R3509472
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	21-JUL-16	22-JUL-16	R3509472
F1-BTEX	<5.0		5.0	ug/g		23-JUL-16	
F2 (C10-C16)	39		10	ug/g	20-JUL-16	22-JUL-16	R3510057
F3 (C16-C34)	249		50	ug/g	20-JUL-16	22-JUL-16	R3510057
F4 (C34-C50)	99		50	ug/g	20-JUL-16	22-JUL-16	R3510057
Total Hydrocarbons (C6-C50)	387		72	ug/g		23-JUL-16	
Chrom. to baseline at nC50	YES				20-JUL-16	22-JUL-16	R3510057

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1800912-2 C523-06-22-BH2-4-6"							
Sampled By: BRYCE PAGE on 20-JUL-16 @ 12:00							
Matrix: SOIL							
Hydrocarbons							
Surrogate: 2-Bromobenzotrifluoride	100.5		60-140	%	20-JUL-16	22-JUL-16	R3510057
Surrogate: 3,4-Dichlorotoluene	93.0		60-140	%	21-JUL-16	22-JUL-16	R3509472
L1800912-3 C523-06-22-BH5-0-8"							
Sampled By: BRYCE PAGE on 20-JUL-16 @ 12:00							
Matrix: SOIL							
Physical Tests							
% Moisture	3.38		0.10	%	20-JUL-16	21-JUL-16	R3508137
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	21-JUL-16	22-JUL-16	R3509472
Ethylbenzene	<0.018		0.018	ug/g	21-JUL-16	22-JUL-16	R3509472
Toluene	<0.080		0.080	ug/g	21-JUL-16	22-JUL-16	R3509472
o-Xylene	<0.020		0.020	ug/g	21-JUL-16	22-JUL-16	R3509472
m+p-Xylenes	<0.030		0.030	ug/g	21-JUL-16	22-JUL-16	R3509472
Xylenes (Total)	<0.050		0.050	ug/g		22-JUL-16	
Surrogate: 4-Bromofluorobenzene	115.7		70-130	%	21-JUL-16	22-JUL-16	R3509472
Surrogate: 1,4-Difluorobenzene	118.2		70-130	%	21-JUL-16	22-JUL-16	R3509472
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	21-JUL-16	22-JUL-16	R3509472
F1-BTEX	<5.0		5.0	ug/g		23-JUL-16	
F2 (C10-C16)	131		10	ug/g	20-JUL-16	22-JUL-16	R3510057
F3 (C16-C34)	408		50	ug/g	20-JUL-16	22-JUL-16	R3510057
F4 (C34-C50)	<50		50	ug/g	20-JUL-16	22-JUL-16	R3510057
Total Hydrocarbons (C6-C50)	539		72	ug/g		23-JUL-16	
Chrom. to baseline at nC50	YES				20-JUL-16	22-JUL-16	R3510057
Surrogate: 2-Bromobenzotrifluoride	101.0		60-140	%	20-JUL-16	22-JUL-16	R3510057
Surrogate: 3,4-Dichlorotoluene	91.9		60-140	%	21-JUL-16	22-JUL-16	R3509472
L1800912-4 C523-06-22-BH8-0-8"							
Sampled By: BRYCE PAGE on 20-JUL-16 @ 12:00							
Matrix: SOIL							
Physical Tests							
% Moisture	6.76		0.10	%	20-JUL-16	21-JUL-16	R3508137
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	21-JUL-16	22-JUL-16	R3509472
Ethylbenzene	<0.018		0.018	ug/g	21-JUL-16	22-JUL-16	R3509472
Toluene	<0.080		0.080	ug/g	21-JUL-16	22-JUL-16	R3509472
o-Xylene	<0.020		0.020	ug/g	21-JUL-16	22-JUL-16	R3509472
m+p-Xylenes	<0.030		0.030	ug/g	21-JUL-16	22-JUL-16	R3509472
Xylenes (Total)	<0.050		0.050	ug/g		22-JUL-16	
Surrogate: 4-Bromofluorobenzene	114.6		70-130	%	21-JUL-16	22-JUL-16	R3509472
Surrogate: 1,4-Difluorobenzene	115.3		70-130	%	21-JUL-16	22-JUL-16	R3509472
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	21-JUL-16	22-JUL-16	R3509472
F1-BTEX	<5.0		5.0	ug/g		23-JUL-16	

