CAPITAL REGIONAL DISTRICT
ATTN: Korene Torney
625 Fisgard Street
VICTORIA BC V8W 1R7

Date Received: 28-JAN-16
Report Date: 04-FEB-16 12:05 (MT)
Version: FINAL

Client Phone: 250-360-3214

Certificate of Analysis

Lab Work Order #: L1728505

Project P.O. #: MILLSTREAM DOMESTIC WELLS
Job Reference:
C of C Numbers:
Legal Site Desc:

Jamie Lo, B.Sc.
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1728505-1	L1728505-2	L1728505-3	L1728505-4	L1728505-5
	Description	Water	Water	Water	Water	Water
	Sampled Date	26-JAN-16	26-JAN-16	26-JAN-16	26-JAN-16	26-JAN-16
	Sampled Time	10:32	10:32	10:39	10:44	11:05
	Client ID	2016-050-610	2016-050-611	2016-050-612	2016-050-613	2016-050-614
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	91.2	92.2	90.4	90.7	89.9
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b&j)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acenaphthene d10 (%)	100.1	94.3	97.5	103.4	89.9
	Surrogate: Chrysene d12 (%)	99.1	96.2	94.5	81.3	91.5
	Surrogate: Phenanthrene d10 (%)	79.9	77.0	78.8	83.7	73.7

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1728505-6 Water 26-JAN-16 11:10 2016-050-615	L1728505-7 Water 26-JAN-16 11:25 2016-050-616	L1728505-8 Water 26-JAN-16 11:42 2016-050-617	L1728505-9 Water 26-JAN-16 11:44 2016-050-618	L1728505-10 Water 26-JAN-16 11:46 2016-050-619
Sample ID / Description / Sampled Date / Sampled Time / Client ID						
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	91.1	90.3	91.6	90.6	90.5
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b&j)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acenaphthene d10 (%)	93.5	93.3	106.5	97.2	96.7
	Surrogate: Chrysene d12 (%)	82.5	93.2	98.5	103.2	107.5
	Surrogate: Phenanthrene d10 (%)	75.6	78.3	84.5	80.8	79.2

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1728505-11 Water 26-JAN-16 11:49 2016-050-620	L1728505-12 Water 26-JAN-16 12:05 2016-050-621	L1728505-13 Water 26-JAN-16 12:08 2016-050-622	L1728505-14 Water 26-JAN-16 12:08 2016-050-623	L1728505-15 Water 26-JAN-16 12:10 2016-050-624
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	85.3	90.1	90.5	92.7	90.7
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b&j)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acenaphthene d10 (%)	94.0	98.8	100.1	108.7	99.5
	Surrogate: Chrysene d12 (%)	93.6	92.4	96.9	101.2	100.0
	Surrogate: Phenanthrene d10 (%)	78.1	80.2	81.7	86.7	82.4

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1728505-16	L1728505-17	L1728505-18		
	Description	Water	Water	Water		
	Sampled Date	26-JAN-16	26-JAN-16	26-JAN-16		
	Sampled Time	12:12	12:14	12:55		
	Client ID	2016-050-625	2016-050-626	2016-050-627		
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25		
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25		
	LEPH (mg/L)	<0.25	<0.25	<0.25		
	HEPH (mg/L)	<0.25	<0.25	<0.25		
	Surrogate: 2-Bromobenzotrifluoride (%)	92.4	94.0	93.2		
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050		
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050		
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010		
	Benzo(b&j)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050		
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050		
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050		
	2-Methylnaphthalene (mg/L)	<0.000050	<0.000050	<0.000050		
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050		
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050		
	Surrogate: Acenaphthene d10 (%)	83.4	108.6	105.7		
	Surrogate: Chrysene d12 (%)	79.8	109.5	105.0		
	Surrogate: Phenanthrene d10 (%)	69.1	90.3	85.1		

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
LEPH/HEPH-CALC-CL	Water	LEPHs and HEPHs	BC MELP; CSR-Analytical Method 3
LEPH/HEPH-CL	Water	LEPHs and HEPHs	BC MELP; CSR-Analytical Method 3
PAH-BCCSR-CL	Water	PAHs - BC CSR Regs	EPA 3510/8270-GC/MS
TEH-BC-CL	Water	EPH (C10-C19) & EPH (C19-C32)	BCMOE EPH GCFID

Analysis is in accordance with BC MOE Lab Manual method "Extractable Petroleum Hydrocarbons in Water by GC/FID", v2.1, July 1999. Whole water samples are extracted with DCM prior to gas chromatography with flame ionization detection (GC-FID). EPH results include Polycyclic Aromatic Hydrocarbons (PAH) and are therefore not equivalent to Light and Heavy Extractable Petroleum Hydrocarbons (LEPH/HEPH).

** 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
CL	ALS ENVIRONMENTAL - CALGARY, ALBERTA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
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 of sample.
mg/L - milligrams per litre.
< - Less than.
D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).
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.

L1728505-COFC

ALS Environmental *excellence in analytical testing*

1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FOR**

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

Charge Ground

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
	2016-050-610	2016-01-26	10:32	water	X	X	Drinking Water
	2016-050-611	2016-01-26	10:32	water	X	X	Drinking Water
	2016-050-612	2016-01-26	10:39	water	X	X	Drinking Water
	2016-050-613	2016-01-26	10:44	water	X	X	Drinking Water
	2016-050-614	2016-01-26	11:05	water	X	X	Drinking Water
	2016-050-615	2016-01-26	11:10	water	X	X	Drinking Water
	2016-050-616	2016-01-26	11:25	water	X	X	Drinking Water
	2016-050-617	2016-01-26	11:42	water	X	X	Drinking Water
	2016-050-618	2016-01-26	11:44	water	X	X	Drinking Water
	2016-050-619	2016-01-26	11:46	water	X	X	Drinking Water

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	DATE:	2016-01-26	RECEIVED BY:	DATE:	Jan26
Shelley Alcock	TIME:	12:57	Krista	TIME:	13:00
RELINQUISHED BY	DATE:		RECEIVED BY:	DATE:	28 Jan
	TIME:		Jean	TIME:	8:40

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: 5.4, 7.4 °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	X Icepacks ___Ice ___None

L1728505-COFC

ALS Environmental
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1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286

www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:	MILLSTREAM DOMESTIC WELLS			SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

No Charge

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
	2016-050-620	2016-01-26	11:49	water	X	X	Drinking Water
	2016-050-621	2016-01-26	12:05	water	X	X	Drinking Water
	2016-050-622	2016-01-26	12:08	water	X	X	Drinking Water
	2016-050-623	2016-01-26	12:08	water	X	X	Drinking Water
	2016-050-624	2016-01-26	12:10	water	X	X	Drinking Water
	2016-050-625	2016-01-26	12:12	water	X	X	Drinking Water
	2016-050-626	2016-01-26	12:14	water	X	X	Drinking Water
	2016-050-627	2016-01-26	12:55	water	X	X	Drinking Water

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY: Shelley Alcock	DATE:	2016-01-26	RECEIVED BY: Krista	DATE:	Jan26
	TIME:	12:57		TIME:	13:00
RELINQUISHED BY:	DATE:		RECEIVED BY: Jean	DATE:	28 Jan
	TIME:			TIME:	8:40

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature 5.4 °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No 7.4	X Icepacks ___Ice ___None

CAPITAL REGIONAL DISTRICT
ATTN: Korene Torney
625 Fisgard Street
VICTORIA BC V8W 1R7

Date Received: 30-APR-16
Report Date: 11-MAY-16 10:00 (MT)
Version: FINAL

Client Phone: 250-360-3214

Certificate of Analysis

Lab Work Order #: L1762424

Project P.O. #: NOT SUBMITTED
Job Reference:
C of C Numbers:
Legal Site Desc:

Michael Hornby
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1762424-1	L1762424-2	L1762424-3	L1762424-4	L1762424-5
	Description	water	water	water	water	water
	Sampled Date	29-APR-16	29-APR-16	29-APR-16	29-APR-16	29-APR-16
	Sampled Time	09:50	09:50	09:56	10:03	10:08
	Client ID	2016-050-635	2016-050-636	2016-050-637	2016-050-638	2016-050-639
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	86.8	100.0	95.5	92.0	92.0
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	75.8	95.1	85.7	81.8	71.3
	Surrogate: Chrysene d12 (%)	75.4	87.8	67.9	82.7	75.1
	Surrogate: Naphthalene d8 (%)	86.8	113.2	92.4	92.3	90.1
	Surrogate: Phenanthrene d10 (%)	85.2	101.6	93.2	94.3	87.2

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1762424-6	L1762424-7	L1762424-8	L1762424-9	L1762424-10
	Description	water	water	water	water	water
	Sampled Date	29-APR-16	29-APR-16	29-APR-16	29-APR-16	29-APR-16
	Sampled Time	10:08	10:27	10:32	10:42	10:45
	Client ID	2016-050-640	2016-050-641	2016-050-642	2016-050-643	2016-050-644
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	93.0	99.3	88.9	95.7	98.8
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	64.0	86.5	71.0	86.4	80.9
	Surrogate: Chrysene d12 (%)	81.3	88.6	66.9	90.5	105.0
	Surrogate: Naphthalene d8 (%)	87.5	92.9	80.3	95.3	100.4
	Surrogate: Phenanthrene d10 (%)	69.8	94.1	81.9	96.5	101.2

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1762424-11	L1762424-12	L1762424-13	L1762424-14	L1762424-15
	Description	water	water	water	water	water
	Sampled Date	29-APR-16	29-APR-16	29-APR-16	29-APR-16	29-APR-16
	Sampled Time	10:50	11:09	11:11	11:15	11:15
	Client ID	2016-050-645	2016-050-646	2016-050-647	2016-050-648	2016-050-649
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	95.2	99.3	96.4	99.8	95.3
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	83.0	85.0	84.8	85.9	76.1
	Surrogate: Chrysene d12 (%)	85.1	91.3	84.1	80.2	72.7
	Surrogate: Naphthalene d8 (%)	101.7	97.1	91.8	99.0	84.8
	Surrogate: Phenanthrene d10 (%)	93.0	102.2	91.9	94.1	80.7

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1762424-16	L1762424-17	L1762424-18	L1762424-19	L1762424-20
	Description	water	water	water	water	water
	Sampled Date	29-APR-16	29-APR-16	29-APR-16	29-APR-16	29-APR-16
	Sampled Time	11:18	11:28	11:30	11:33	11:35
	Client ID	2016-050-650	2016-050-651	2016-050-652	2016-050-653	2016-050-654
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	85.0	99.1	101.7	108.3	100.5
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	75.5	91.0	85.1	86.2	80.6
	Surrogate: Chrysene d12 (%)	73.8	90.0	95.3	101.4	100.1
	Surrogate: Naphthalene d8 (%)	89.1	103.8	95.1	99.7	94.3
	Surrogate: Phenanthrene d10 (%)	77.9	105.4	101.8	108.9	99.7

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1762424-21	L1762424-22	L1762424-23		
	Description	water	water	water		
	Sampled Date	29-APR-16	29-APR-16	29-APR-16		
	Sampled Time	11:38	11:40	13:20		
	Client ID	2016-050-655	2016-050-656	2016-050-657		
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25		
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25		
	LEPH (mg/L)	<0.25	<0.25	<0.25		
	HEPH (mg/L)	<0.25	<0.25	<0.25		
	Surrogate: 2-Bromobenzotrifluoride (%)	106.2	98.6	109.8		
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050		
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050		
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(a)pyrene (mg/L)	<0.000010	<0.000010	<0.000010		
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050		
	Dibenz(a,h)anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050		
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050		
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050		
	Surrogate: Acridine d9 (%)	88.8	86.5	88.5		
	Surrogate: Chrysene d12 (%)	106.9	106.6	107.2		
	Surrogate: Naphthalene d8 (%)	96.5	96.7	102.6		
	Surrogate: Phenanthrene d10 (%)	106.5	104.4	109.8		

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual

EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.

LEPH/HEPH-CALC-VA	Water	LEPHs and HEPHs	BC MOE LABORATORY MANUAL (2005)

Light and Heavy Extractable Petroleum Hydrocarbons in water. These results are determined according to the British Columbia Ministry of Environment, Lands, and Parks Analytical Method for Contaminated Sites "Calculation of Light and Heavy Extractable Petroleum Hydrocarbons in Solids or Water". According to this method, LEPH and HEPH are calculated by subtracting selected Polycyclic Aromatic Hydrocarbon results from Extractable Petroleum Hydrocarbon results. To calculate LEPH, the individual results for Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene are subtracted from EPH(C10-19). To calculate HEPH, the individual results for Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene are subtracted from EPH(C19-32). Analysis of Extractable Petroleum Hydrocarbons adheres to all prescribed elements of the BCMELP method "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 20, 1999).

PAH-ME-MS-VA	Water	PAHs in Water	EPA 3511/8270D (mod)

PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.

** 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

Chain of Custody Numbers:

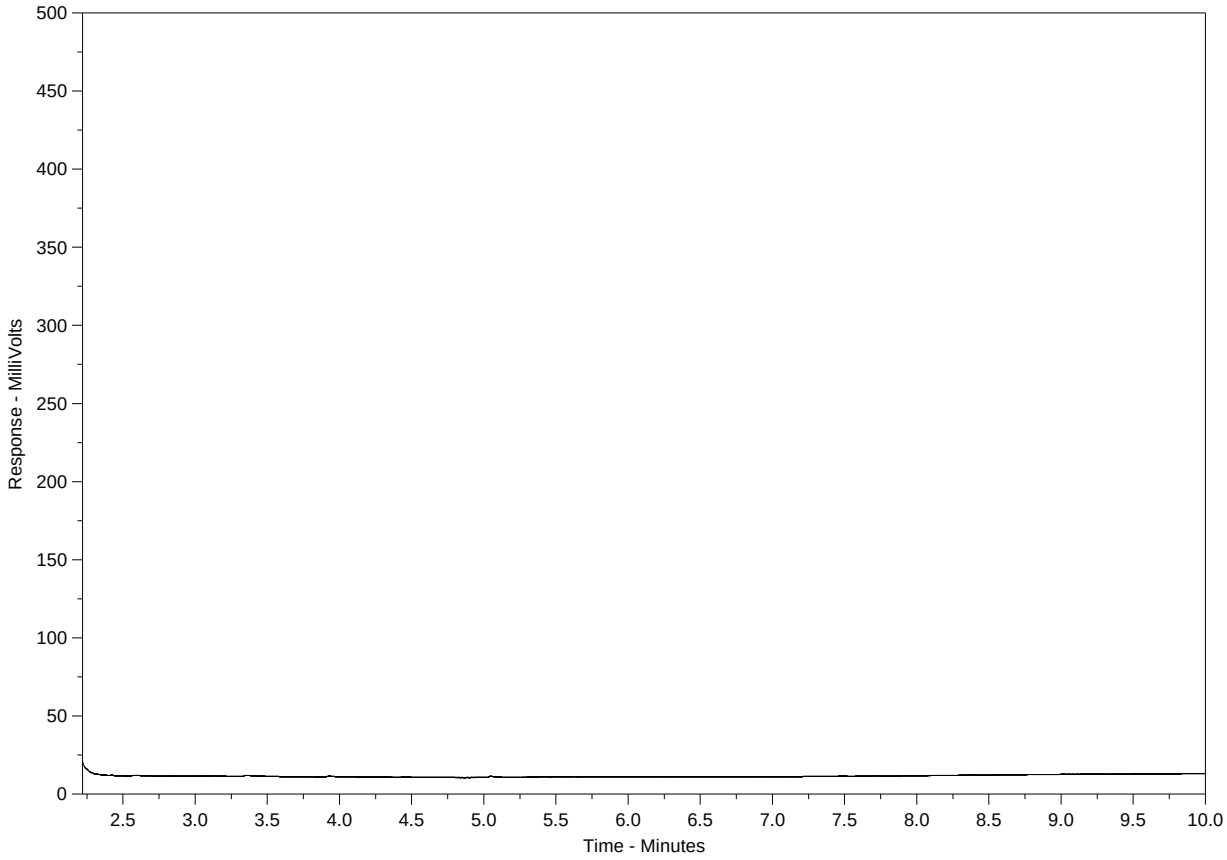
GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
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 of sample.
mg/L - milligrams per litre.
< - Less than.
D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).
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.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-1
Client Sample ID: 2016-050-635



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

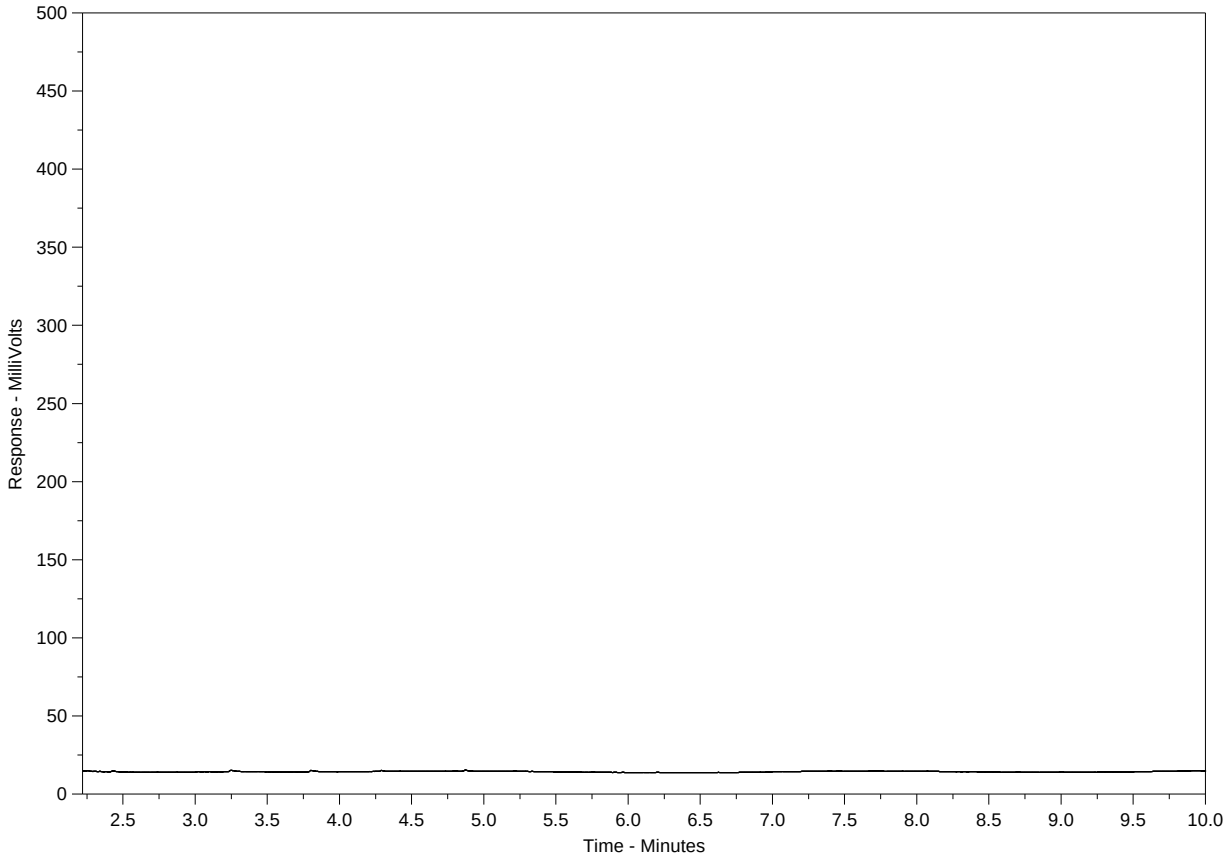
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-2
Client Sample ID: 2016-050-636



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F

Gasoline
Motor Oils / Lube Oils / Grease
Diesel / Jet Fuels

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

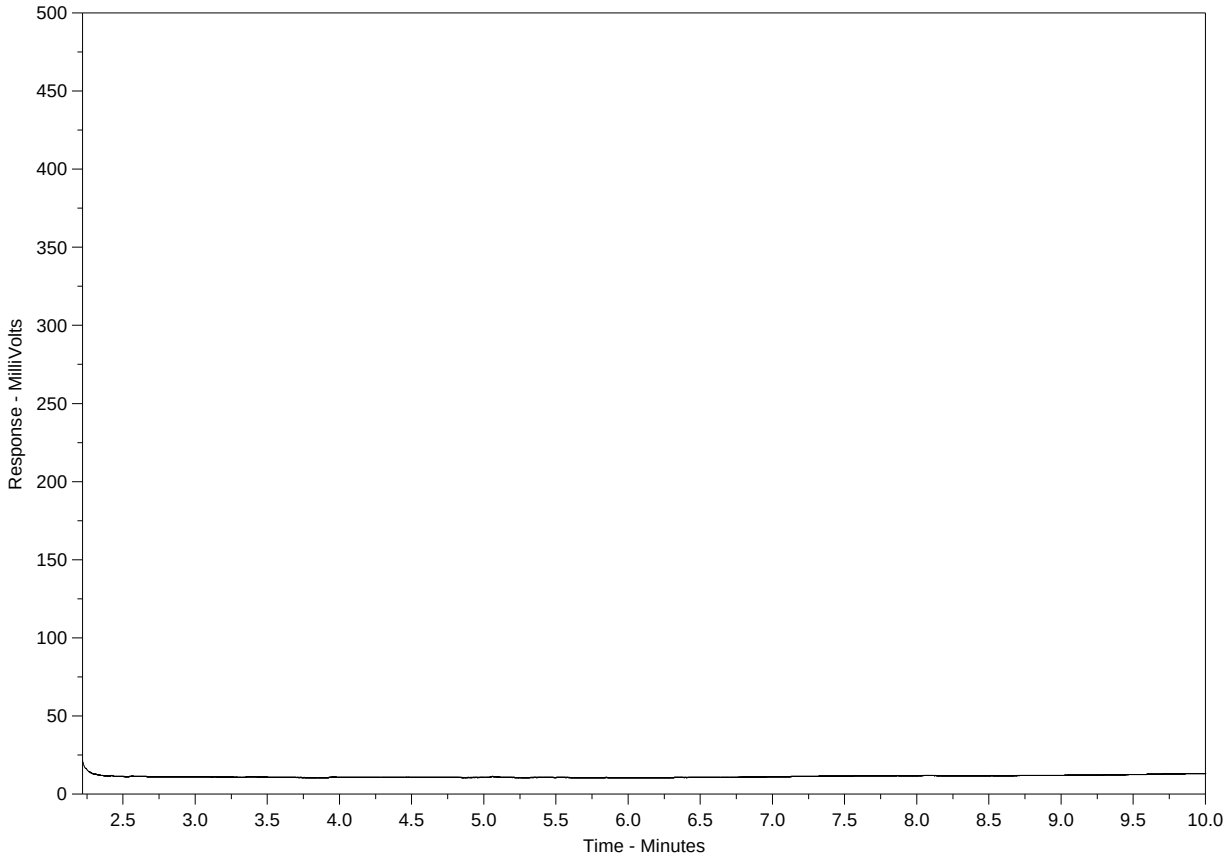
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-3
Client Sample ID: 2016-050-637



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

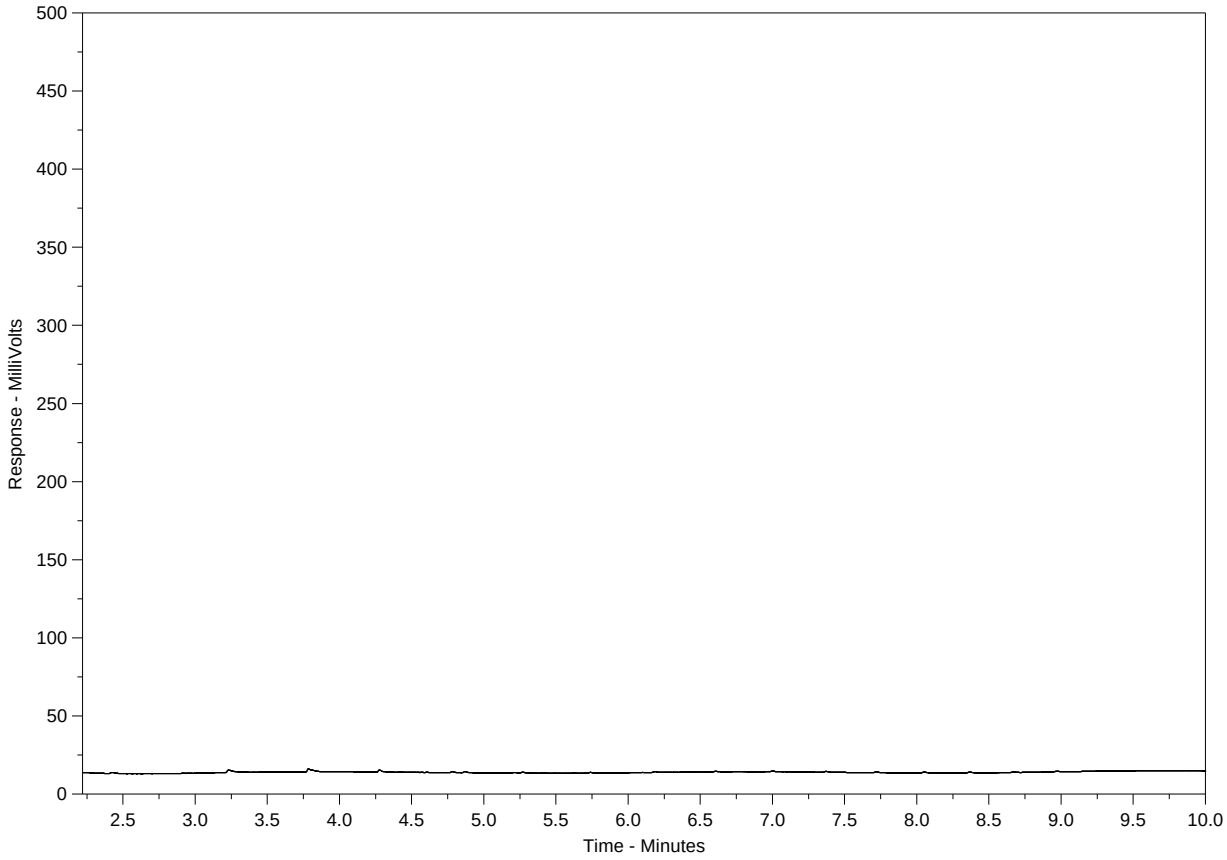
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-4
Client Sample ID: 2016-050-638