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1800912-4 C523-06-22-BH8-0-8"							
Sampled By: BRYCE PAGE on 20-JUL-16 @ 12:00							
Matrix: SOIL							
Hydrocarbons							
F2 (C10-C16)	87		10	ug/g	20-JUL-16	22-JUL-16	R3510057
F3 (C16-C34)	548		50	ug/g	20-JUL-16	22-JUL-16	R3510057
F4 (C34-C50)	<50		50	ug/g	20-JUL-16	22-JUL-16	R3510057
F4G-SG (GHH-Silica)	<250		250	ug/g	21-JUL-16	23-JUL-16	R3510237
Total Hydrocarbons (C6-C50)	635		72	ug/g		23-JUL-16	
Chrom. to baseline at nC50	YES				20-JUL-16	22-JUL-16	R3510057
Surrogate: 2-Bromobenzotrifluoride	100.2		60-140	%	20-JUL-16	22-JUL-16	R3510057
Surrogate: 3,4-Dichlorotoluene	85.2		60-140	%	21-JUL-16	22-JUL-16	R3509472
L1800912-5 C523-06-22-DUP 1							
Sampled By: BRYCE PAGE on 20-JUL-16 @ 12:00							
Matrix: SOIL							
Physical Tests							
% Moisture	3.28		0.10	%	20-JUL-16	21-JUL-16	R3508137
Volatile Organic Compounds							
Benzene	<0.0068		0.0068	ug/g	21-JUL-16	22-JUL-16	R3509472
Ethylbenzene	<0.018		0.018	ug/g	21-JUL-16	22-JUL-16	R3509472
Toluene	<0.080		0.080	ug/g	21-JUL-16	22-JUL-16	R3509472
o-Xylene	<0.020		0.020	ug/g	21-JUL-16	22-JUL-16	R3509472
m+p-Xylenes	<0.030		0.030	ug/g	21-JUL-16	22-JUL-16	R3509472
Xylenes (Total)	<0.050		0.050	ug/g		22-JUL-16	
Surrogate: 4-Bromofluorobenzene	105.7		70-130	%	21-JUL-16	22-JUL-16	R3509472
Surrogate: 1,4-Difluorobenzene	106.5		70-130	%	21-JUL-16	22-JUL-16	R3509472
Hydrocarbons							
F1 (C6-C10)	<5.0		5.0	ug/g	21-JUL-16	22-JUL-16	R3509472
F1-BTEX	<5.0		5.0	ug/g		23-JUL-16	
F2 (C10-C16)	131		10	ug/g	20-JUL-16	22-JUL-16	R3510057
F3 (C16-C34)	398		50	ug/g	20-JUL-16	22-JUL-16	R3510057
F4 (C34-C50)	<50		50	ug/g	20-JUL-16	22-JUL-16	R3510057
Total Hydrocarbons (C6-C50)	529		72	ug/g		23-JUL-16	
Chrom. to baseline at nC50	YES				20-JUL-16	22-JUL-16	R3510057
Surrogate: 2-Bromobenzotrifluoride	98.4		60-140	%	20-JUL-16	22-JUL-16	R3510057
Surrogate: 3,4-Dichlorotoluene	84.4		60-140	%	21-JUL-16	22-JUL-16	R3509472

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
BTX-511-HS-WT	Soil	BTEX-O.Reg 153/04 (July 2011)	SW846 8260

BTX is determined by extracting a soil or sediment sample as received with methanol, then analyzing 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).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC, Pub #1310, Dec 2001-S

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

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), 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)	MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by 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), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F4G-ADD-511-WT	Soil	F4G SG-O.Reg 153/04 (July 2011)	MOE DECPH-E3398/CCME TIER 1

F4G, gravimetric analysis, is determined if the chromatogram does not return to baseline at or before C50. A soil sample is extracted with a solvent mix, the solvent is evaporated and the weight of the residue is determined.

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).

MOISTURE-WT	Soil	% Moisture	Gravimetric: Oven Dried
XYLENES-SUM-CALC-WT	Soil	Sum of Xylene Isomer Concentrations	CALCULATION

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.

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

Chain of Custody Numbers:

Reference Information

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 weight of sample
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.