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

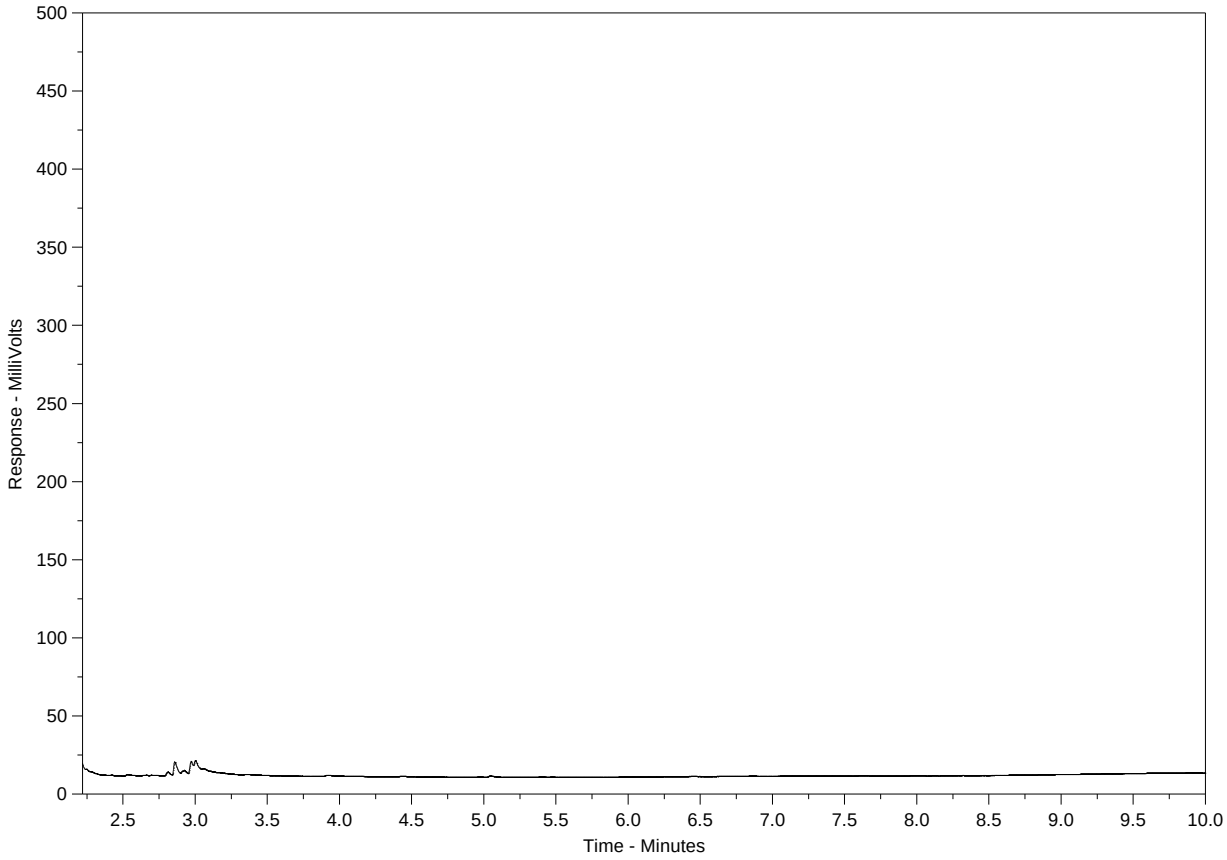
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-5
Client Sample ID: 2016-050-639



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

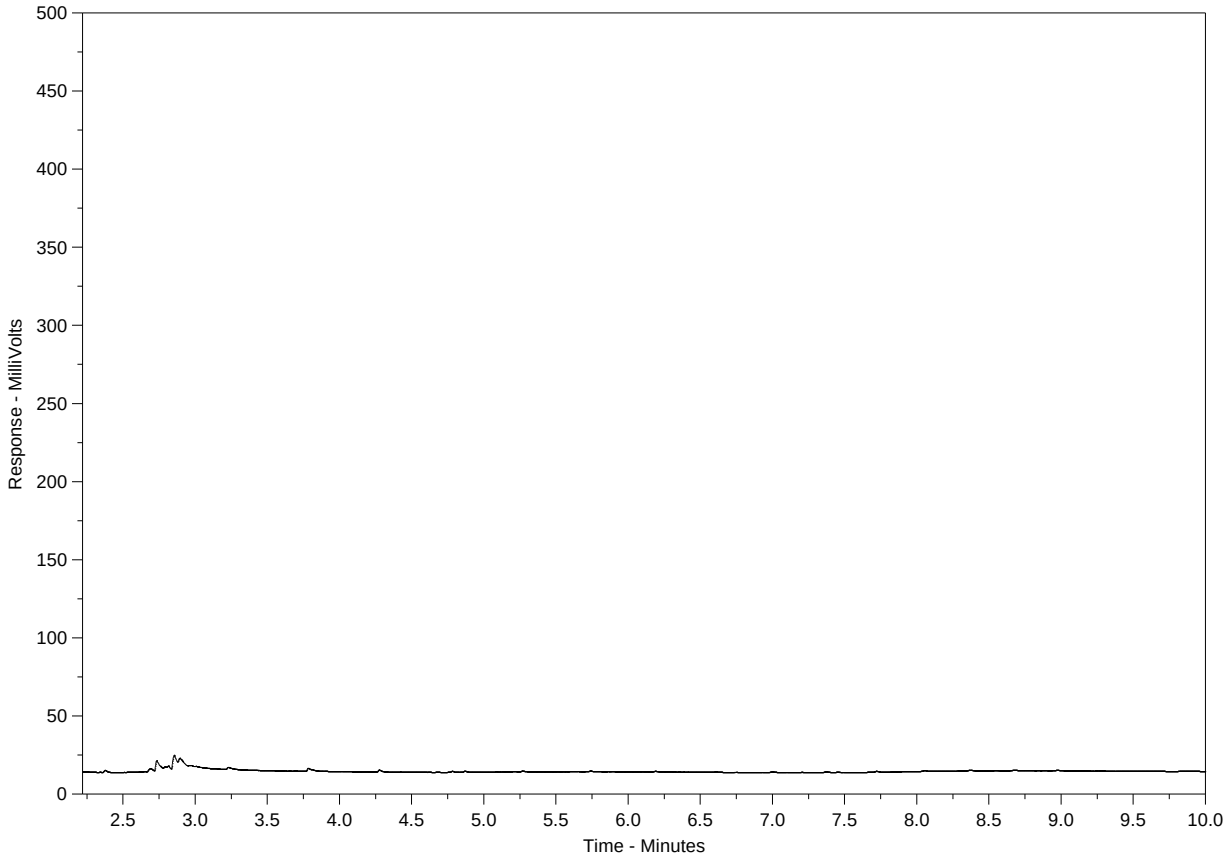
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-6
Client Sample ID: 2016-050-640



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

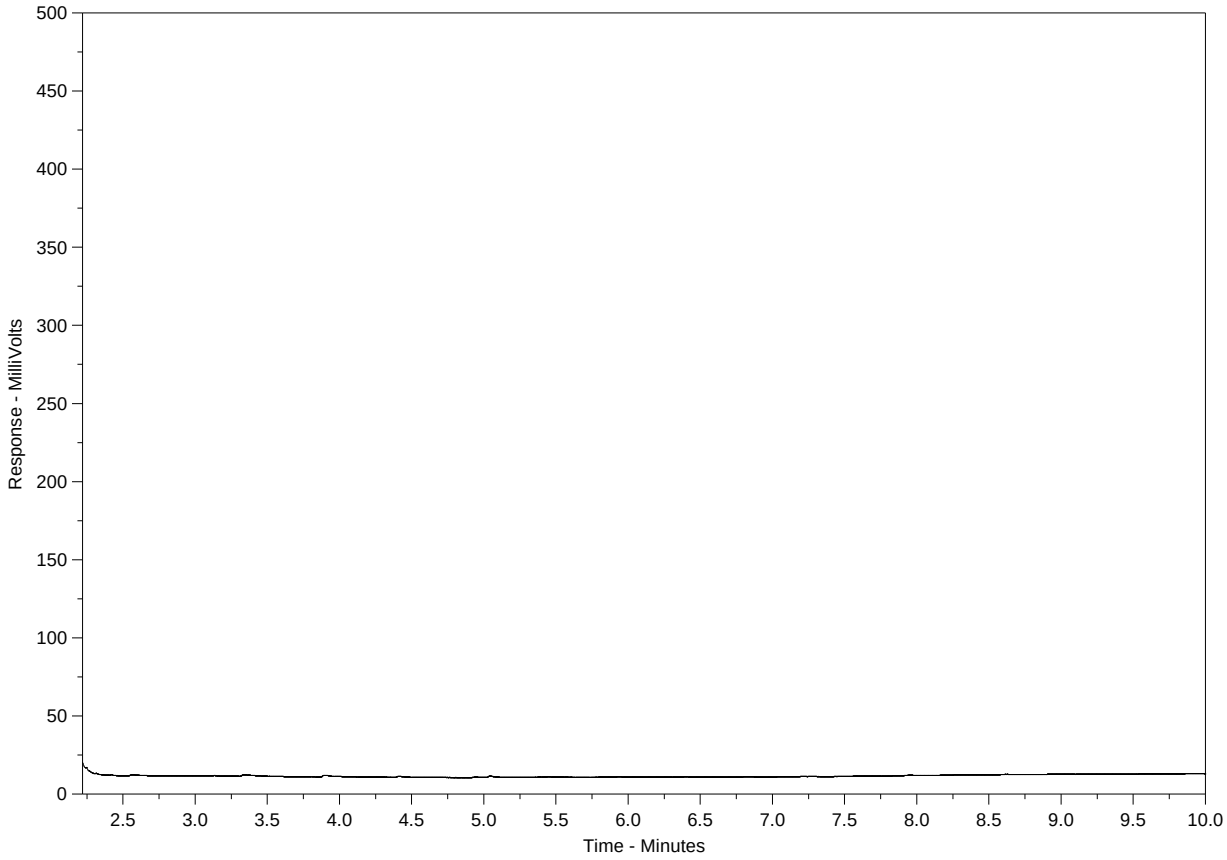
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-7
Client Sample ID: 2016-050-641



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

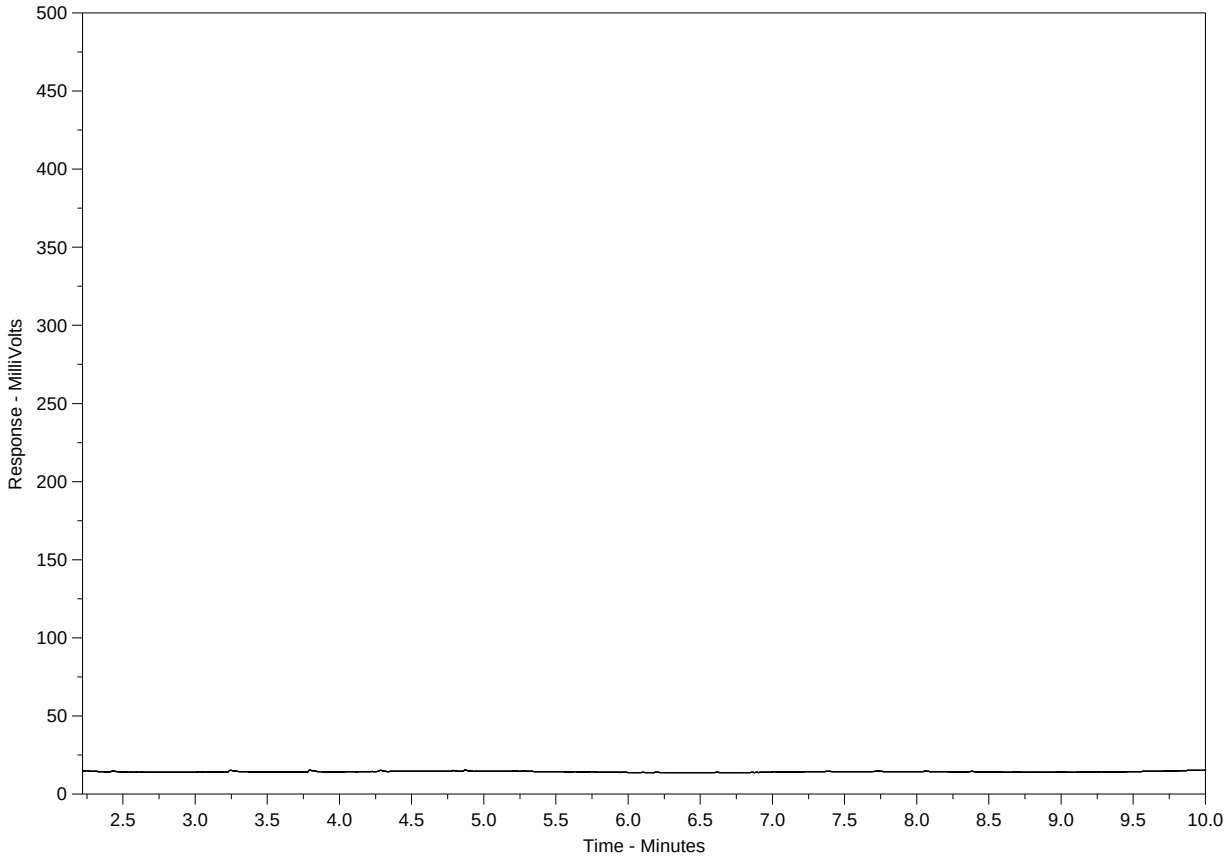
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-8
Client Sample ID: 2016-050-642



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

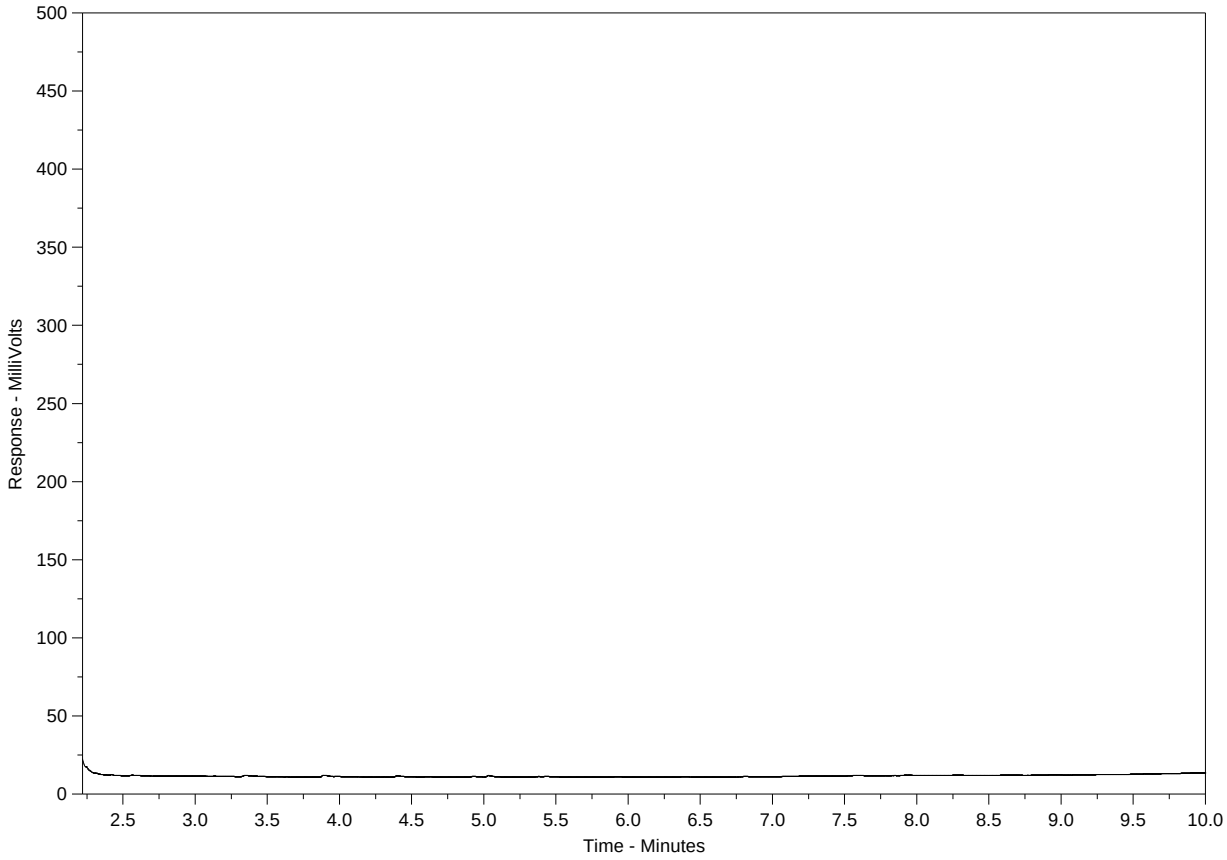
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-9
Client Sample ID: 2016-050-643



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

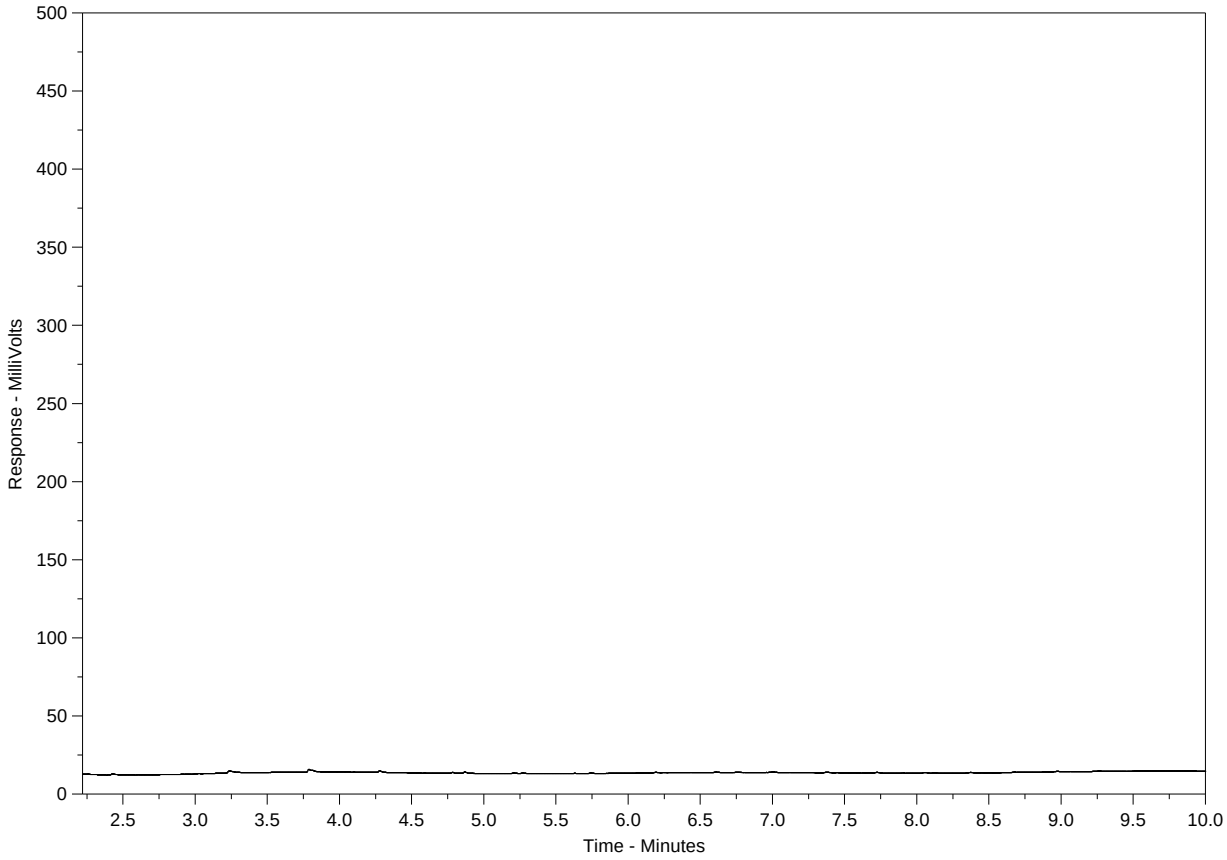
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-10
Client Sample ID: 2016-050-644



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F

Gasoline
Motor Oils / Lube Oils / Grease
Diesel / Jet Fuels

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

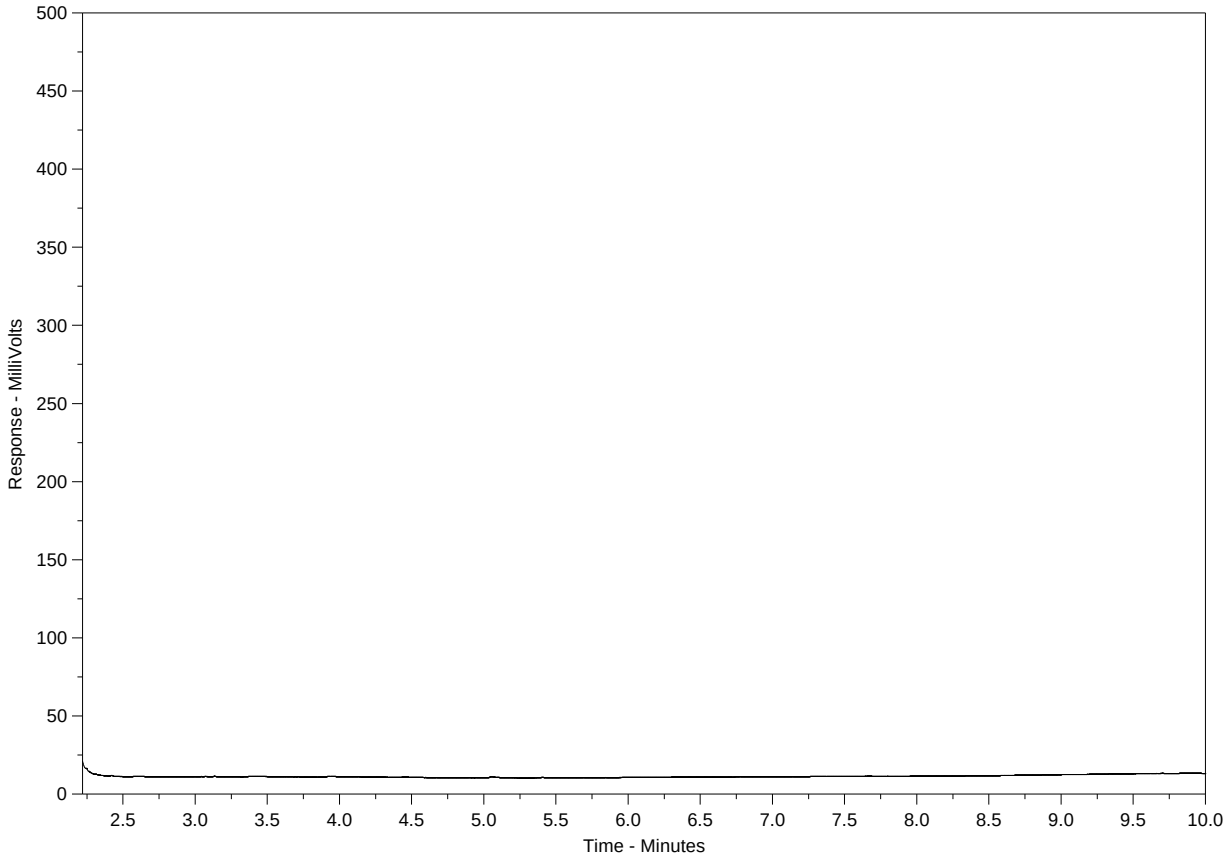
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-11
Client Sample ID: 2016-050-645