Quality Control Report

Workorder: L1800912 Report Date: 25-JUL-16

Client: COMCO CANADA LTD.
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Contact: GORD THOMPSON

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX-511-HS-WT	**Soil**							
Batch	**R3509472**							
WG2352015-2	**LCS**							
Benzene			101.9		%		70-130	22-JUL-16
Ethylbenzene			101.2		%		70-130	22-JUL-16
m+p-Xylenes			97.9		%		70-130	22-JUL-16
o-Xylene			104.9		%		70-130	22-JUL-16
Toluene			101.3		%		70-130	22-JUL-16
WG2352015-1	**MB**							
Benzene			<0.0068		ug/g		0.0068	22-JUL-16
Ethylbenzene			<0.018		ug/g		0.018	22-JUL-16
m+p-Xylenes			<0.030		ug/g		0.03	22-JUL-16
o-Xylene			<0.020		ug/g		0.02	22-JUL-16
Toluene			<0.080		ug/g		0.08	22-JUL-16
Surrogate: 1,4-Difluorobenzene			126.4		%		70-130	22-JUL-16
Surrogate: 4-Bromofluorobenzene			123.0		%		70-130	22-JUL-16
F1-HS-511-WT	**Soil**							
Batch	**R3509472**							
WG2352015-2	**LCS**							
F1 (C6-C10)			95.2		%		80-120	22-JUL-16
WG2352015-1	**MB**							
F1 (C6-C10)			<5.0		ug/g		5	22-JUL-16
Surrogate: 3,4-Dichlorotoluene			106.9		%		60-140	22-JUL-16
WG2352015-7	**MS**	**WG2352015-6**						
F1 (C6-C10)			89.9		%		60-140	22-JUL-16
F2-F4-511-WT	**Soil**							
Batch	**R3510057**							
WG2351529-3	**CRM**	**ALS PHC2 IRM**						
F2 (C10-C16)			103.8		%		70-130	22-JUL-16
F3 (C16-C34)			111.4		%		70-130	22-JUL-16
F4 (C34-C50)			113.1		%		70-130	22-JUL-16
WG2351529-5	**DUP**	**WG2351529-4**						
F2 (C10-C16)		131	140		ug/g	7.0	40	22-JUL-16
F3 (C16-C34)		398	440		ug/g	9.9	40	22-JUL-16
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	22-JUL-16
WG2351529-2	**LCS**							
F2 (C10-C16)			119.1		%		80-120	22-JUL-16
F3 (C16-C34)			118.5		%		80-120	22-JUL-16

Quality Control Report

Workorder: L1800912 Report Date: 25-JUL-16

Client: COMCO CANADA LTD.
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Contact: GORD THOMPSON

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F2-F4-511-WT	**Soil**							
Batch R3510057								
WG2351529-2 LCS								
F4 (C34-C50)			115.3		%		80-120	22-JUL-16
WG2351529-1 MB								
F2 (C10-C16)			<10		ug/g		10	22-JUL-16
F3 (C16-C34)			<50		ug/g		50	22-JUL-16
F4 (C34-C50)			<50		ug/g		50	22-JUL-16
Surrogate: 2-Bromobenzotrifluoride			97.3		%		60-140	22-JUL-16
F4G-ADD-511-WT	**Soil**							
Batch R3510237								
WG2353603-2 LCS								
F4G-SG (GHH-Silica)			77.0		%		60-140	23-JUL-16
WG2353603-1 MB								
F4G-SG (GHH-Silica)			<250		ug/g		250	23-JUL-16
MOISTURE-WT	**Soil**							
Batch R3508137								
WG2351590-3 DUP		**L1800726-4**						
% Moisture		20.7	20.8		%	0.6	20	21-JUL-16
WG2351590-2 LCS								
% Moisture			100.1		%		90-110	21-JUL-16
WG2351590-1 MB								
% Moisture			<0.10		%		0.1	21-JUL-16

Quality Control Report

Workorder: L1800912 Report Date: 25-JUL-16

Client: COMCO CANADA LTD.
100 WELHAM ROAD
BARRIE ON L4N 8Y4

Contact: GORD THOMPSON

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
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.