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

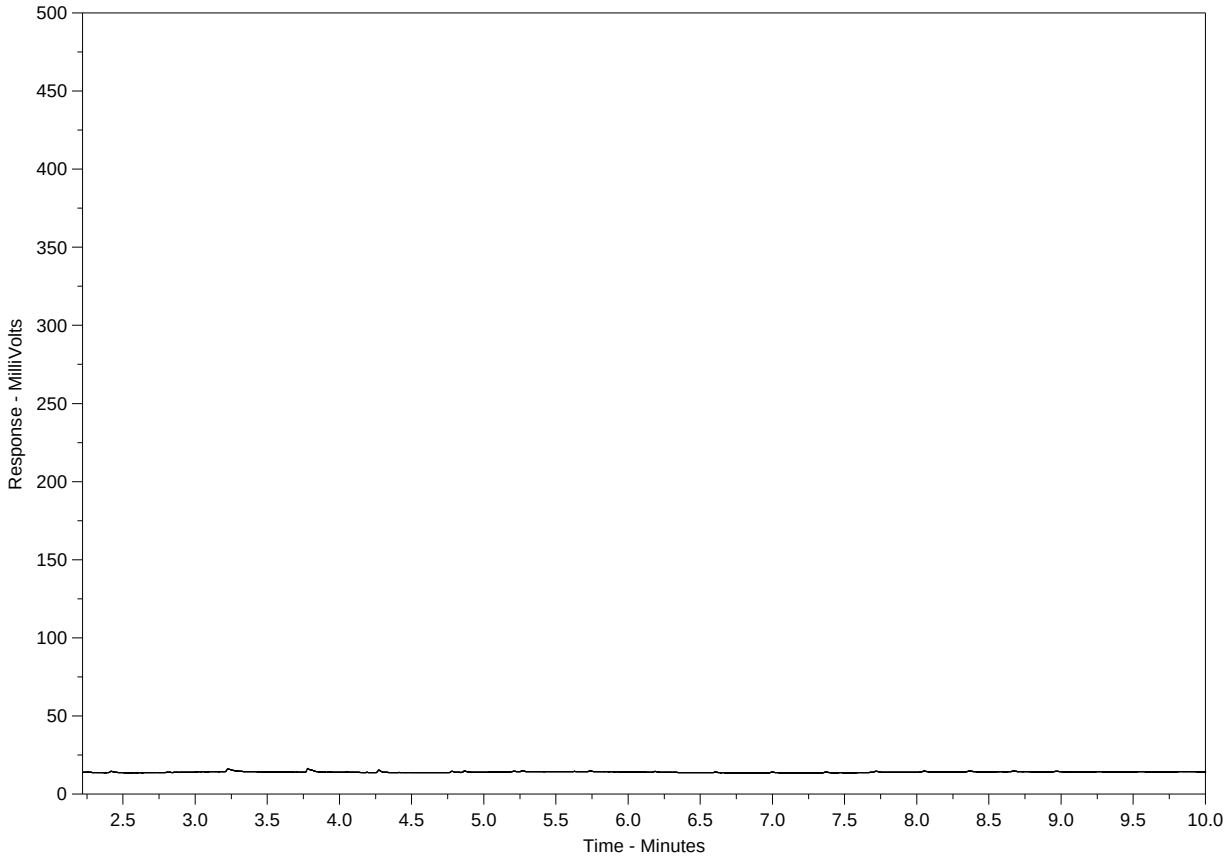
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-12
Client Sample ID: 2016-050-646



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F

Gasoline
Motor Oils / Lube Oils / Grease
Diesel / Jet Fuels

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

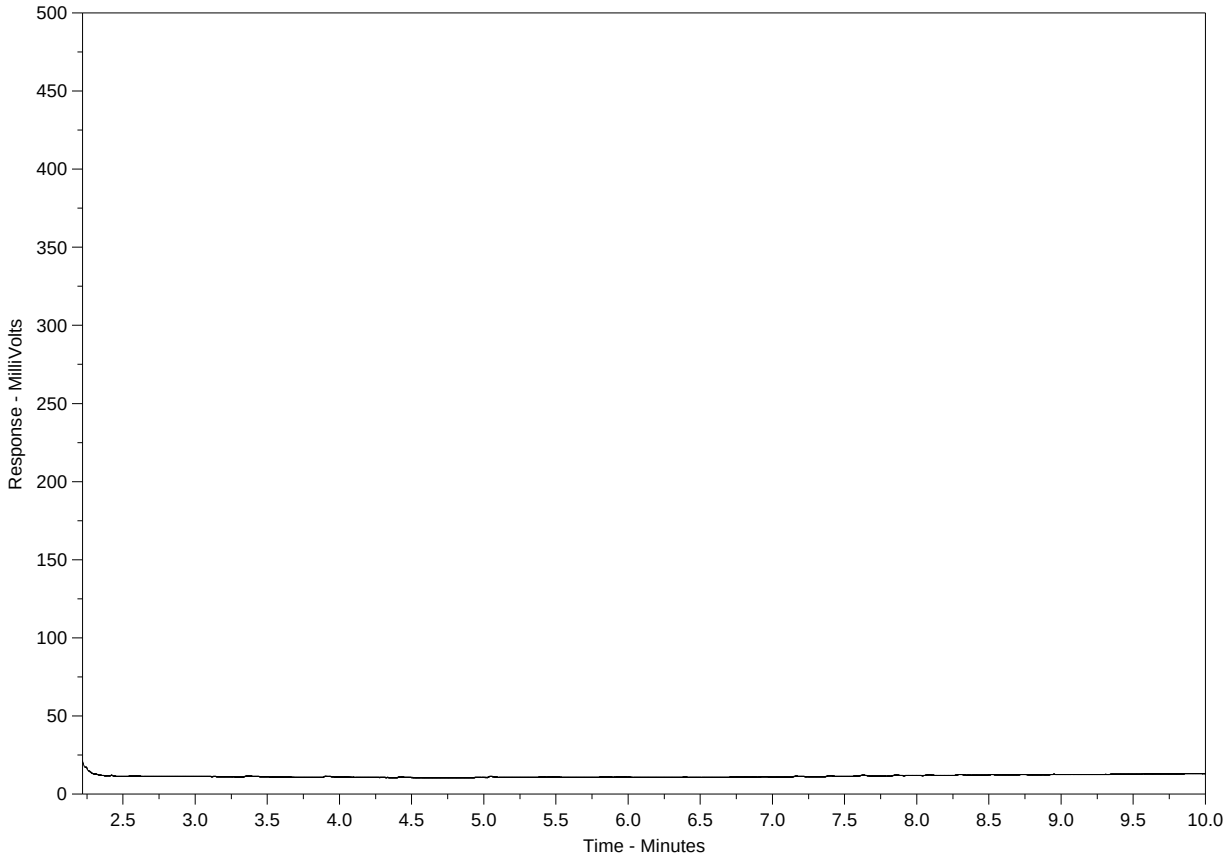
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-13
Client Sample ID: 2016-050-647



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

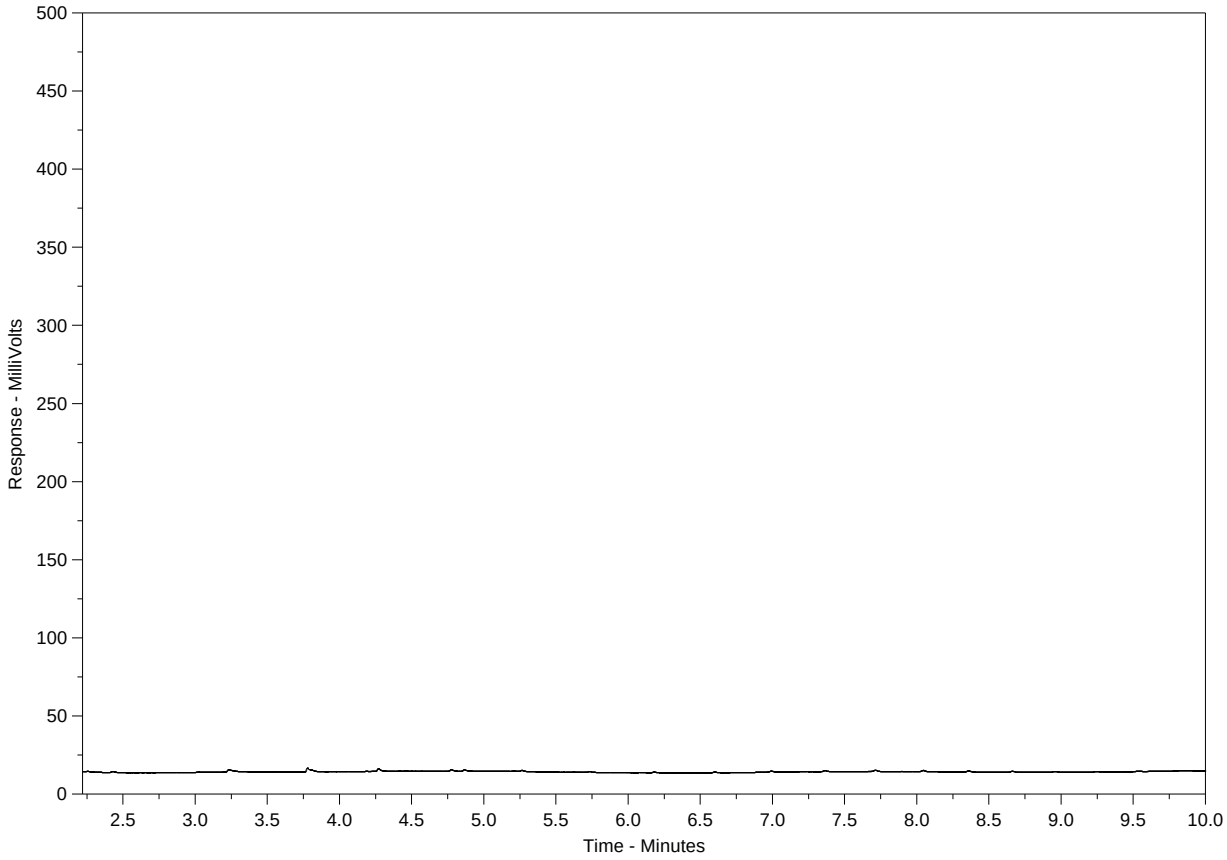
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

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Hydrocarbon Distribution Report

ALS Sample ID: L1762424-14
Client Sample ID: 2016-050-648



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F

Gasoline
Motor Oils / Lube Oils / Grease
Diesel / Jet Fuels

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

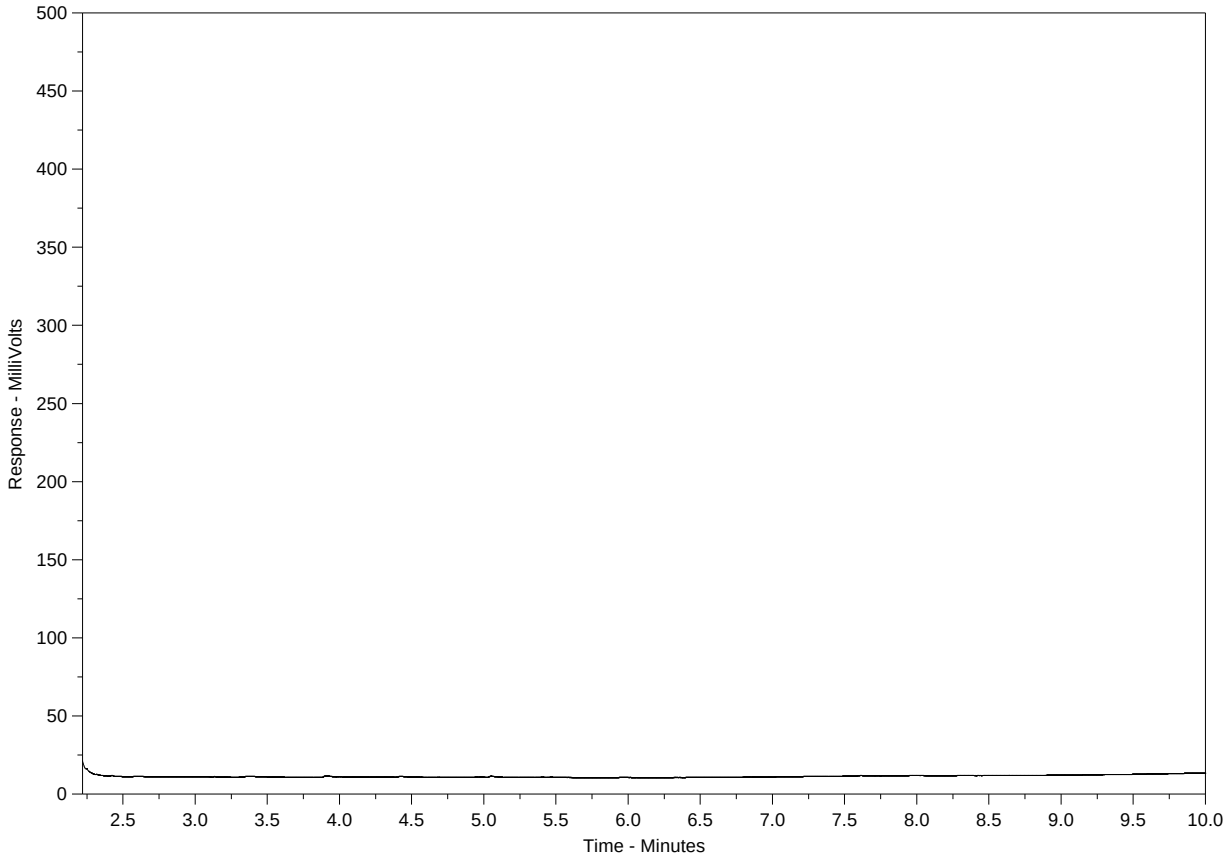
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-15
Client Sample ID: 2016-050-649



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

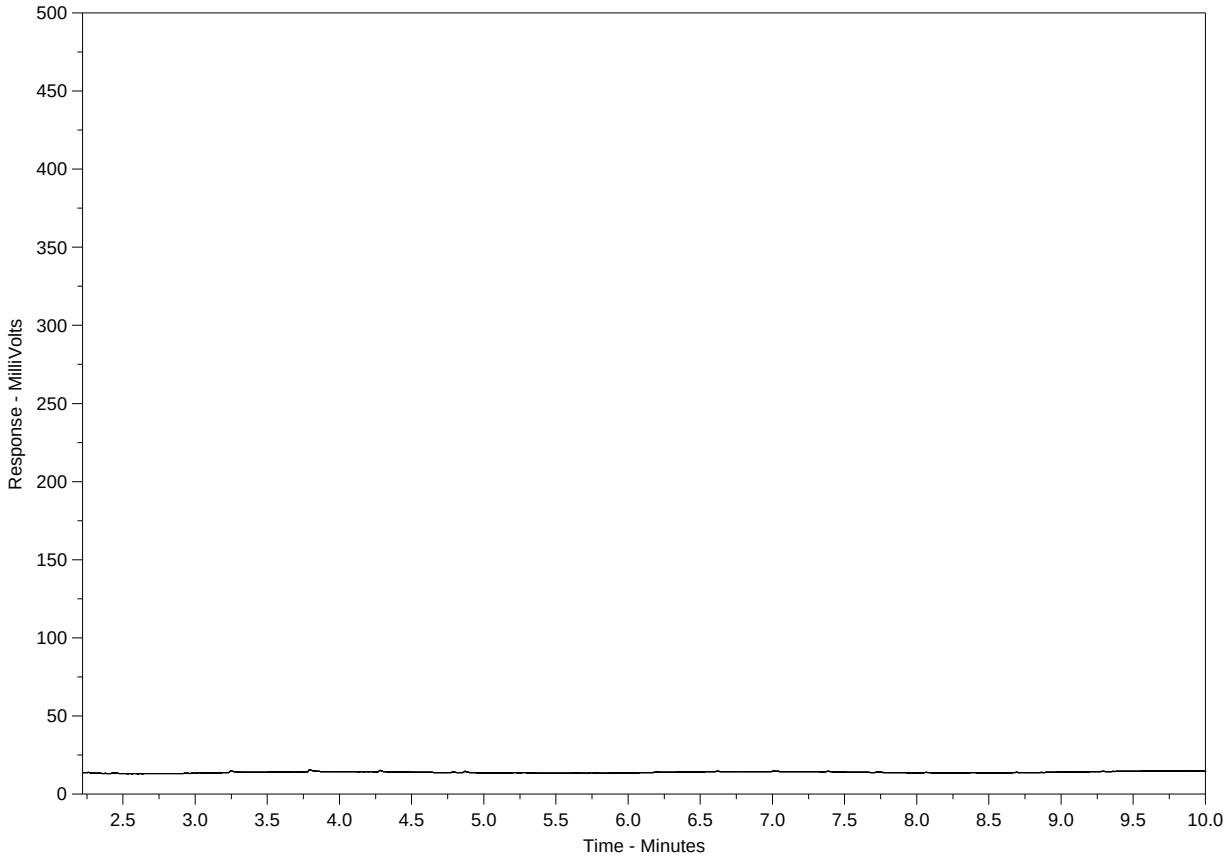
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-16
Client Sample ID: 2016-050-650



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

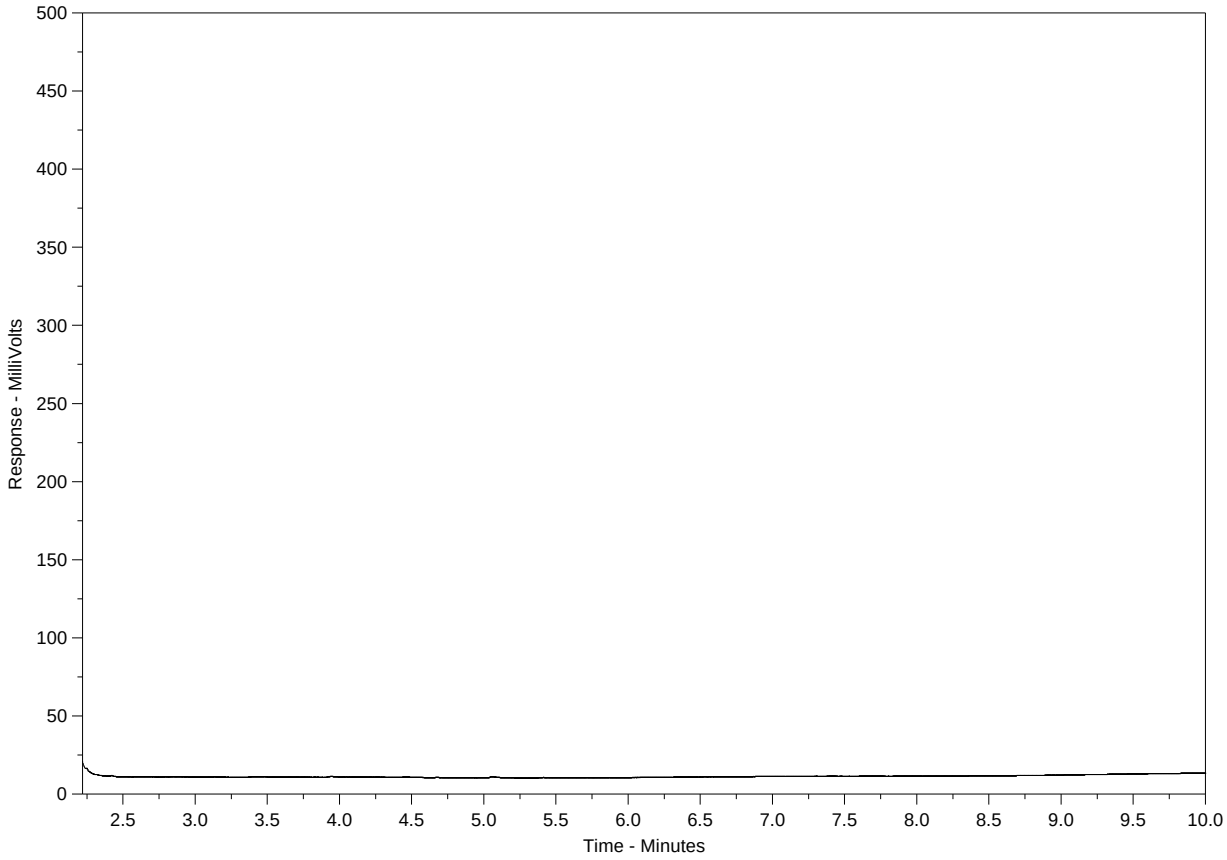
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-17
Client Sample ID: 2016-050-651



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

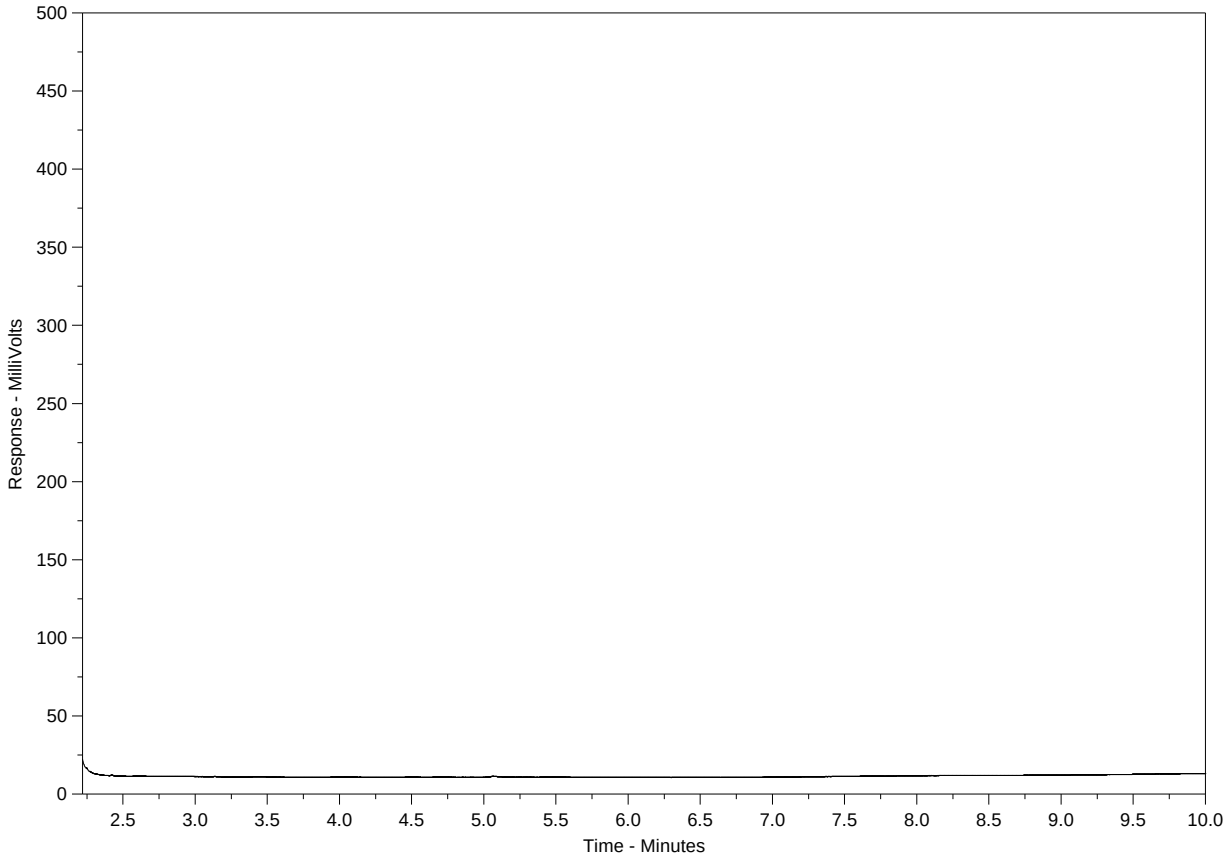
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-18
Client Sample ID: 2016-050-652