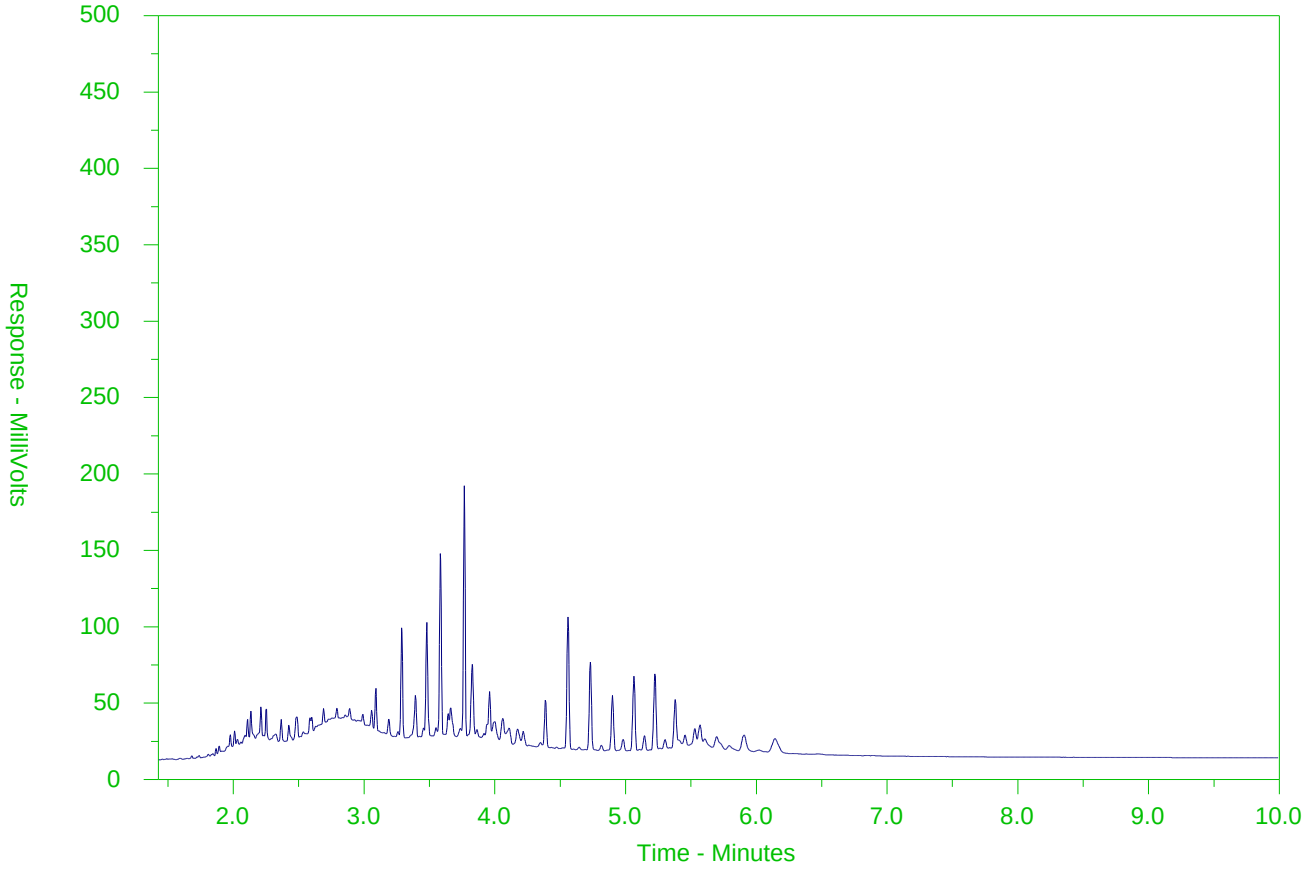
ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where 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: L1800912-1
Client Sample ID: C523-06-22-BH1-4-6"



← 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.

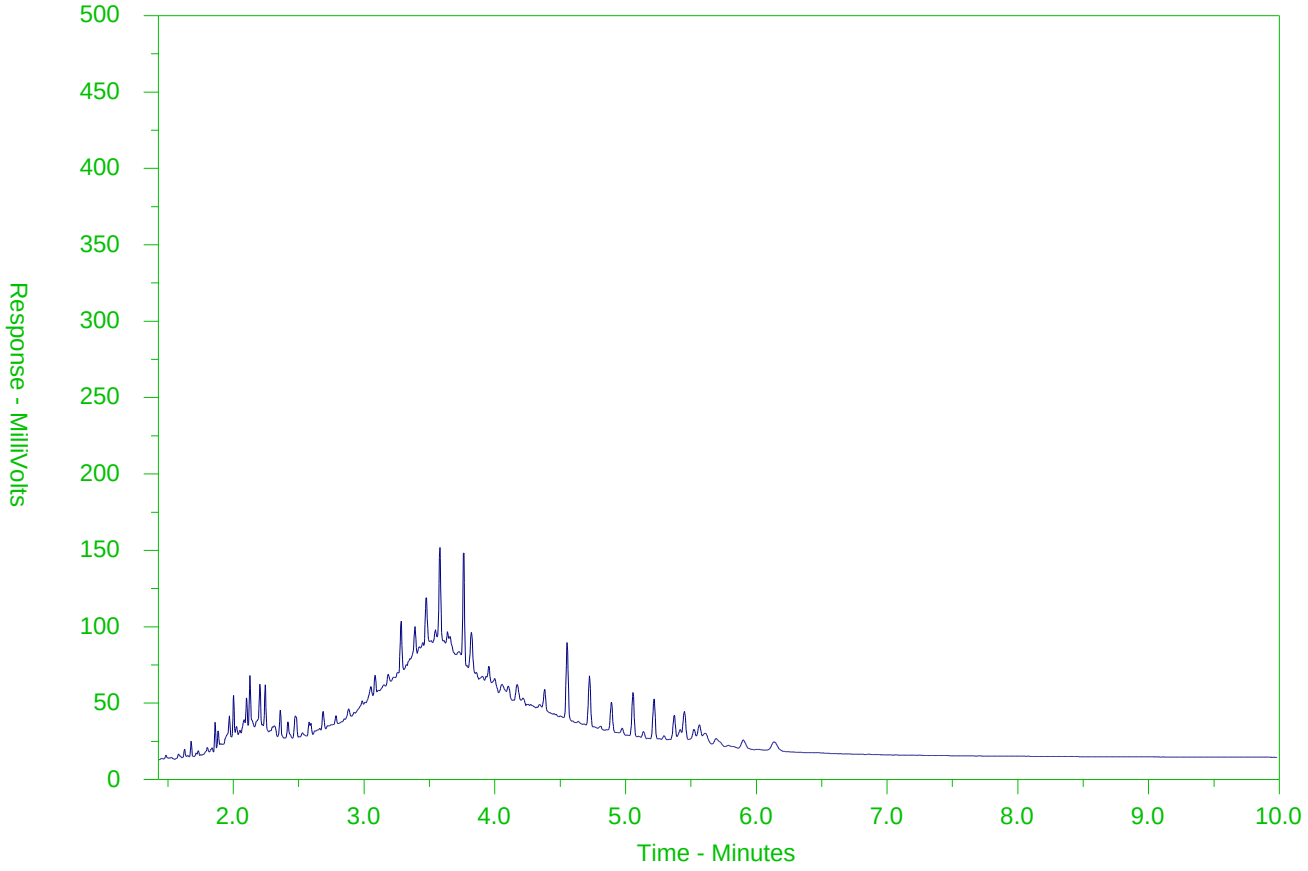
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1800912-2
Client Sample ID: C523-06-22-BH2-4-6"



← 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.