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

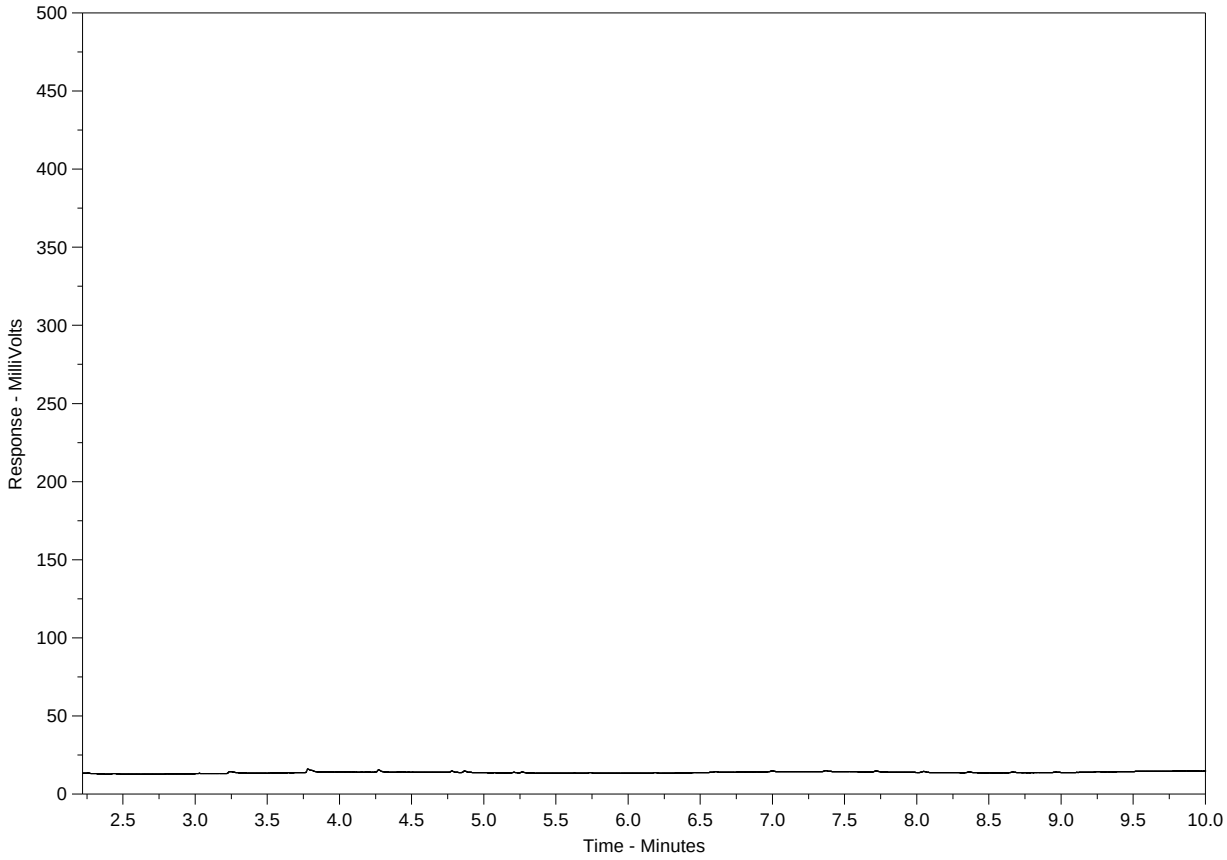
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-19
Client Sample ID: 2016-050-653



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

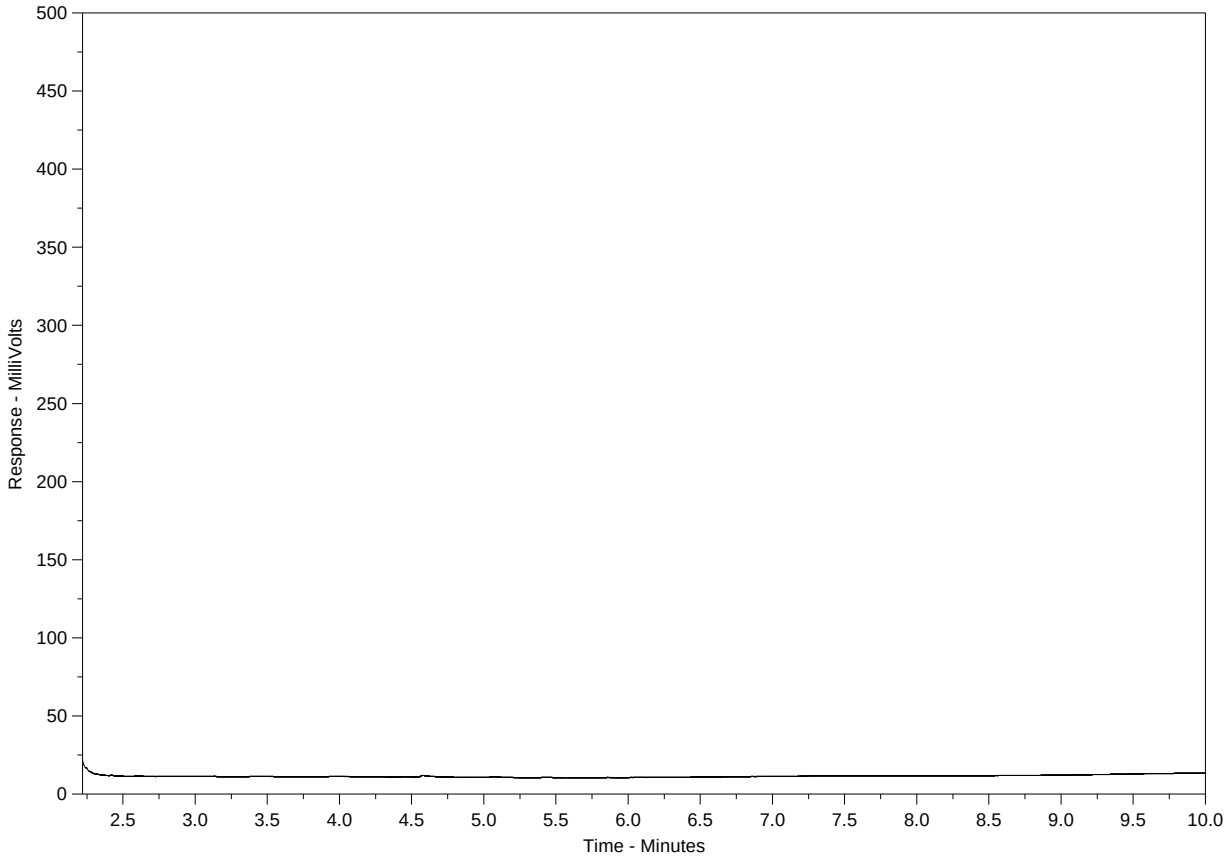
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-20
Client Sample ID: 2016-050-654



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

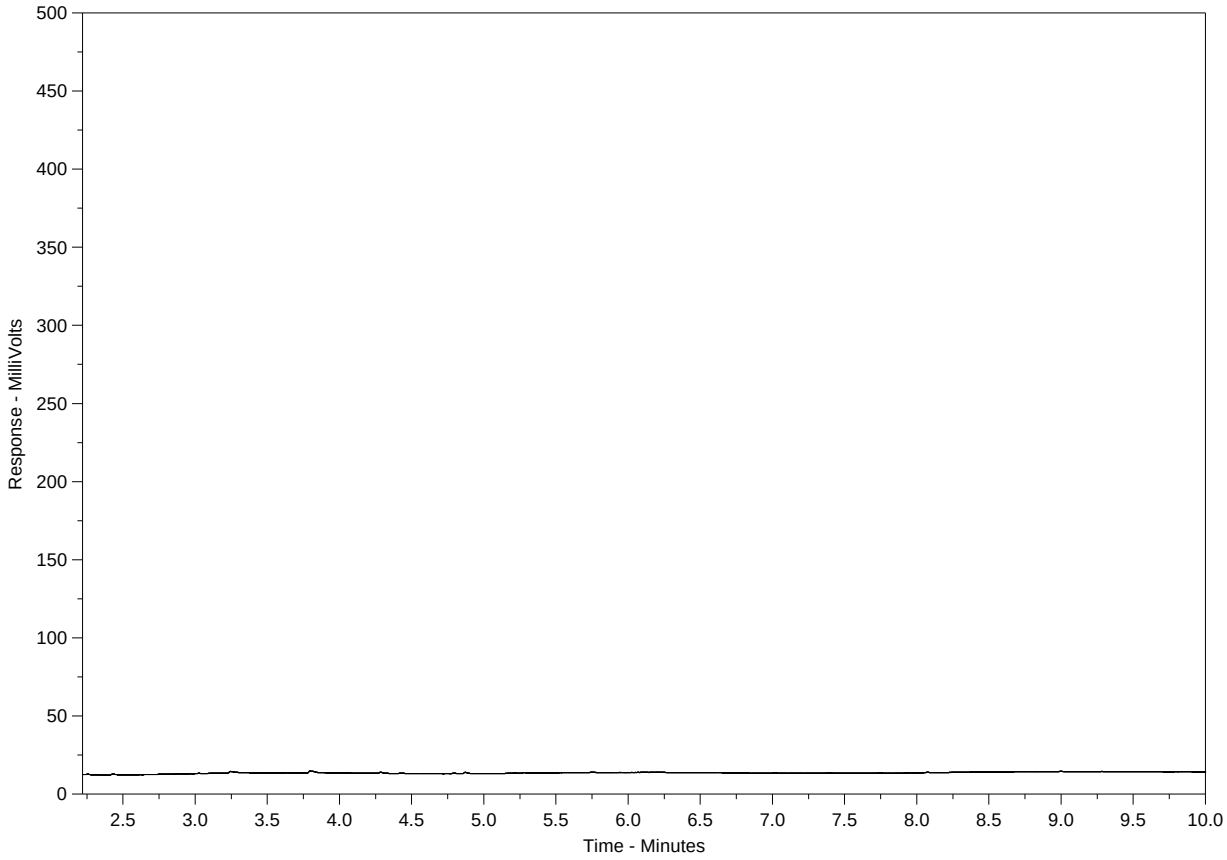
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-21
Client Sample ID: 2016-050-655



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

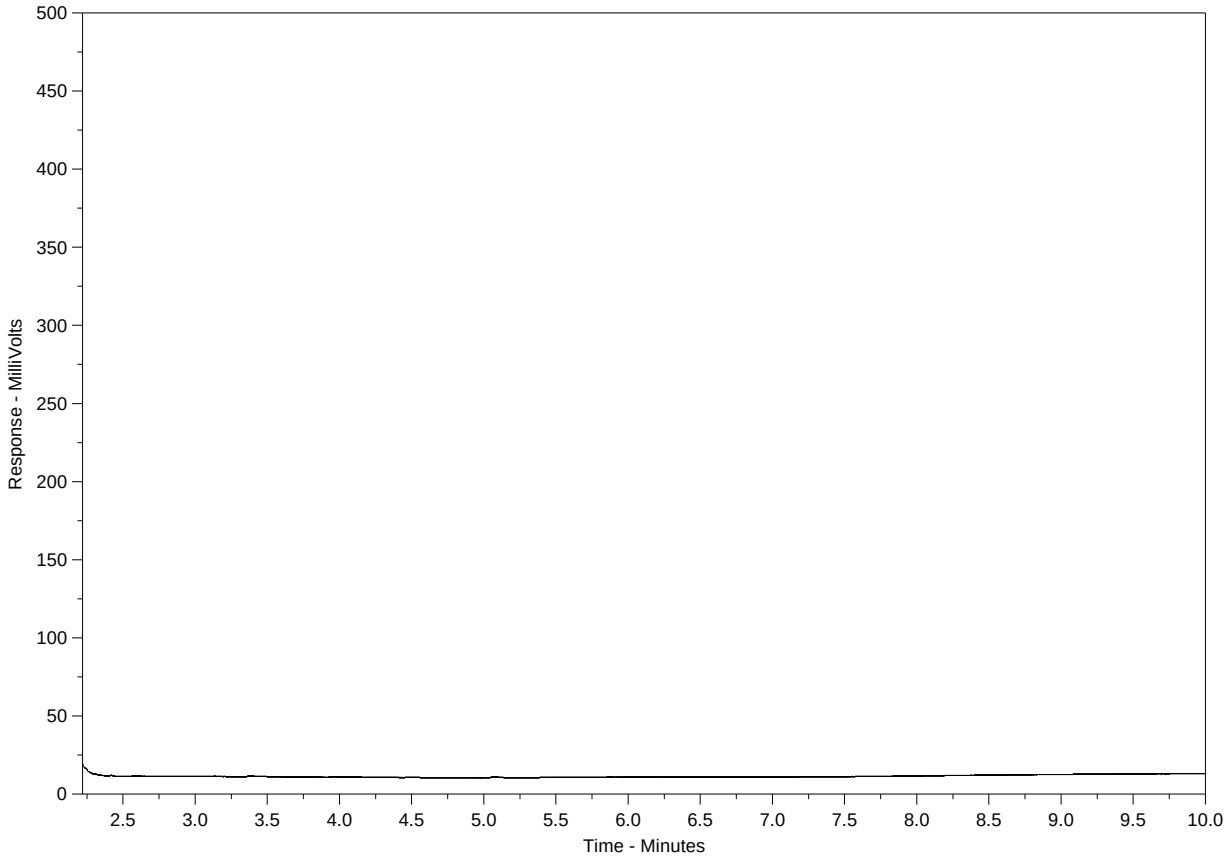
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-22
Client Sample ID: 2016-050-656



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

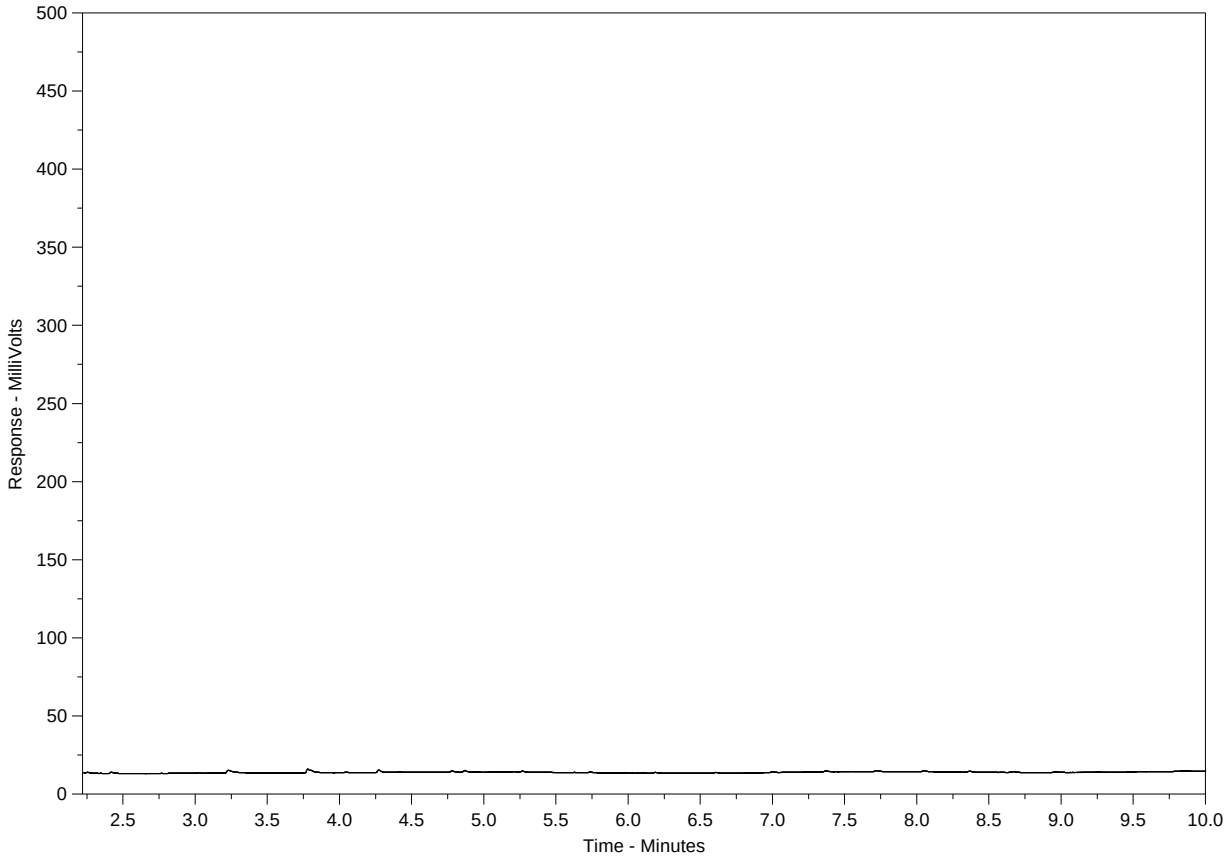
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1762424-23
Client Sample ID: 2016-050-657



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

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#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
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CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE

REPORT FORMAT: ☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr
☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
	2016-050-635	2016-04-29	9:50	water	X	X	Drinking Water
	2016-050-636	2016-04-29	9:50	water	X	X	Drinking Water
	2016-050-637	2016-04-29	9:56	water	X	X	Drinking Water
	2016-050-638	2016-04-29	10:03	water	X	X	Drinking Water
	2016-050-639	2016-04-29	10:08	water	X	X	Drinking Water
	2016-050-640	2016-04-29	10:08	water	X	X	Drinking Water
	2016-050-641	2016-04-29	10:27	water	X	X	Drinking Water
	2016-050-642	2016-04-29	10:32	water	X	X	Drinking Water
	2016-050-643	2016-04-29	10:42	water	X	X	Drinking Water
	2016-050-644	2016-04-29	10:45	water	X	X	Drinking Water

x / cooler Charge © Ground



TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO: ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT: ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY: Shelley Alcock	DATE: 2016-04-29	RECEIVED BY: Shayan	DATE: Apr. 30
	TIME: 13:21		TIME: 1200
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	TIME:		TIME:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: 5 °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

ALS Environmental
excellence in analytical testing

1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY	2016-050-645	2016-04-29	10:50	water	X	X	Drinking Water
	2016-050-646	2016-04-29	11:09	water	X	X	Drinking Water
	2016-050-647	2016-04-29	11:11	water	X	X	Drinking Water
	2016-050-648	2016-04-29	11:15	water	X	X	Drinking Water
	2016-050-649	2016-04-29	11:15	water	X	X	Drinking Water
	2016-050-650	2016-04-29	11:18	water	X	X	Drinking Water
	2016-050-651	2016-04-29	11:28	water	X	X	Drinking Water
	2016-050-652	2016-04-29	11:30	water	X	X	Drinking Water
	2016-050-653	2016-04-29	11:33	Water	X	X	
	2016-050-654	2016-04-29	11:35	Water	X	X	



TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY: Shelley Alcock	DATE: 2016-04-29	RECEIVED BY: Shayan	DATE: Apr.20
			TIME: 13:21		TIME: 1200
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX		TIME:		TIME:

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: 5 °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

ALS Environmental
excellence in analytical testing

1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr ☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY	2016-050-655	2016-04-29	11:38	water	X	X	Drinking Water
	2016-050-656	2016-04-29	11:40	water	X	X	Drinking Water
	2016-050-657	2016-04-29	13:20	water	X	X	

L1762424-COFC

TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY:	DATE: 2016-04-29	RECEIVED BY:	DATE: Apr. 30
		Shelley Alcock	TIME: 13:21	Shayan	TIME: 1200
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
INVOICE FORMAT:	☐ HARDCOPY ☑ PDF ☐ FAX		TIME:		TIME:

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: 5 °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

CAPITAL REGIONAL DISTRICT
ATTN: Korene Torney
625 Fisgard Street
VICTORIA BC V8W 1R7

Date Received: 26-JUL-16
Report Date: 02-AUG-16 12:30 (MT)
Version: FINAL

Client Phone: 250-360-3214

Certificate of Analysis

Lab Work Order #: L1804184

Project P.O. #: NOT SUBMITTED
Job Reference: MILLSTREAM DOMESTIC WELLS
C of C Numbers:
Legal Site Desc:

Comments: Please note that the Polycyclic Aromatic Hydrocarbon results, that were used in the calculation of the LEPH/HEPH results, are not reported in the following data tables, as per the client's request.

M. Hornby

Michael Hornby
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1804184-1	L1804184-2	L1804184-3	L1804184-4	L1804184-5
Description	Water	Water	Water	Water	Water
Sampled Date	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16
Sampled Time	10:22	10:25	10:32	10:47	10:51
Client ID	2016-050-628	2016-050-629	2016-050-630	2016-050-631	2016-050-632
Grouping / **Analyte**					
WATER					
Hydrocarbons EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
Surrogate: 2-Bromobenzotrifluoride (%)	91.3	96.8	92.7	92.2	94.5

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1804184-6	L1804184-7	L1804184-8	L1804184-9	L1804184-10
	Description	Water	Water	Water	Water	Water
	Sampled Date	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16
	Sampled Time	10:54	10:57	10:57	11:18	11:20
	Client ID	2016-050-633	2016-050-634	2016-050-658	2016-050-659	2016-050-660
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	92.0	96.9	96.0	94.2	92.9

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1804184-11	L1804184-12	L1804184-13	L1804184-14	L1804184-15
Description	Water	Water	Water	Water	Water
Sampled Date	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16
Sampled Time	11:24	11:44	11:45	11:52	11:54
Client ID	2016-050-661	2016-050-662	2016-050-663	2016-050-664	2016-050-665
Grouping / **Analyte**					
WATER					
Hydrocarbons EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
Surrogate: 2-Bromobenzotrifluoride (%)	93.4	94.2	91.4	93.3	94.1

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1804184-16	L1804184-17	L1804184-18	L1804184-19	L1804184-20
Description	Water	Water	Water	Water	Water
Sampled Date	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16
Sampled Time	11:56	12:08	12:13	12:14	12:15
Client ID	2016-050-666	2016-050-667	2016-050-668	2016-050-669	2016-050-670
Grouping / **Analyte**					
WATER					
Hydrocarbons EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
Surrogate: 2-Bromobenzotrifluoride (%)	91.9	98.2	100.0	102.4	101.0

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1804184-21	L1804184-22	L1804184-23	L1804184-24	
	Description	Water	Water	Water	Water	
	Sampled Date	25-JUL-16	25-JUL-16	25-JUL-16	25-JUL-16	
	Sampled Time	12:15	12:17	12:17	13:05	
	Client ID	2016-050-671	2016-050-672	2016-050-673	2016-050-674	
Grouping	**Analyte**					
WATER						
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	
	Surrogate: 2-Bromobenzotrifluoride (%)	102.7	100.0	102.8	105.0	

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.			
LEPH/HEPH-CALC-VA	Water	LEPHs and HEPHs	BC MOE LABORATORY MANUAL (2005)
Light and Heavy Extractable Petroleum Hydrocarbons in water. These results are determined according to the British Columbia Ministry of Environment, Lands, and Parks Analytical Method for Contaminated Sites "Calculation of Light and Heavy Extractable Petroleum Hydrocarbons in Solids or Water". According to this method, LEPH and HEPH are calculated by subtracting selected Polycyclic Aromatic Hydrocarbon results from Extractable Petroleum Hydrocarbon results. To calculate LEPH, the individual results for Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene are subtracted from EPH(C10-19). To calculate HEPH, the individual results for Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene are subtracted from EPH(C19-32). Analysis of Extractable Petroleum Hydrocarbons adheres to all prescribed elements of the BCMELP method "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 20, 1999).			
PAH-ME-MS-VA	Water	PAHs in Water	EPA 3511/8270D (mod)
PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.			