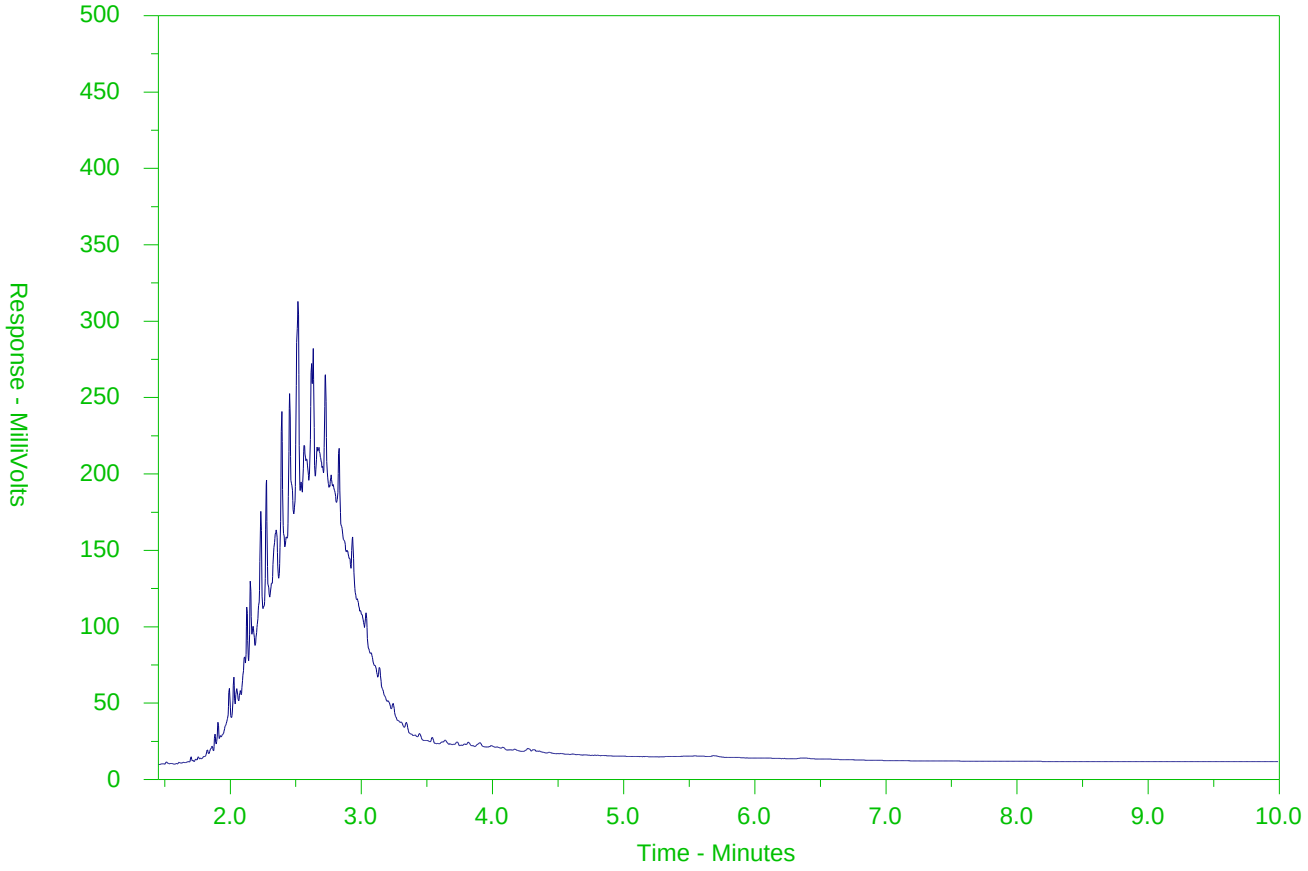
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1800912-3
Client Sample ID: C523-06-22-BH5-0-8"



← 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.

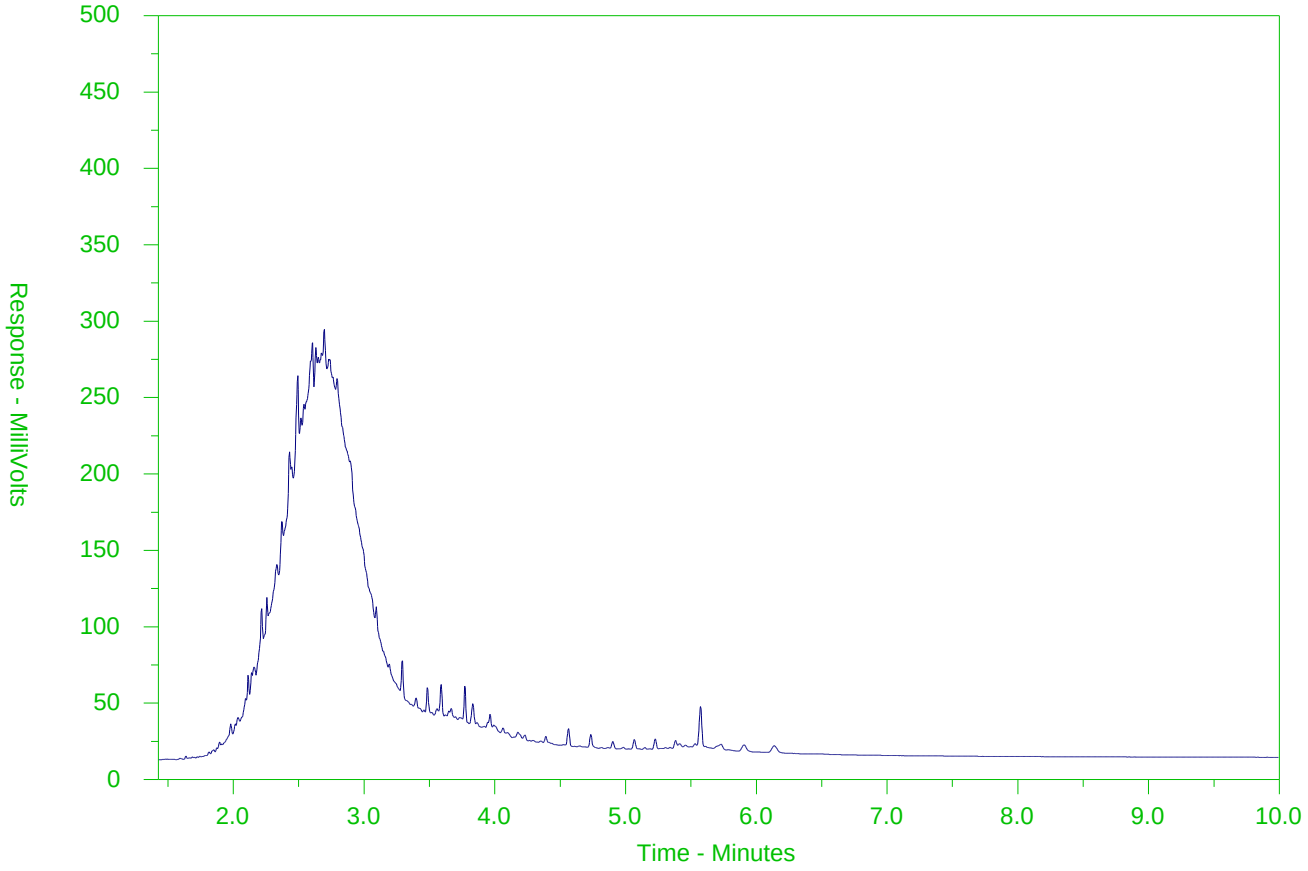
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1800912-4
Client Sample ID: C523-06-22-BH8-0-8"



← 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.

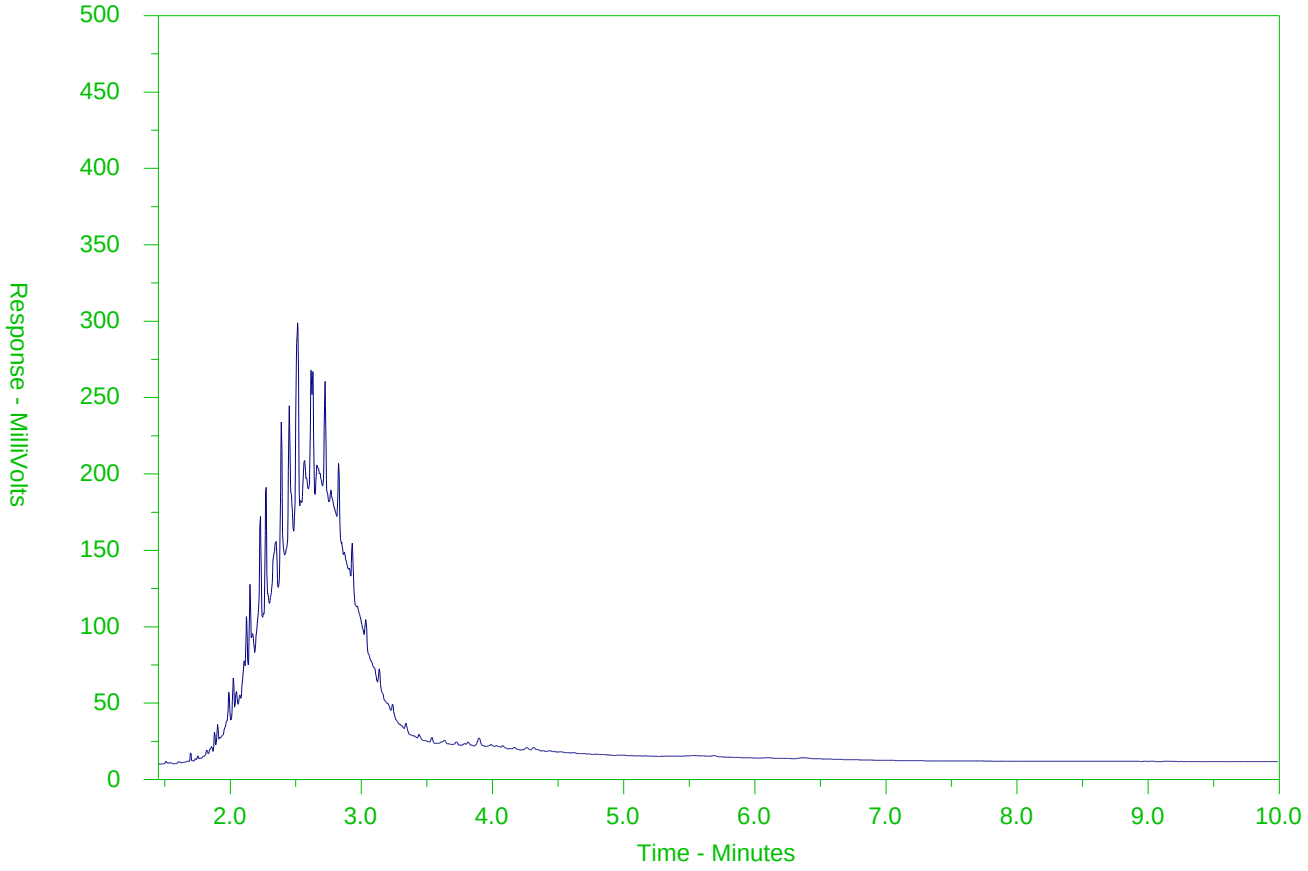
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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: L1800912-5
Client Sample ID: C523-06-22-DUP 1