** 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
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

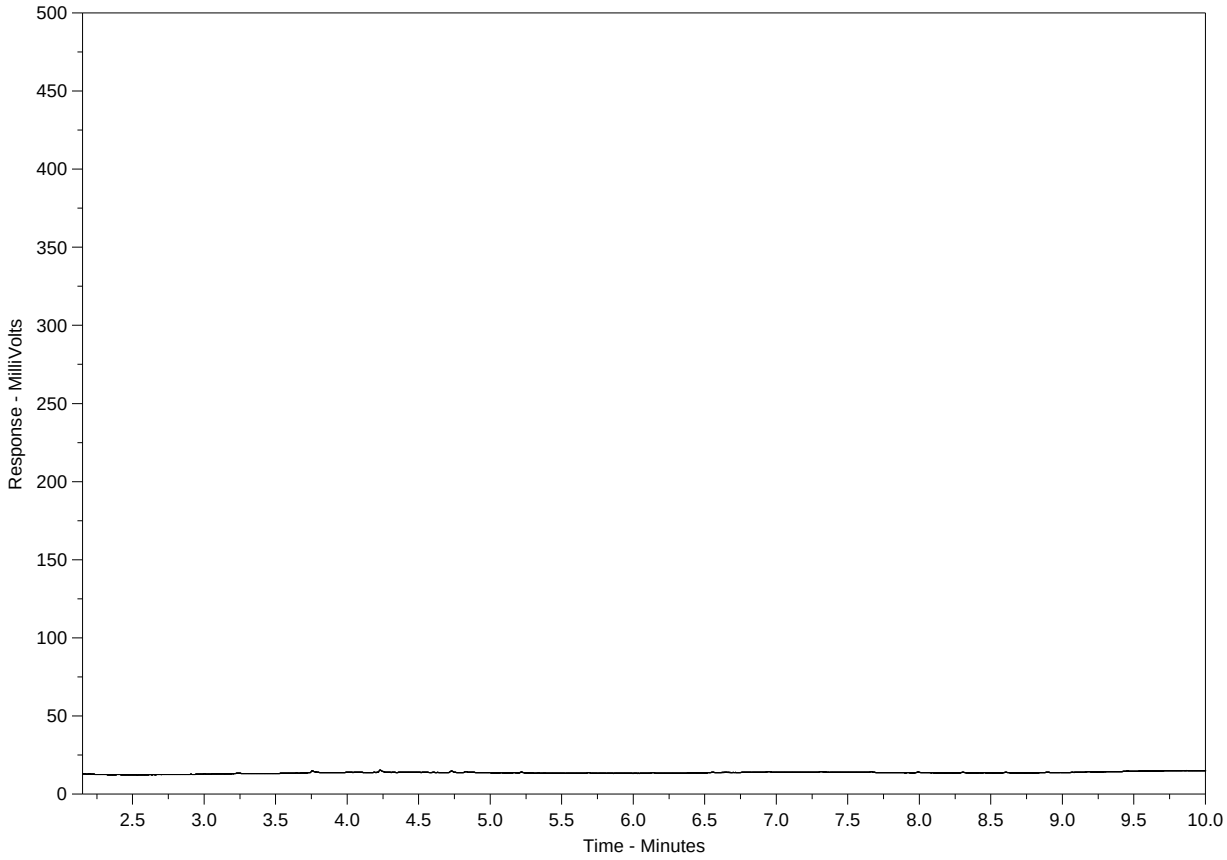
GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
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 of sample.
mg/L - milligrams per litre.
< - Less than.
D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).
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.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-1
Client Sample ID: 2016-050-628



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

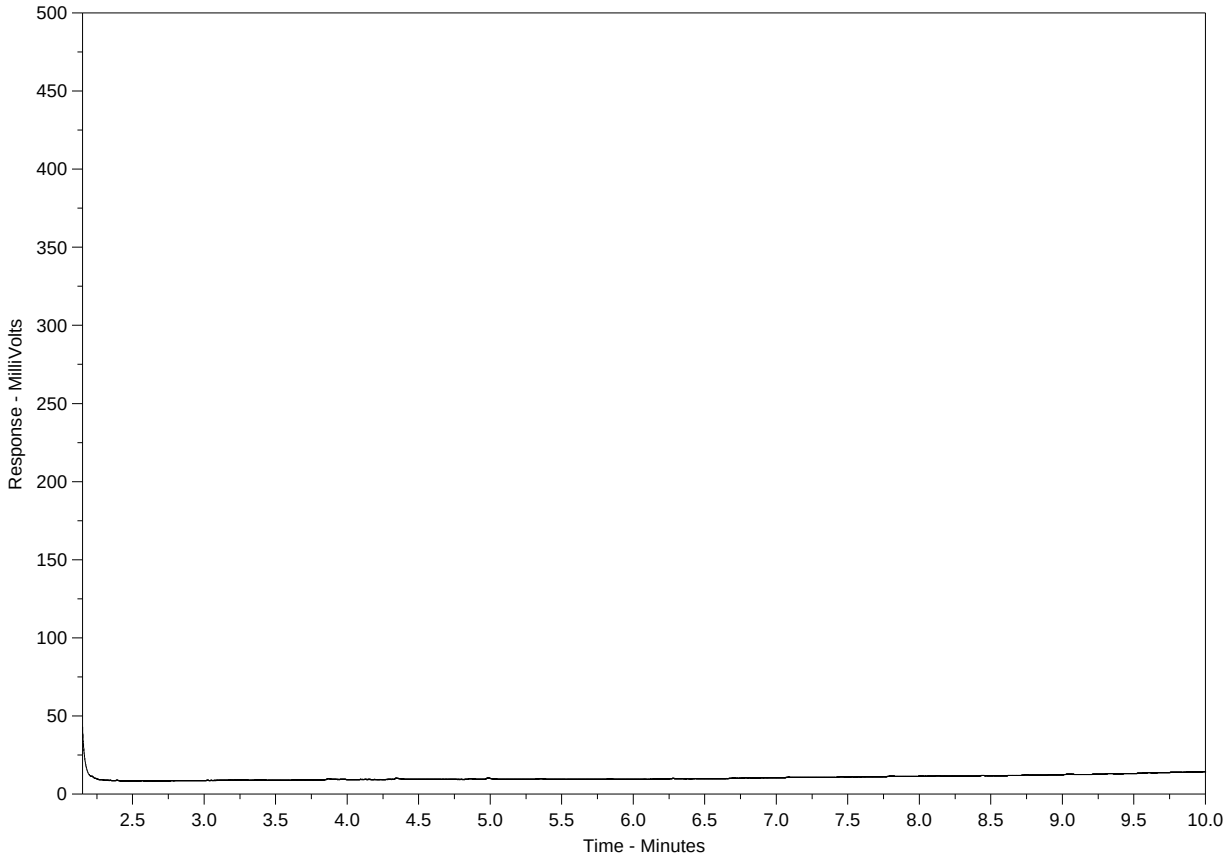
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-2
Client Sample ID: 2016-050-629



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

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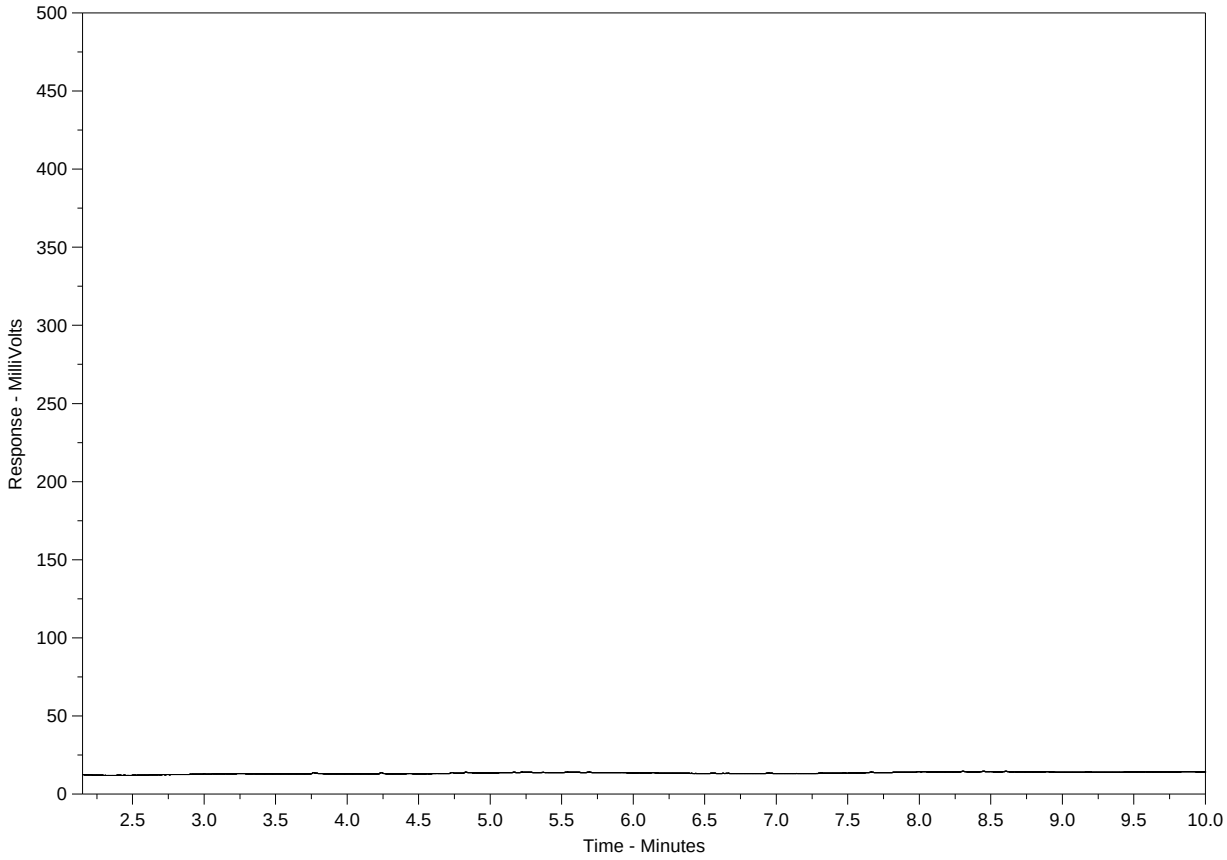
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-3
Client Sample ID: 2016-050-630



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

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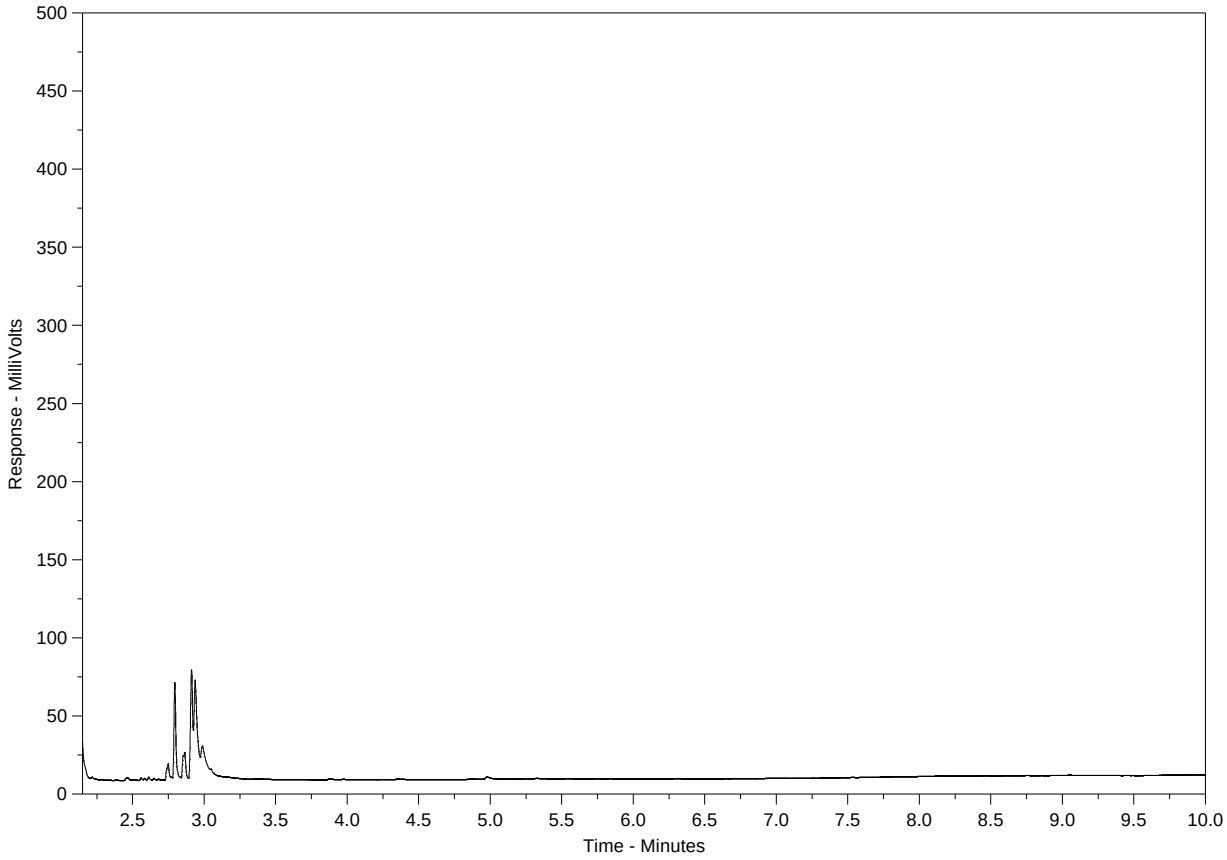
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-4
Client Sample ID: 2016-050-631



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

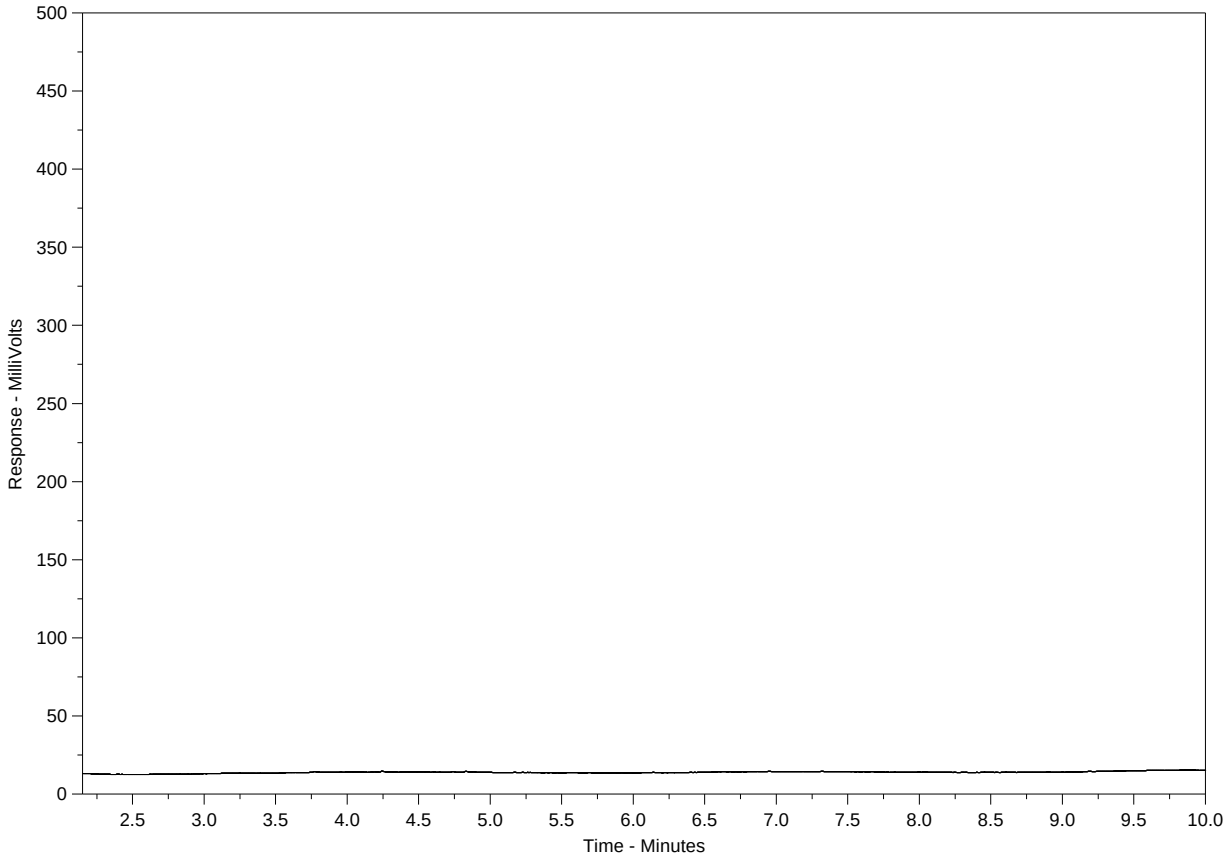
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-5
Client Sample ID: 2016-050-632



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

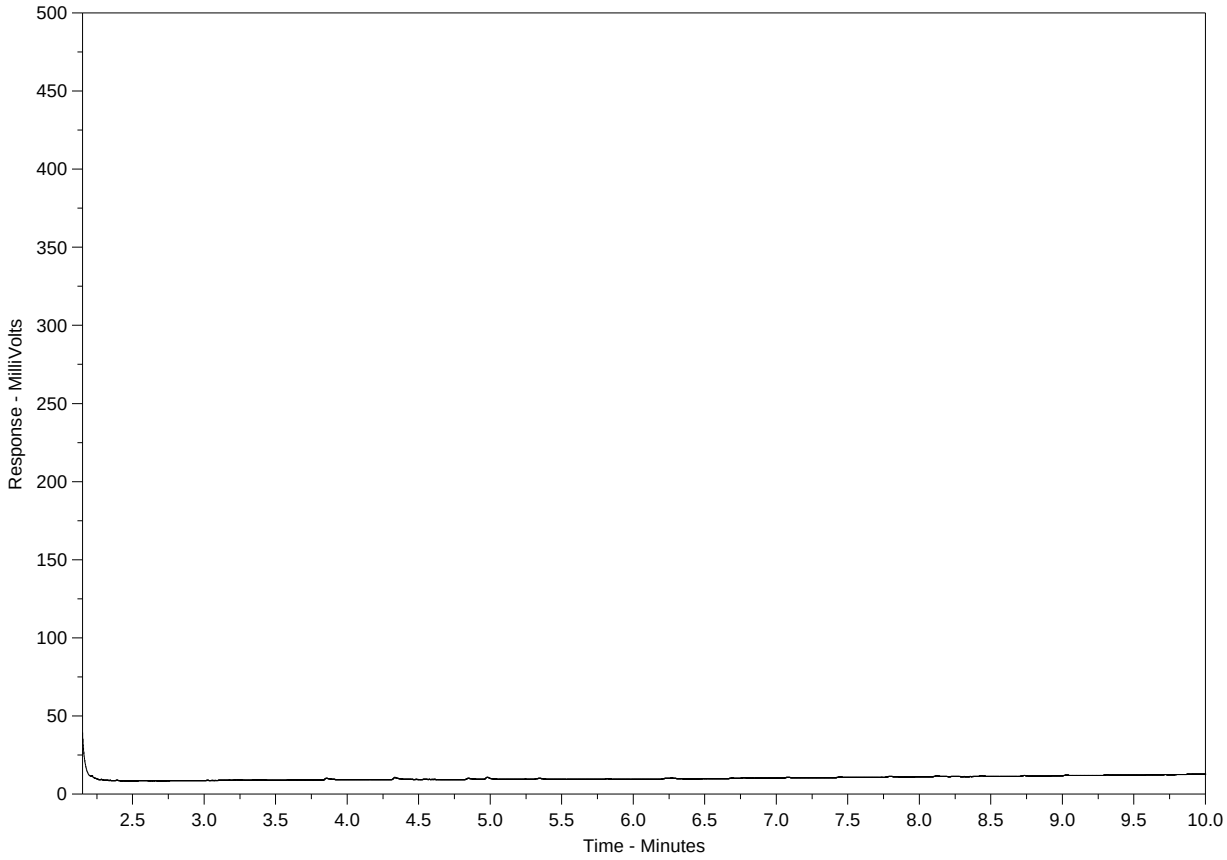
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-6
Client Sample ID: 2016-050-633



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

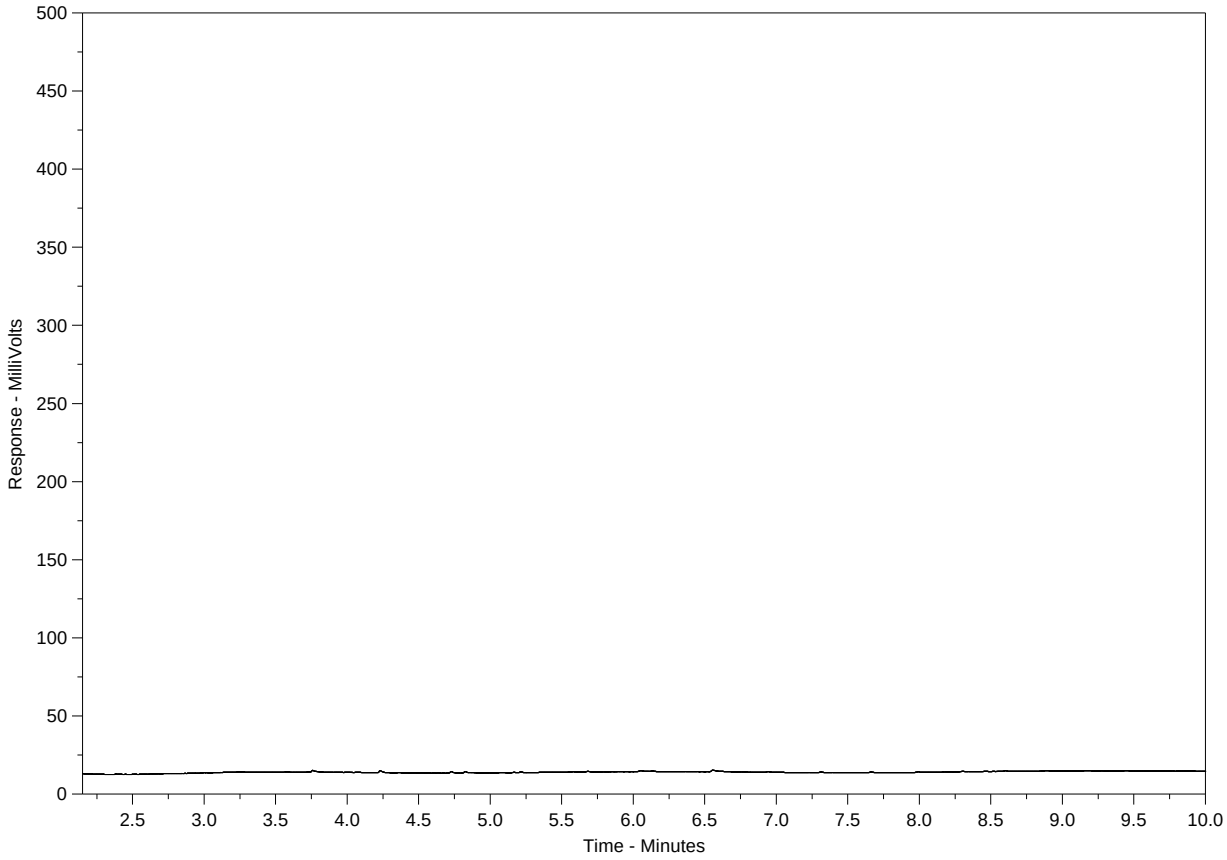
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-7
Client Sample ID: 2016-050-634



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

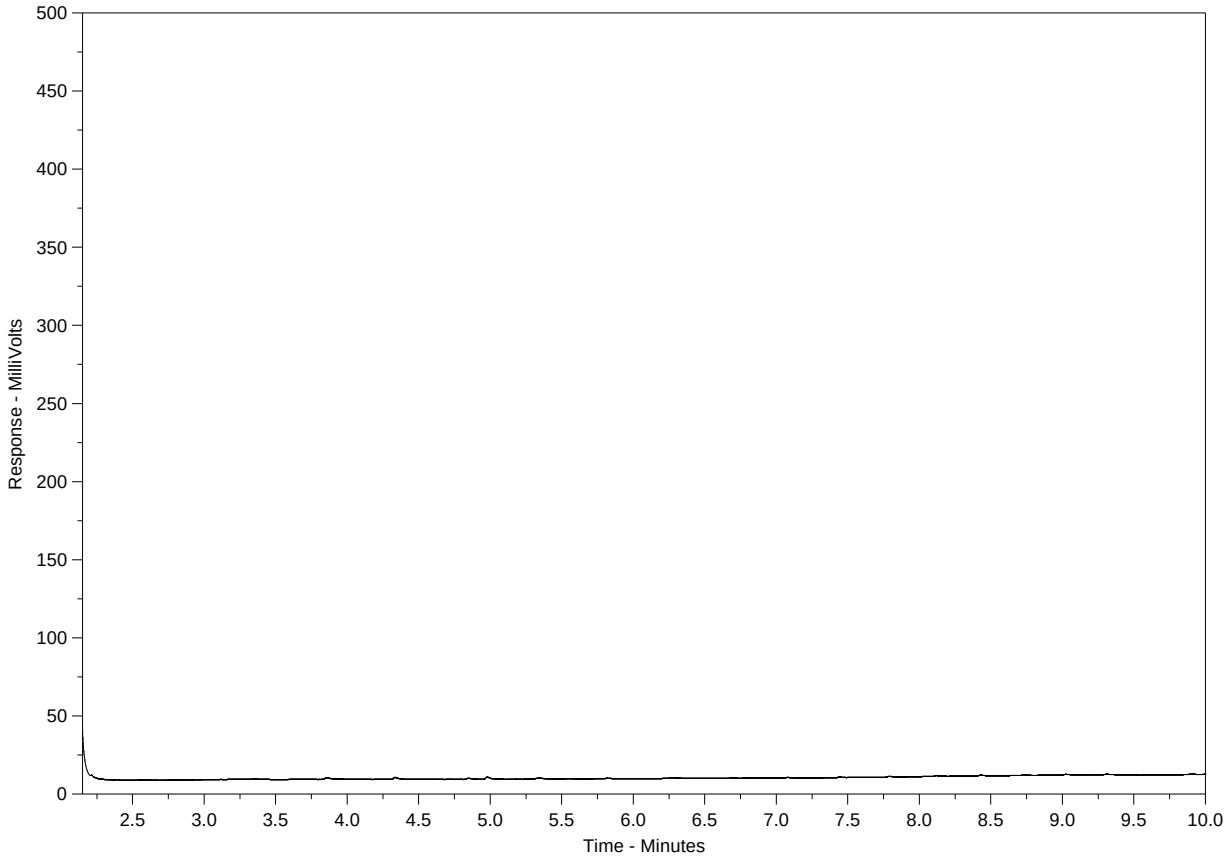
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-8
Client Sample ID: 2016-050-658



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

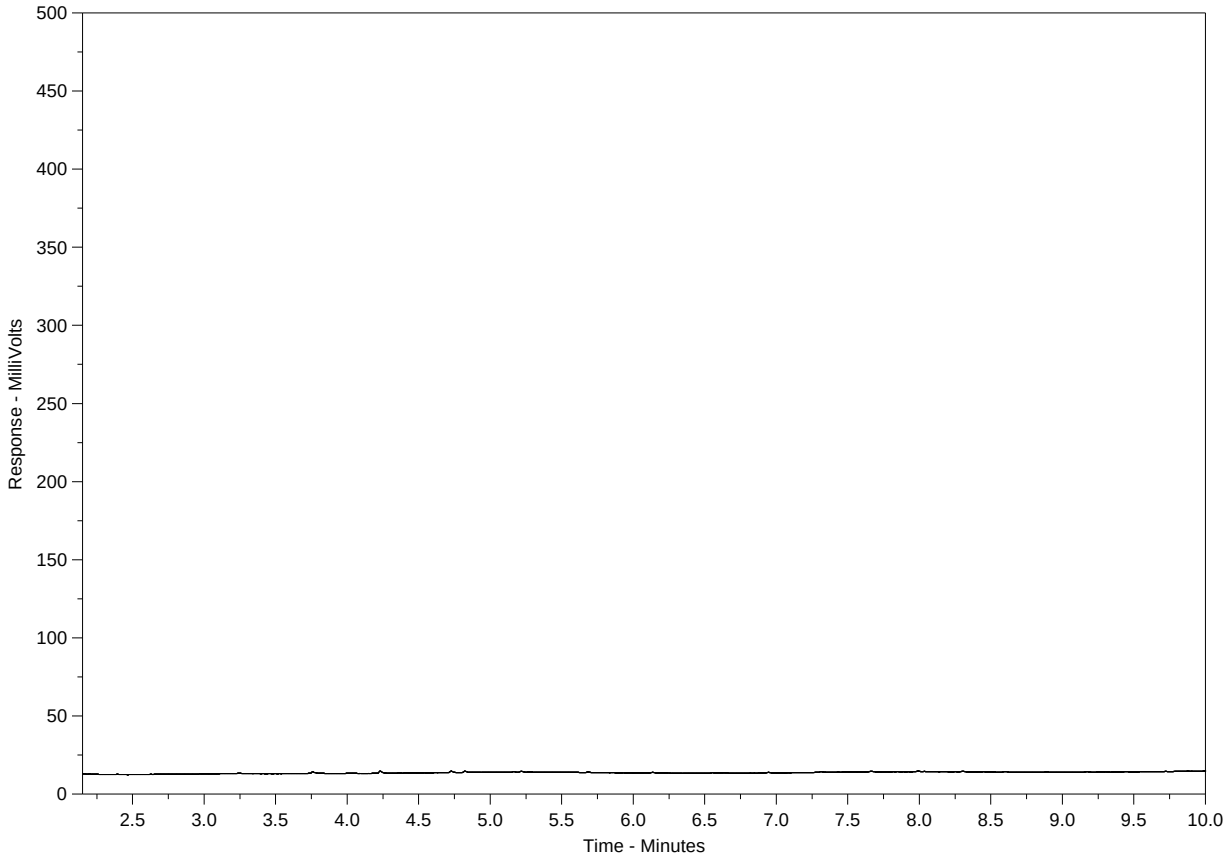
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-9
Client Sample ID: 2016-050-659



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

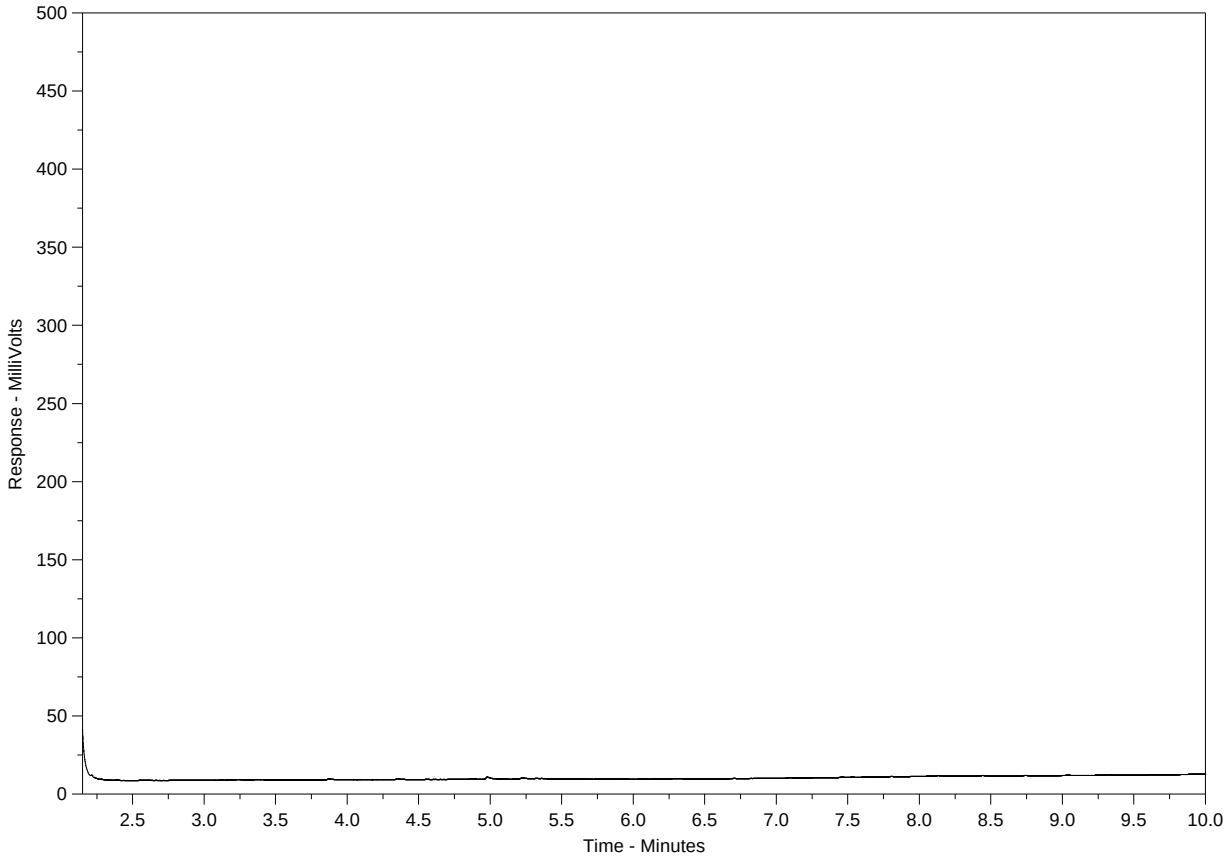
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-10
Client Sample ID: 2016-050-660



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

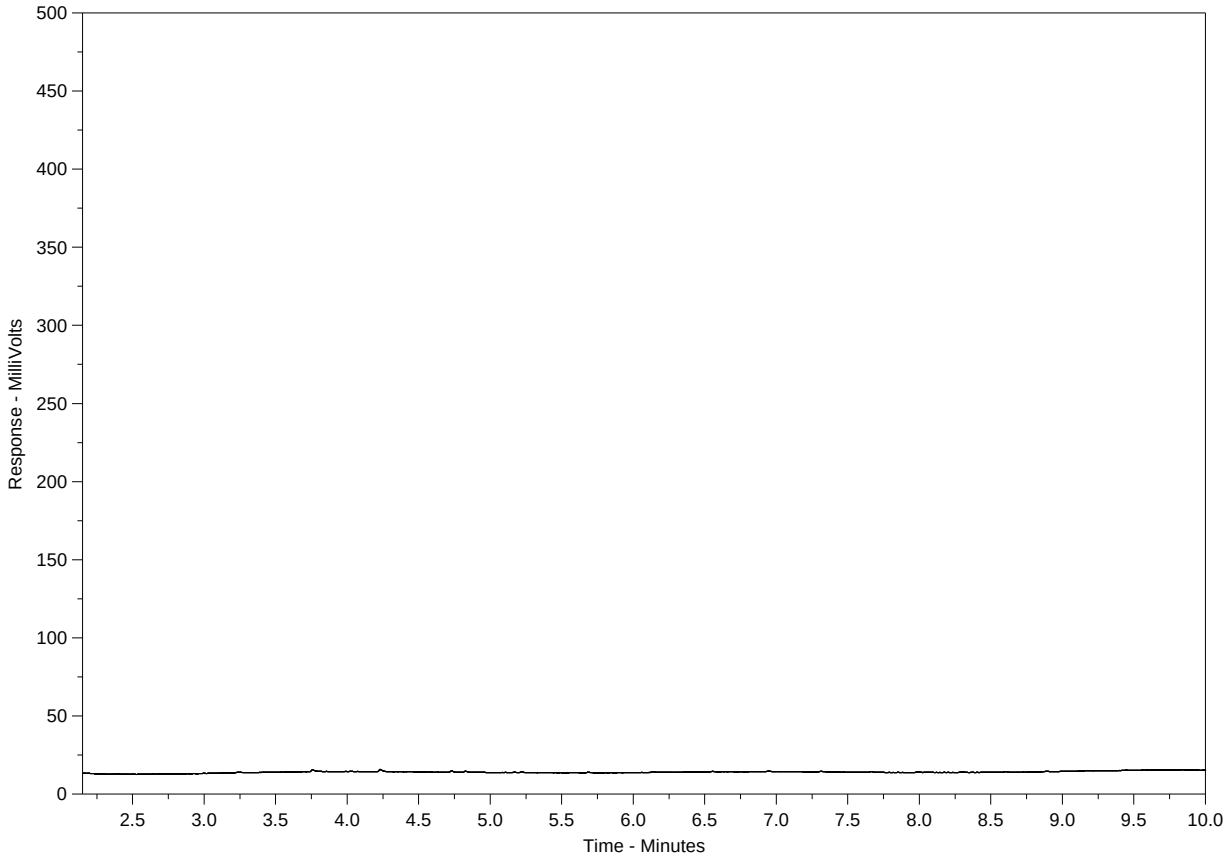
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-11
Client Sample ID: 2016-050-661



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

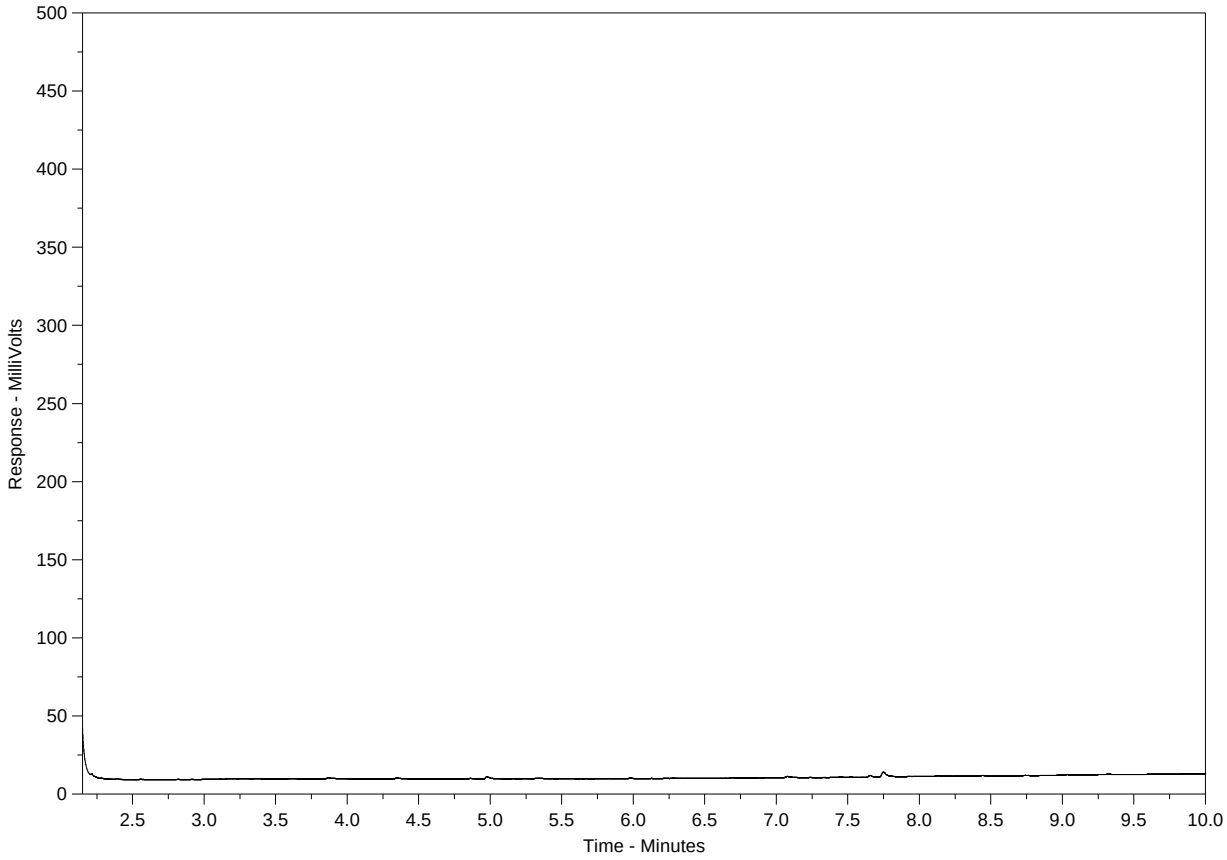
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-12
Client Sample ID: 2016-050-662



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

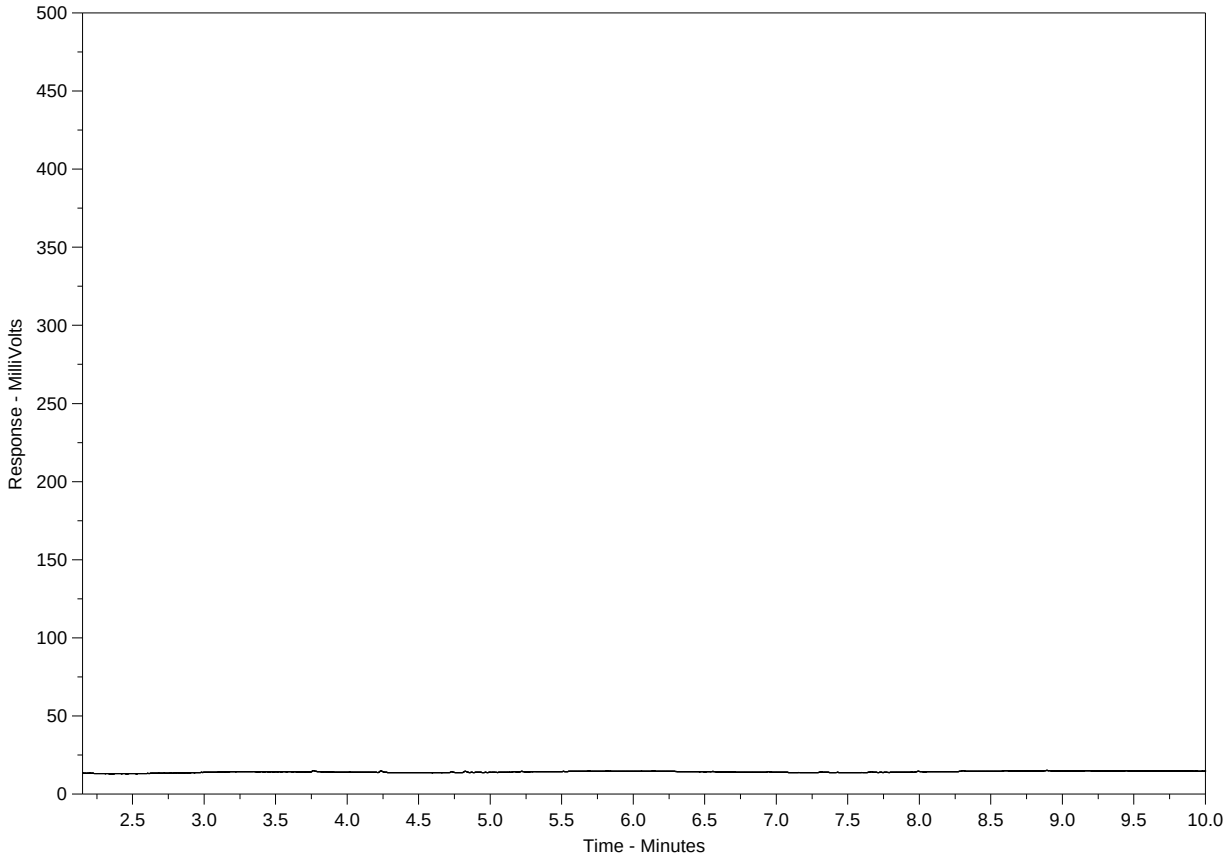
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-13
Client Sample ID: 2016-050-663



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

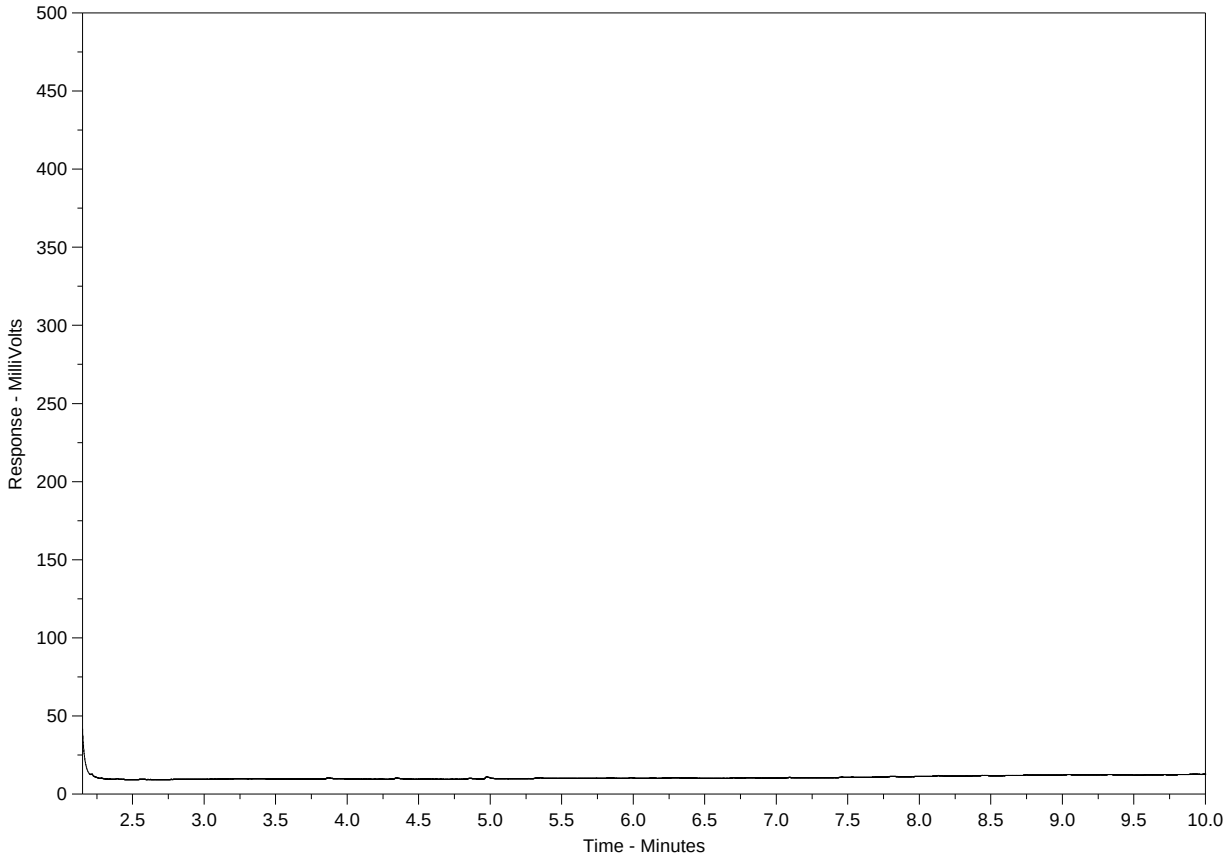
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-14
Client Sample ID: 2016-050-664



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

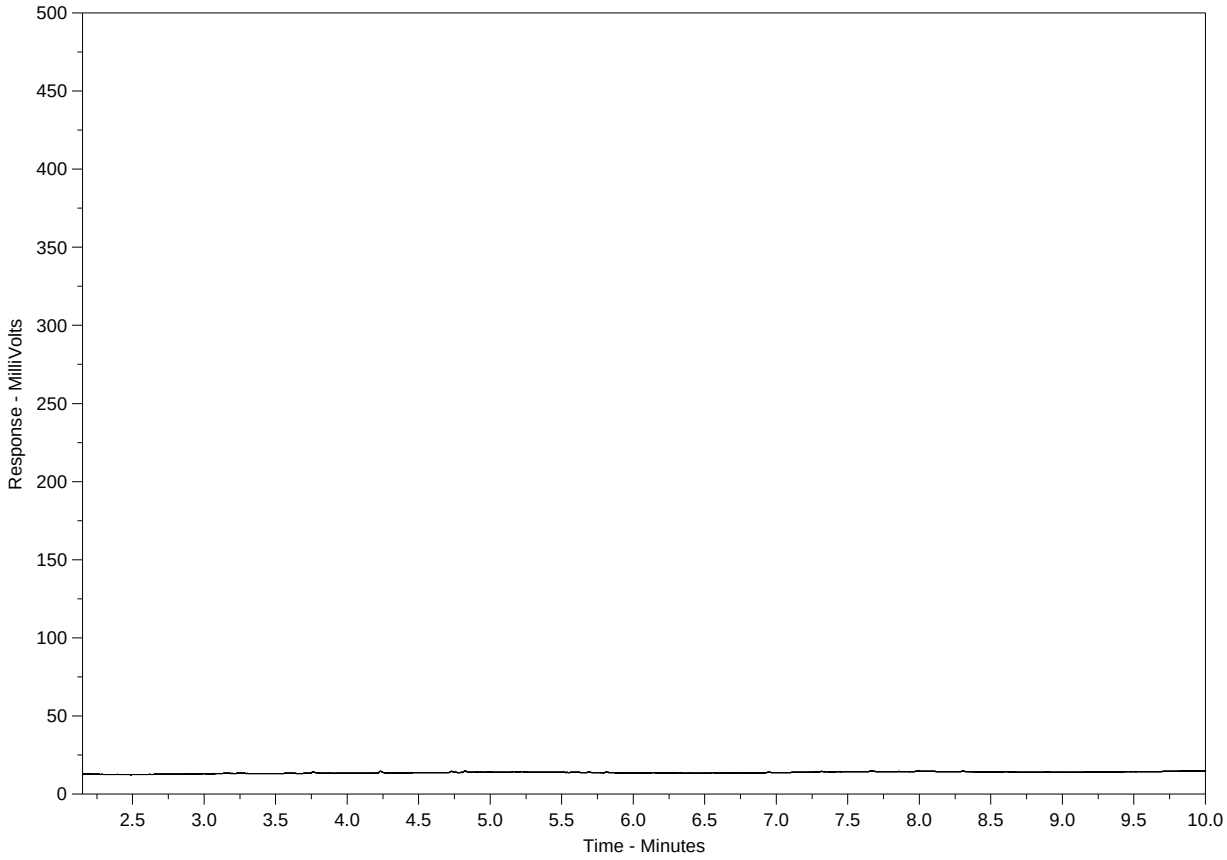
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-15
Client Sample ID: 2016-050-665