← 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.

ALS Environmental

Chain of Custody / Analytical Request Form
Canada Toll Free : 1 800 668 9878
www.alsglobal.com

COC #: OL-2123

Report To

Company: COMCO CANADA LTD.
Contact: GORD THOMPSON
Address: 100 WELHAM ROAD
BARRIE, ON
CANADA, L4N 8Y4
Phone: 705-728-0905 Fax: 705-728-1438

Reporting

Distribution: ☐Fax ☐Mail ☑Email
☐Ciriteria on Report (select from Guidelines below)
Report Type: ☑Excel ☐Digital
Report Format: CLASSDETAILQCPLUS_ALS
Report Email(s): labanalysisresults@comcocanada.com

Service Requested

O Regular (Standard Turnaround Times - Business Days) - R
⊙ Priority (3 Days) - surcharge will apply - P
O Priority (2 Days) - surcharge will apply - P2
O Emergency (1-2 day) – surcharge will apply - E
O Same Day or Weekend Emergency - surcharge will apply - E2
O Specify date required - X

Invoice To ☑Email ☐Mail
Company: COMCO CANADA LTD.
Contact: ACCOUNTS PAYABLE
Address: 100 WELHAM ROAD
BARRIE, ON
CANADA, L4N 8Y4
Email: sherrymarshall@comcocanada.com
Phone: 705-728-0905

EDD Format:
EDD Email(s):

Project Info
Job #: C523
PO/AFE: CP2146
LSD:
Quote #: Q45608

Lab Work Order # (lab use only) L1860912
ALS Contact: Nancy Smith Sampler: BRYCE PAGE

Analysis Requests

Please indicate below Filtered, Preserved or both(F, P, F/P)

Sample #	Sample Identification (This will appear on the report)	Coordinates Longitude	Coordinates Latitude	Date	Time	Sample Type	Number of Containers	% Moisture	BTEX, F1-F4-O.Reg 153/04 (July 2011)	F4G SG-O.Reg 153/04 (July 2011)
-1	C523-06-22-BH1-4-6"			Jul-20-2016	12:00 PM	SOIL	3	P	P	
-2	C523-06-22-BH2-4-6"			Jul-20-2016	12:00 PM	SOIL	3	P	P	
-3	C523-06-22-BH5-0-8"			Jul-20-2016	12:00 PM	SOIL	3	P	P	
-4	C523-06-22-BH8-0-8"			Jul-20-2016	12:00 PM	SOIL	3	P	P	P
-5	C523-06-22-DUP 1			Jul-20-2016	12:00 PM	SOIL	3	P	P	

Special Instructions/Comments

need samples no later than Monday July 25, 2016

The questions below must be answered for water samples (check Yes or No)

Are any sample taken from a regulated DW system? ☐Yes ☐No
If yes, please use an authorized drinking water COC
Is the water sampled intended to be potable for human consumption? ☐Yes ☐No

Guidelines

SAMPLE CONDITION (lab use only)
☐Frozen ☐Cold ☐Ambient ☐Cooling Initiated

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:
[signature]	Jul 20/16	12:45pm

SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:	Temperature:
Sara A.	20Jul/16	12:45	7.1 °C

SHIPMENT VERIFICATION (lab use only)

Verified by:	Date:	Time:	Observations:
			☐Yes If Yes add SIF