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

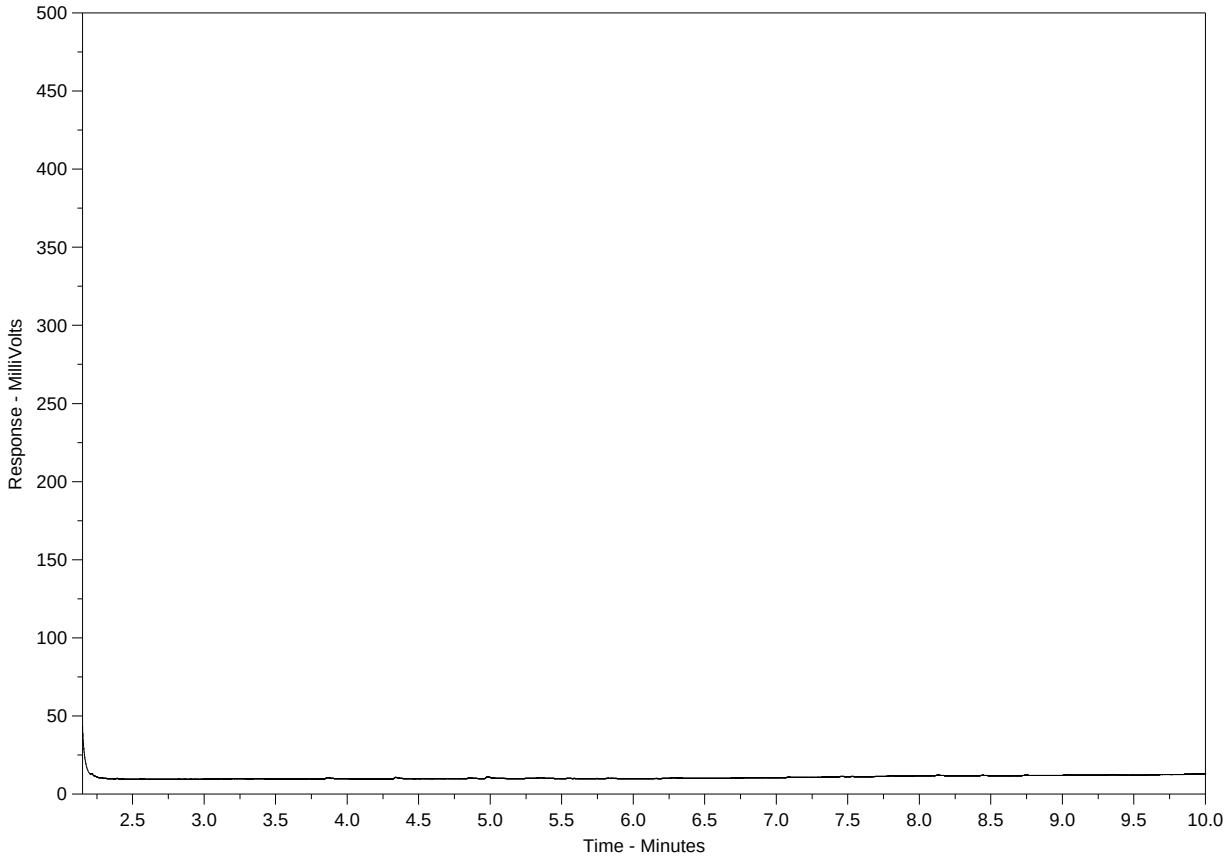
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-16
Client Sample ID: 2016-050-666



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

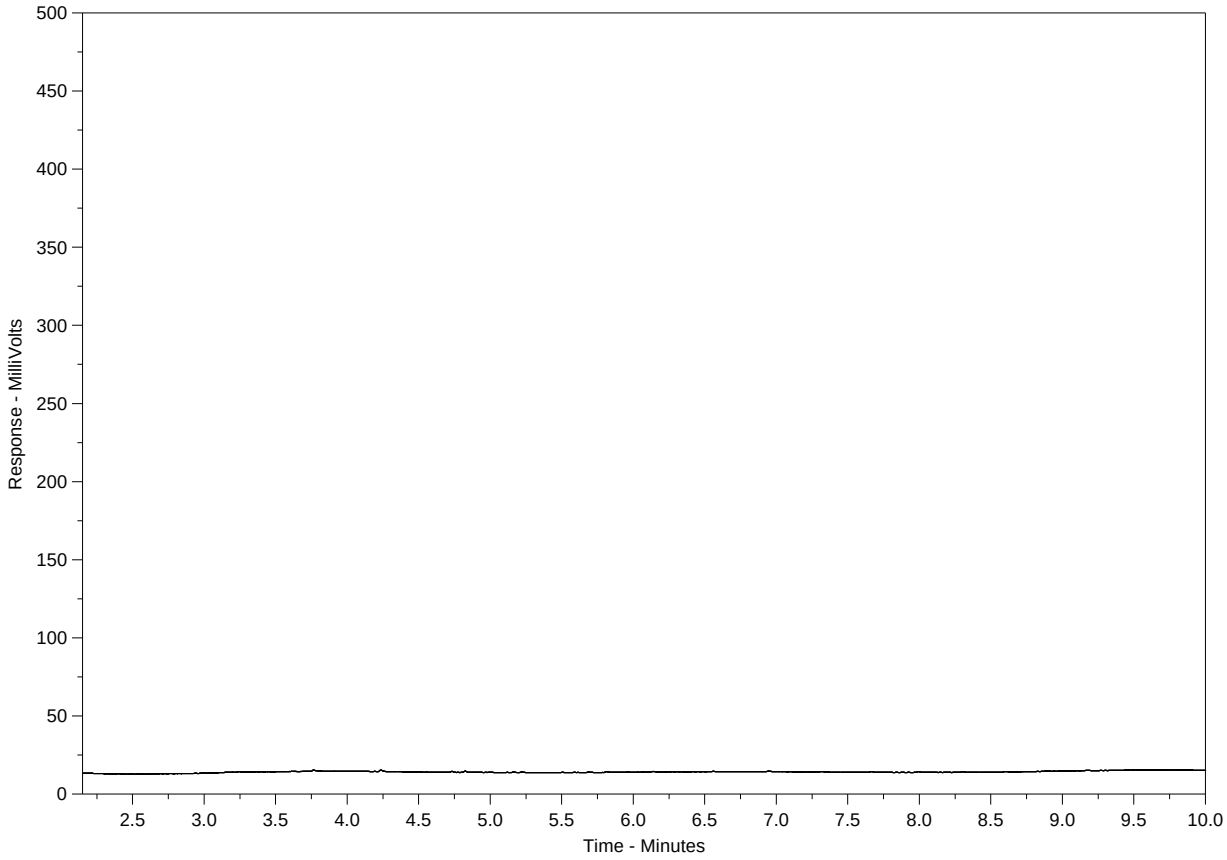
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-17
Client Sample ID: 2016-050-667



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

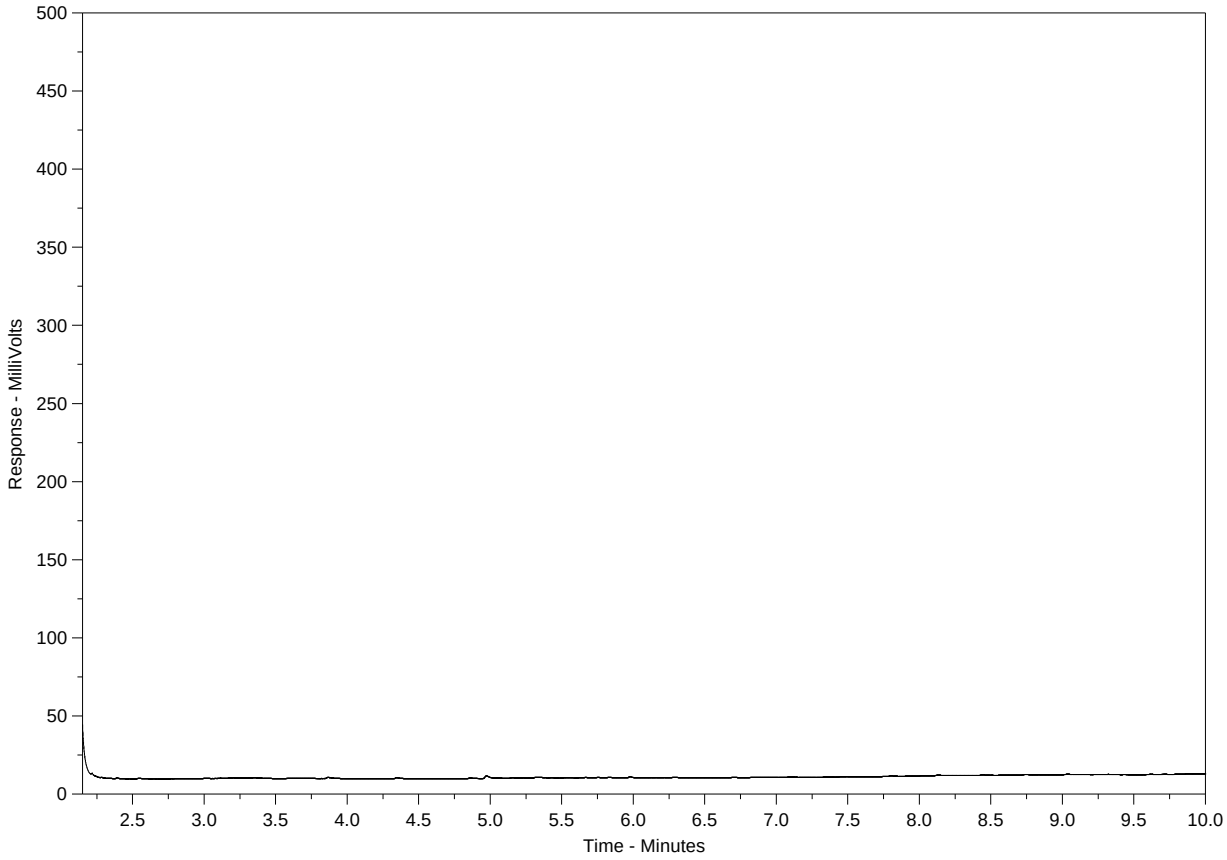
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

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Hydrocarbon Distribution Report

ALS Sample ID: L1804184-18
Client Sample ID: 2016-050-668



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

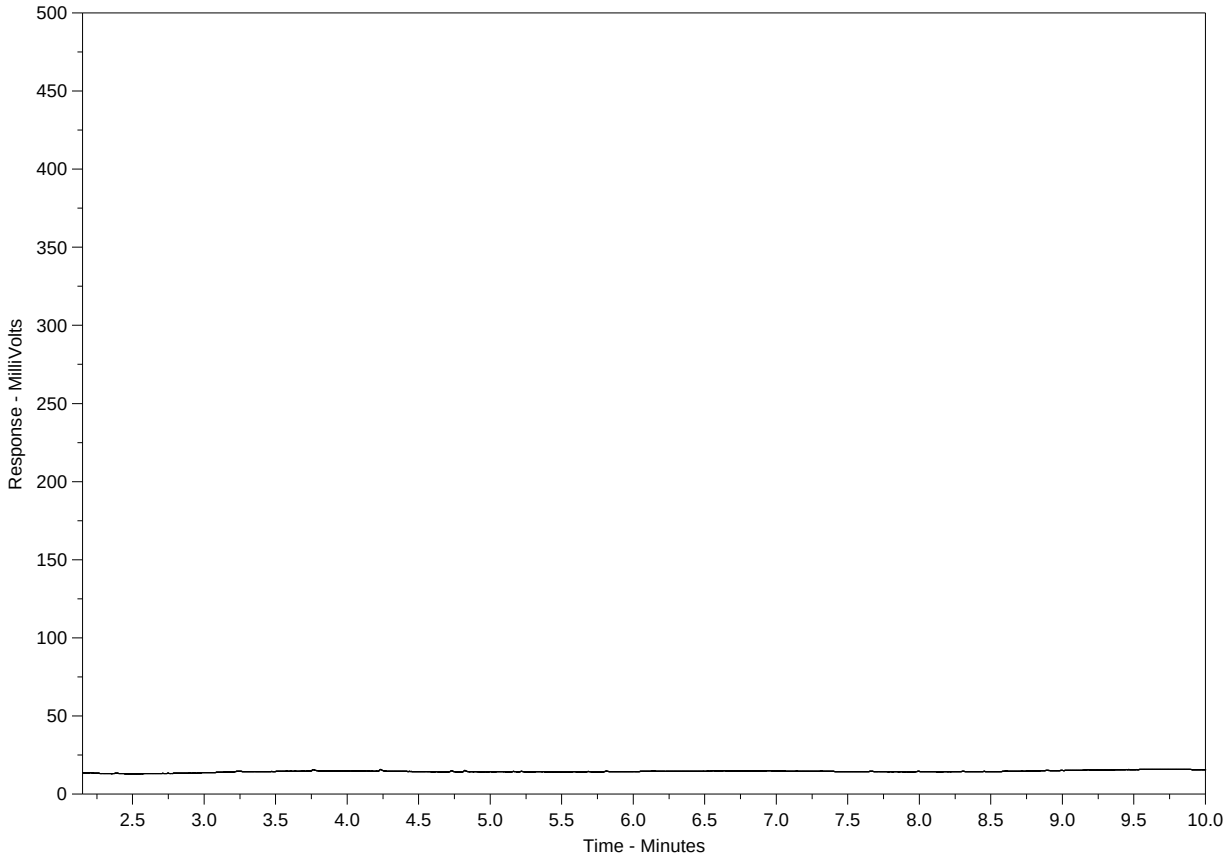
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

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Hydrocarbon Distribution Report

ALS Sample ID: L1804184-19
Client Sample ID: 2016-050-669



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

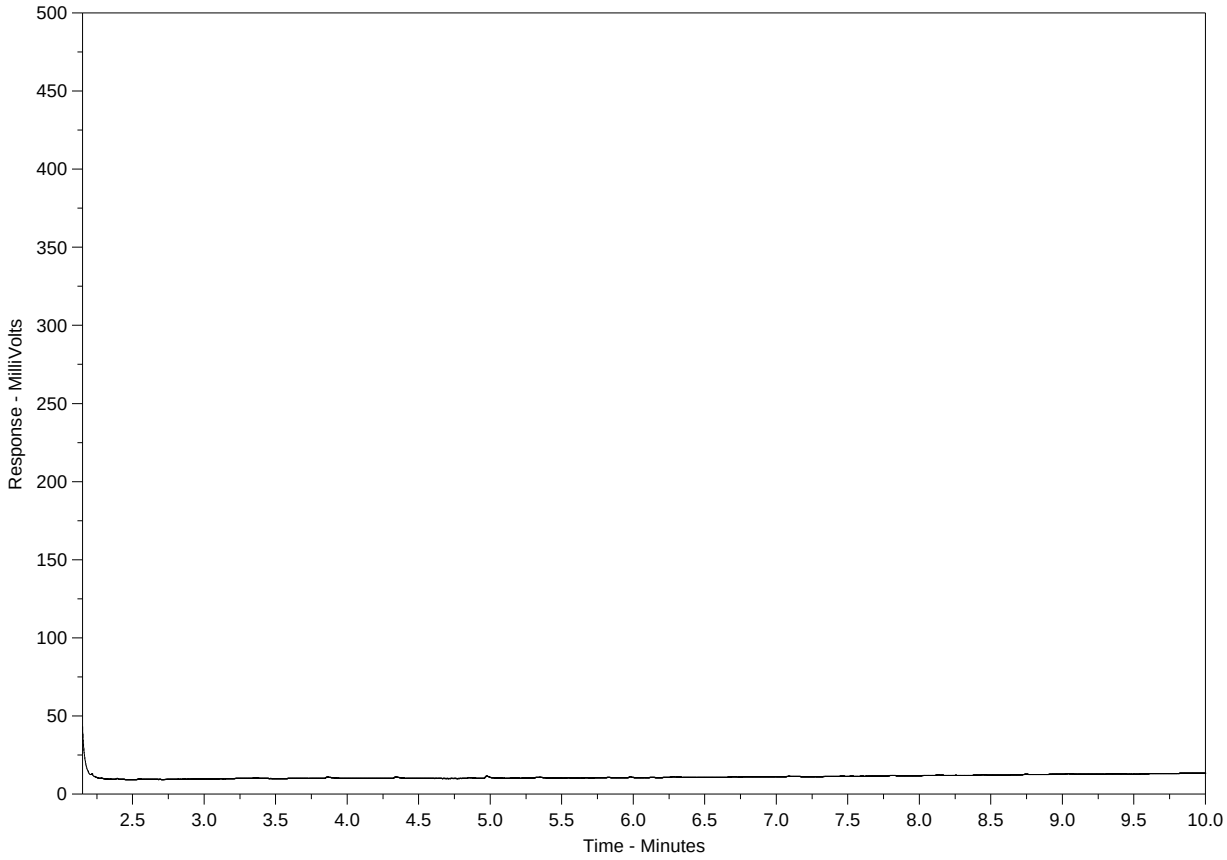
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-20
Client Sample ID: 2016-050-670



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

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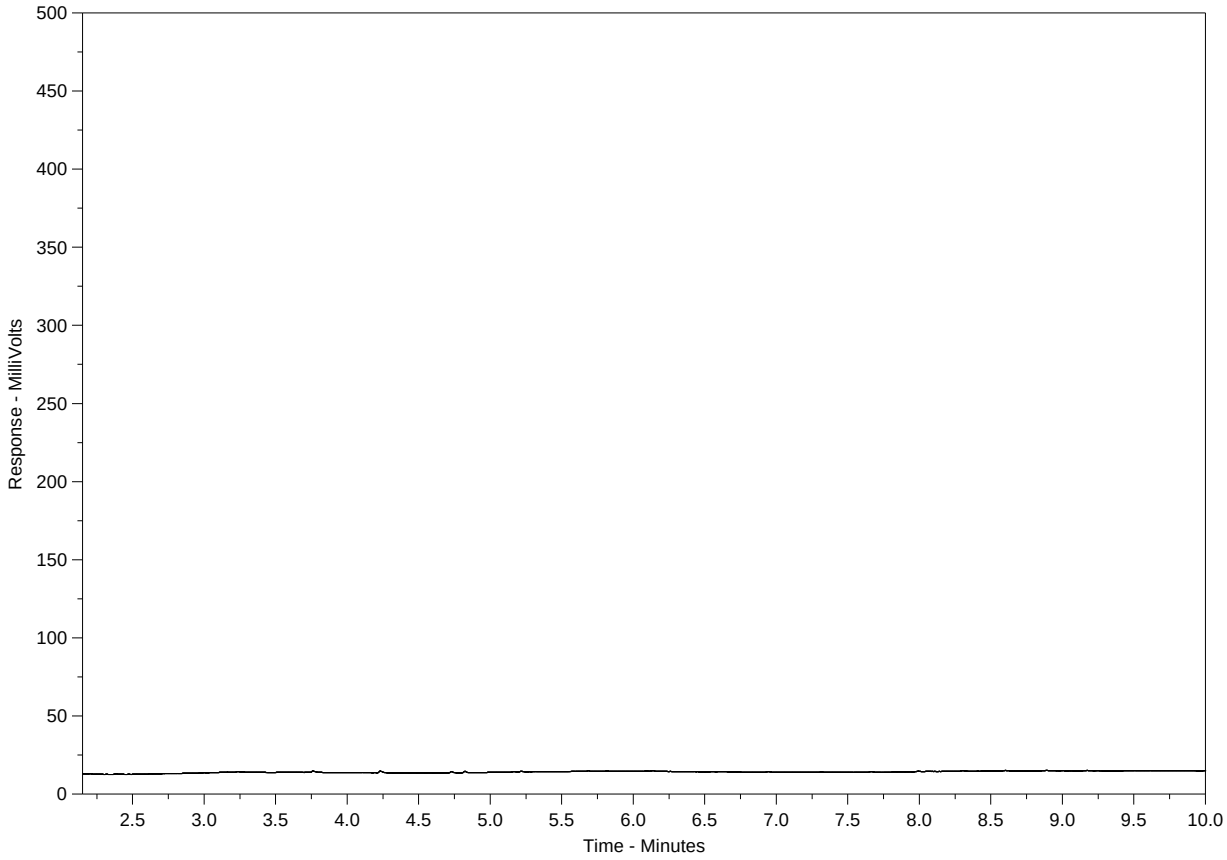
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-21
Client Sample ID: 2016-050-671



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

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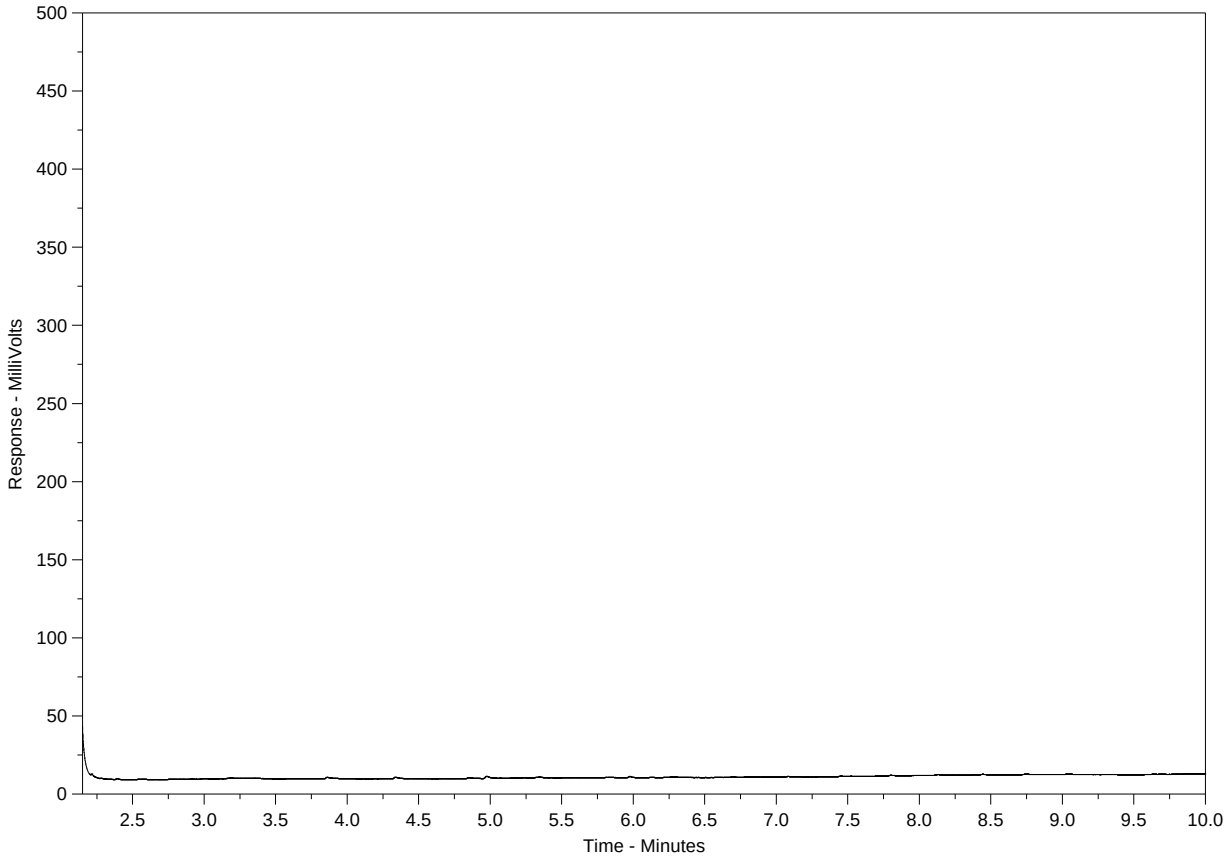
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-22
Client Sample ID: 2016-050-672



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

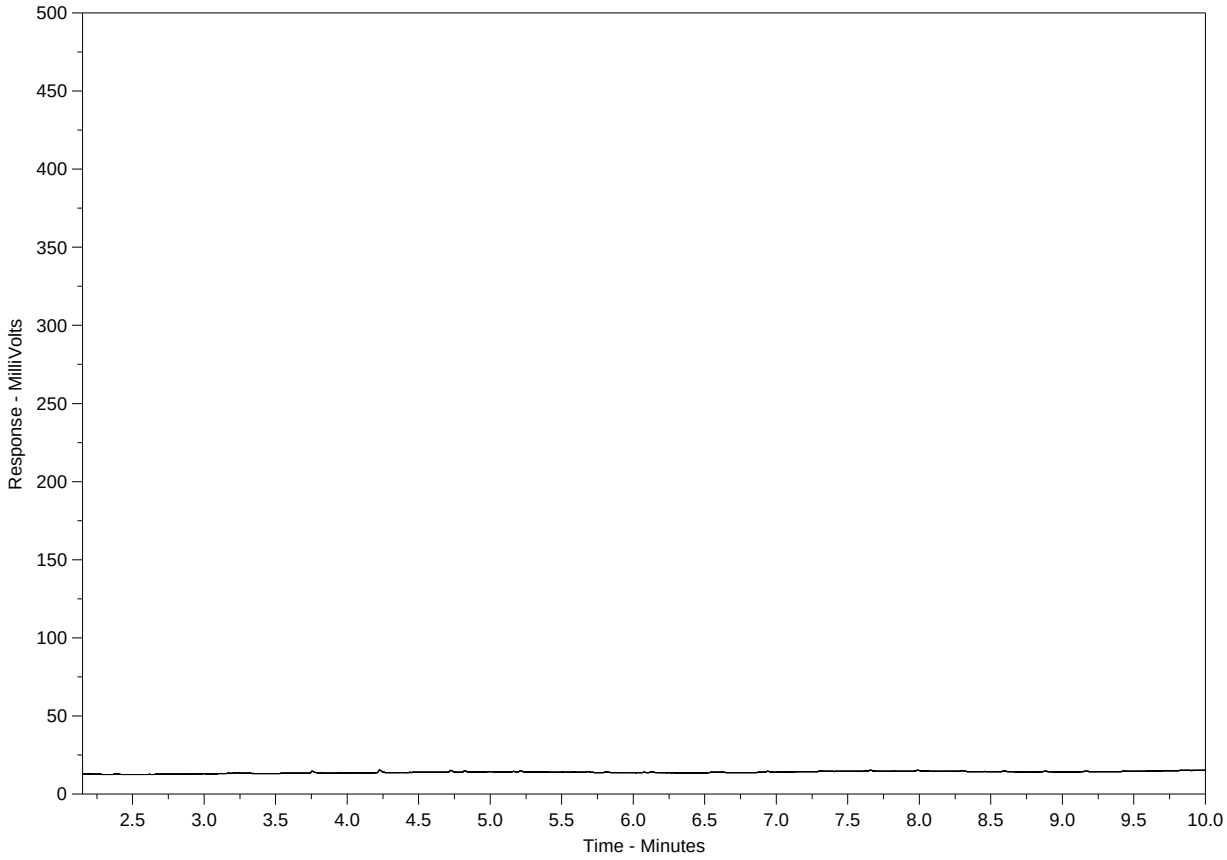
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-23
Client Sample ID: 2016-050-673



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

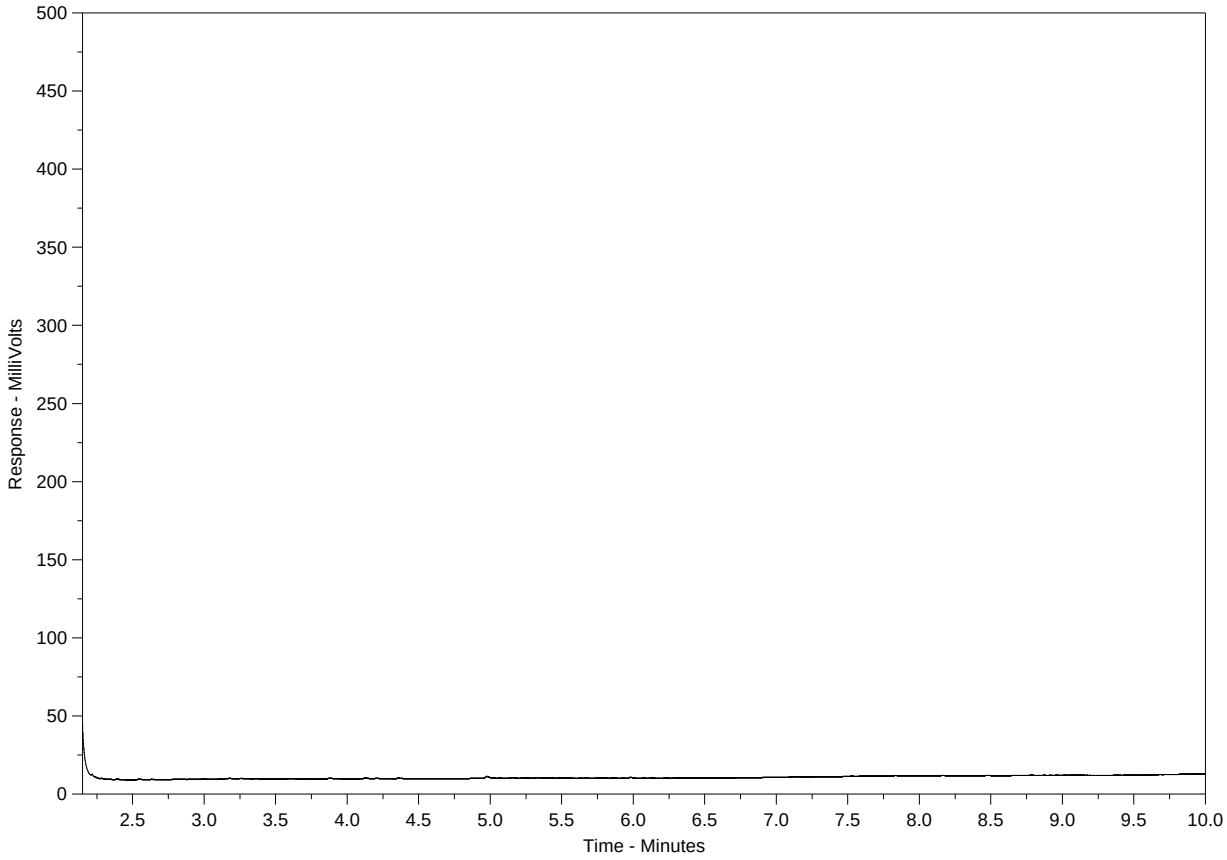
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1804184-24
Client Sample ID: 2016-050-674



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

ALS Environmental
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1988 Triumph Street, Vancouver, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, Calgary, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, Fort St. John, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

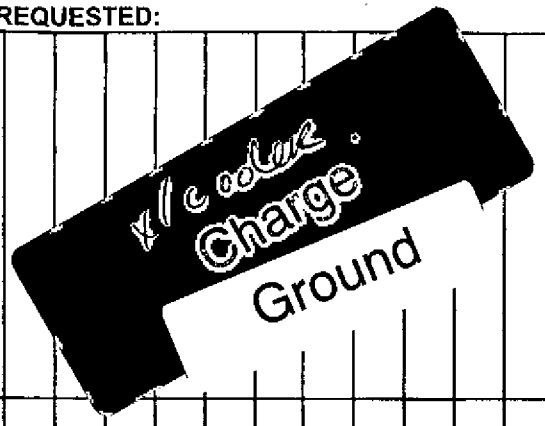
CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS:				salcock@crd.bc.ca; ktorney@cr
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER:				CRD Excel Results

ANALYSIS REQUESTED:

		SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY	1	2016-050-628	2016-07-25	10:22	water	X	X	Drinking Water
	2	2016-050-629	2016-07-25	10:25	water	X	X	Drinking Water
	3	2016-050-630	2016-07-25	10:32	water	X	X	Drinking Water
	4	2016-050-631	2016-07-25	10:47	water	X	X	Drinking Water
	5	2016-050-632	2016-07-25	10:51	water	X	X	Drinking Water
	6	2016-050-633	2016-07-25	10:54	water	X	X	Drinking Water
	7	2016-050-634	2016-07-25	10:57	water	X	X	Drinking Water
	9	2016-050-658	2016-07-25	10:57	water	X	X	Drinking Water
	4	2016-050-659	2016-07-25	11:18	water	X	X	Drinking Water
	10	2016-050-660	2016-07-25	11:20	water	X	X	Drinking Water





TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)						
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)						
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX						
SPECIAL INSTRUCTIONS:		RELINQUISHED BY: Shelley Alcock	DATE: 2016-07-25 TIME: 13:27	RECEIVED BY:	DATE: July 25 TIME: 14:00		
		RELINQUISHED BY: SF	DATE: Jul 26 TIME: 10:45	RECEIVED BY: 8/8	DATE: TIME:		

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____°C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

ALS Environmental
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1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286

www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT:	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY 11	2016-050-661	2016-07-25	11:24	water	X	X	Drinking Water
12	2016-050-662	2016-07-25	11:44	water	X	X	Drinking Water
13	2016-050-663	2016-07-25	11:45	water	X	X	Drinking Water
14	2016-050-664	2016-07-25	11:52	water	X	X	Drinking Water
15	2016-050-665	2016-07-25	11:54	water	X	X	Drinking Water
16	2016-050-666	2016-07-25	11:56	water	X	X	Drinking Water
17	2016-050-667	2016-07-25	12:08	water	X	X	Drinking Water
18	2016-050-668	2016-07-25	12:13	water	X	X	Drinking Water
19	2016-050-669	2016-07-25	12:14	water	X	X	Drinking water
20	2016-050-670	2016-07-25	12:15	water	X	X	Drinking water



TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO: ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT: ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	DATE: 2016-07-25	RECEIVED BY:	DATE: July 25
Shelley Alcock	TIME: 13:32	Krista	TIME: 14:00
RELINQUISHED BY:	DATE: July 28	RECEIVED BY:	DATE:
SF	TIME: 12:45	3/8°C	TIME:

FOR LAB USE ONLY

Cooler Seal Intact? ___Yes ___No ___N/A	Sample Temperature: ____°C Frozen? ___Yes ___No	Cooling Method? ___Icepacks ___Ice ___None

ALS Environmental *excellence in analytical testing*

1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
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#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	NOTES (sample specific comments, due dates, etc.)
21	2016-050-671	2016-07-25	12:15	water	X	X	Drinking Water
22	2016-050-672	2016-07-25	12:17	water	X	X	Drinking Water
23	2016-050-673	2016-07-25	12:17	water	X	X	Drinking Water
24	2016-050-674	2016-07-25	13:05	water	X	X	Drinking Water

L1804184-COFC

TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY: Shelley Alcock	DATE: 2016-07-25	RECEIVED BY: Krista	DATE: July 25
			TIME: 13:32		TIME: 14:00
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE: July 26	RECEIVED BY:	DATE:
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX		TIME: 12:15	8/8	TIME:

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____°C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

CAPITAL REGIONAL DISTRICT
ATTN: Korene Torney
625 Fisgard Street
VICTORIA BC V8W 1R7

Date Received: 26-OCT-16
Report Date: 04-NOV-16 14:46 (MT)
Version: FINAL

Client Phone: 250-360-3214

Certificate of Analysis

Lab Work Order #: L1849230

Project P.O. #: MILLSTREAM DOMESTIC WELLS
Job Reference:
C of C Numbers:
Legal Site Desc:

Amber Springer, B.Sc
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1849230-1	L1849230-2	L1849230-3	L1849230-4	L1849230-5
Description	WATER	WATER	WATER	WATER	WATER
Sampled Date	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16
Sampled Time	09:14		09:25	09:43	09:48
Client ID	2016-050-675	2016-050-676	2016-050-677	2016-050-678	2016-050-679
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds / Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichlorobenzene (mg/L)	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070
1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1849230-6 WATER 25-OCT-16 09:51 2016-050-680	L1849230-7 WATER 25-OCT-16 09:59 2016-050-681	L1849230-8 WATER 25-OCT-16 10:19 2016-050-682	L1849230-9 WATER 25-OCT-16 10:24 2016-050-683	L1849230-10 WATER 25-OCT-16 10:32 2016-050-684
WATER						
Volatile Organic Compounds	Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Chloroform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	1,2-Dichlorobenzene (mg/L)	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070
	1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
	Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Toluene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1849230-11	L1849230-12	L1849230-13	L1849230-14	L1849230-15
Description	WATER	WATER	WATER	WATER	WATER
Sampled Date	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16
Sampled Time	10:32	11:03	11:07	11:14	11:14
Client ID	2016-050-685	2016-050-686	2016-050-687	2016-050-688	2016-050-689
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds / Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bromodichloromethane (mg/L)	<0.0010	0.0072	0.0089	<0.0010	<0.0010
Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dibromochloromethane (mg/L)	<0.0010	0.0051	0.0063	<0.0010	<0.0010
Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform (mg/L)	<0.0010	0.0092	0.0099	<0.0010	<0.0010
Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichlorobenzene (mg/L)	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070
1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1849230-16	L1849230-17	L1849230-18	L1849230-19	L1849230-20
Description	WATER	WATER	WATER	WATER	WATER
Sampled Date	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16
Sampled Time	11:17	11:20	11:31	11:35	11:37
Client ID	2016-050-690	2016-050-691	2016-050-692	2016-050-693	2016-050-694
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds / Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform (mg/L)	0.0035	<0.0010	<0.0010	<0.0010	<0.0010
Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichlorobenzene (mg/L)	<0.00070	<0.00070	<0.00070	<0.00070	<0.00070
1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1849230-21	L1849230-22	L1849230-23		
	Description	WATER	WATER	WATER		
	Sampled Date	25-OCT-16	25-OCT-16	25-OCT-16		
	Sampled Time	11:44	11:47	13:04		
	Client ID	2016-050-695	2016-050-696	2016-050-697		
Grouping	**Analyte**					
WATER						
Volatile Organic Compounds	Benzene (mg/L)	<0.00050	<0.00050	<0.00050		
	Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010		
	Bromoform (mg/L)	<0.0010	<0.0010	<0.0010		
	Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050		
	Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010		
	Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010		
	Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010		
	Chloroform (mg/L)	<0.0010	<0.0010	<0.0010		
	Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050		
	1,2-Dichlorobenzene (mg/L)	<0.00070	<0.00070	<0.00070		
	1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010		
	1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010		
	1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010		
	1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010		
	1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010		
	cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010		
	trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010		
	Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050		
	1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010		
	cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010		
	trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010		
	1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014		
	Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050		
	Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050		
	Styrene (mg/L)	<0.00050	<0.00050	<0.00050		
	1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010		
	1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010		
	Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010		
	Toluene (mg/L)	<0.00050	<0.00050	<0.00050		
	1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010		
	1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010		
	Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010		
	Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010		
	Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010		
	ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050		
	meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050		
	Xylenes (mg/L)	<0.00075	<0.00075	<0.00075		

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1849230-1	L1849230-2	L1849230-3	L1849230-4	L1849230-5
	Description	WATER	WATER	WATER	WATER	WATER
	Sampled Date	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16
	Sampled Time	09:14		09:25	09:43	09:48
	Client ID	2016-050-675	2016-050-676	2016-050-677	2016-050-678	2016-050-679
Grouping	**Analyte**					
WATER						
Volatile Organic Compounds	Surrogate: 4-Bromofluorobenzene (SS) (%)	96.7	97.2	95.9	93.9	96.2
	Surrogate: 1,4-Difluorobenzene (SS) (%)	102.3	104.2	102.2	100.1	99.0
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	124.2	107.4	104.8	105.3	105.0
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	129.2	120.9	112.1	99.7	105.9
	Surrogate: Chrysene d12 (%)	117.2	115.6	114.3	98.8	102.8
	Surrogate: Naphthalene d8 (%)	126.4	125.9	105.9	117.2	116.5
	Surrogate: Phenanthrene d10 (%)	128.6	115.1	109.4	97.7	100.1

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1849230-6	L1849230-7	L1849230-8	L1849230-9	L1849230-10
Description	WATER	WATER	WATER	WATER	WATER
Sampled Date	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16	25-OCT-16
Sampled Time	09:51	09:59	10:19	10:24	10:32
Client ID	2016-050-680	2016-050-681	2016-050-682	2016-050-683	2016-050-684
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds — Surrogate: 4-Bromofluorobenzene (SS) (%)	95.3	91.3	95.8	94.3	94.8
Surrogate: 1,4-Difluorobenzene (SS) (%)	102.3	106.7	102.2	104.6	99.6
Hydrocarbons — EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
Surrogate: 2-Bromobenzotrifluoride (%)	100.0	100.6	97.5	105.2	105.9
Polycyclic Aromatic Hydrocarbons — Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Surrogate: Acridine d9 (%)	110.6	111.6	113.4	109.1	106.1
Surrogate: Chrysene d12 (%)	104.8	110.2	103.4	100.3	106.4
Surrogate: Naphthalene d8 (%)	116.4	120.8	120.9	118.3	110.6
Surrogate: Phenanthrene d10 (%)	109.6	102.6	102.2	101.7	100.2

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1849230-11 WATER 25-OCT-16 10:32 2016-050-685	L1849230-12 WATER 25-OCT-16 11:03 2016-050-686	L1849230-13 WATER 25-OCT-16 11:07 2016-050-687	L1849230-14 WATER 25-OCT-16 11:14 2016-050-688	L1849230-15 WATER 25-OCT-16 11:14 2016-050-689
WATER						
Volatile Organic Compounds	Surrogate: 4-Bromofluorobenzene (SS) (%)	93.9	94.4	93.3	95.2	94.6
	Surrogate: 1,4-Difluorobenzene (SS) (%)	95.4	102.5	99.7	104.2	101.7
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	107.6	100.9	100.9	104.7	101.5
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	116.7	110.1	101.3	112.4	98.1
	Surrogate: Chrysene d12 (%)	109.5	113.6	109.1	113.4	121.1
	Surrogate: Naphthalene d8 (%)	120.6	115.7	113.1	121.5	89.3
	Surrogate: Phenanthrene d10 (%)	110.6	110.3	105.1	108.1	118.3

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1849230-16 WATER 25-OCT-16 11:17 2016-050-690	L1849230-17 WATER 25-OCT-16 11:20 2016-050-691	L1849230-18 WATER 25-OCT-16 11:31 2016-050-692	L1849230-19 WATER 25-OCT-16 11:35 2016-050-693	L1849230-20 WATER 25-OCT-16 11:37 2016-050-694
WATER						
Volatile Organic Compounds	Surrogate: 4-Bromofluorobenzene (SS) (%)	92.7	92.0	92.0	91.5	90.1
	Surrogate: 1,4-Difluorobenzene (SS) (%)	100.7	101.1	95.2	104.5	99.4
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	100.8	104.0	102.6	97.5	93.6
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.000010 DLCI	<0.0000050	<0.0000050	<0.0000050
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	108.0	103.3	103.4	96.6	94.9
	Surrogate: Chrysene d12 (%)	107.0	114.8	113.7	99.5	96.8
	Surrogate: Naphthalene d8 (%)	96.9	83.8	103.0	87.5	82.8
	Surrogate: Phenanthrene d10 (%)	114.2	119.1	120.8	108.8	111.8

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

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1849230-21	L1849230-22	L1849230-23		
	Description	WATER	WATER	WATER		
	Sampled Date	25-OCT-16	25-OCT-16	25-OCT-16		
	Sampled Time	11:44	11:47	13:04		
	Client ID	2016-050-695	2016-050-696	2016-050-697		
Grouping	**Analyte**					
WATER						
Volatile Organic Compounds	Surrogate: 4-Bromofluorobenzene (SS) (%)	90.4	90.9	94.0		
	Surrogate: 1,4-Difluorobenzene (SS) (%)	98.9	103.0	104.1		
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25		
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25		
	LEPH (mg/L)	<0.25	<0.25	<0.25		
	HEPH (mg/L)	<0.25	<0.25	<0.25		
	Surrogate: 2-Bromobenzotrifluoride (%)	96.9	95.2	97.0		
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050		
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050		
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050		
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050		
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050		
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050		
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050		
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050		
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050		
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050		
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050		
	Surrogate: Acridine d9 (%)	102.2	105.8	116.6		
	Surrogate: Chrysene d12 (%)	106.5	102.5	104.0		
	Surrogate: Naphthalene d8 (%)	110.9	101.6	113.8		
	Surrogate: Phenanthrene d10 (%)	97.9	95.3	112.4		

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

Reference Information

Qualifiers for Individual Parameters Listed:

Qualifier	Description
DLCI	Detection Limit Raised: Chromatographic Interference due to co-elution.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.			
LEPH/HEPH-CALC-VA	Water	LEPHs and HEPHs	BC MOE LABORATORY MANUAL (2005)
Light and Heavy Extractable Petroleum Hydrocarbons in water. These results are determined according to the British Columbia Ministry of Environment, Lands, and Parks Analytical Method for Contaminated Sites "Calculation of Light and Heavy Extractable Petroleum Hydrocarbons in Solids or Water". According to this method, LEPH and HEPH are calculated by subtracting selected Polycyclic Aromatic Hydrocarbon results from Extractable Petroleum Hydrocarbon results. To calculate LEPH, the individual results for Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene are subtracted from EPH(C10-19). To calculate HEPH, the individual results for Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene are subtracted from EPH(C19-32). Analysis of Extractable Petroleum Hydrocarbons adheres to all prescribed elements of the BCMELP method "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 20, 1999).			
PAH-ME-MS-VA	Water	PAHs in Water	EPA 3511/8270D (mod)
PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.			
VOC-HSMS-VA	Water	VOCs in water by Headspace GCMS	EPA 5021A/8260C
The water sample, with added reagents, is heated in a sealed vial to equilibrium. The headspace from the vial is transferred into a gas chromatograph. Target compound concentrations are measured using mass spectrometry detection.			
VOC7-HSMS-VA	Water	BTEX/MTBE/Styrene by Headspace GCMS	EPA 5021A/8260C
The water sample, with added reagents, is heated in a sealed vial to equilibrium. The headspace from the vial is transfered into a gas chromatograph. Target compound concentrations are measured using mass spectrometry detection.			
VOC7/VOC-SURR-MS-VA	Water	VOC7 and/or VOC Surrogates for Waters	EPA 5035A/5021A/8260C
XYLENES-CALC-VA	Water	Sum of Xylene Isomer Concentrations	CALCULATION
Calculation of Total Xylenes Total Xylenes is the sum of the concentrations of the ortho, meta, and para Xylene isomers. Results below detection limit (DL) are treated as zero. The DL for Total Xylenes is set to a value no less than the square root of the sum of the squares of the DLs of the individual Xylenes.			

** 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
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

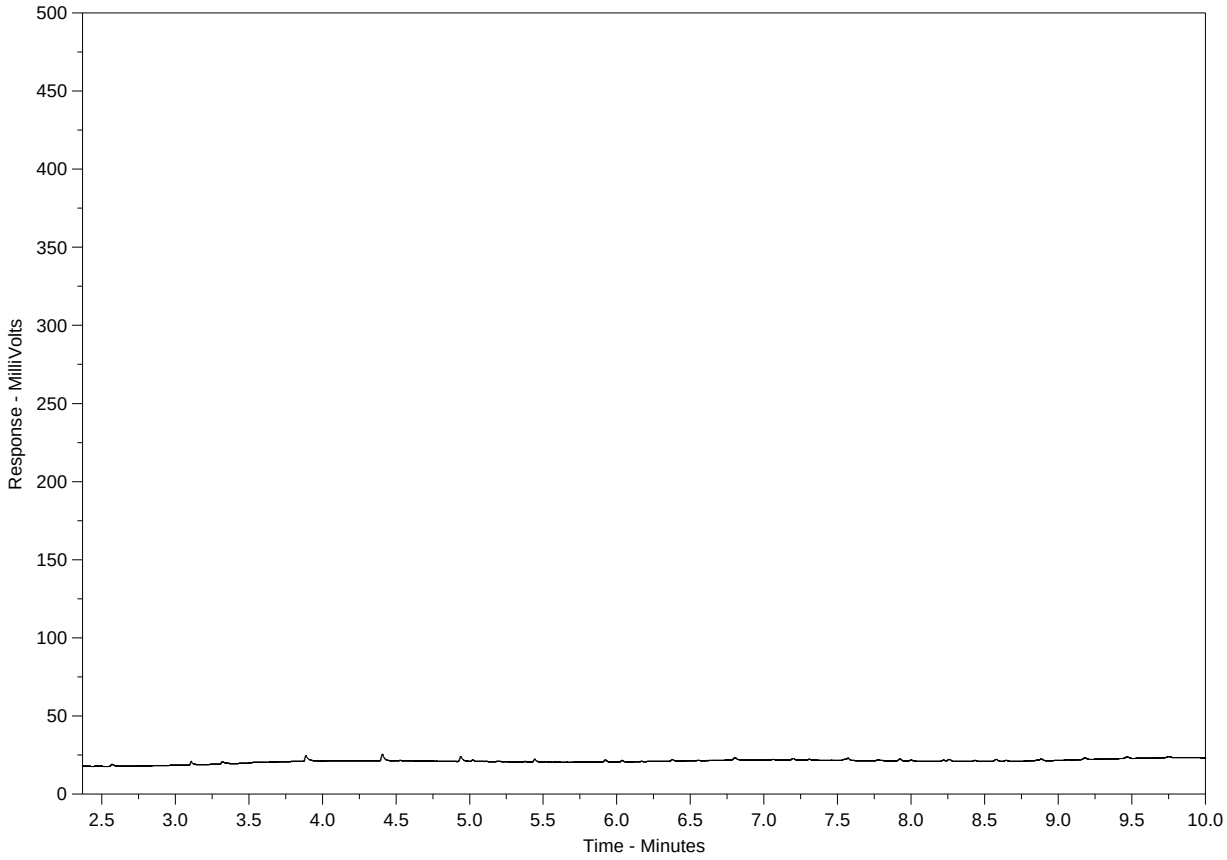
GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
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 of sample.
mg/L - milligrams per litre.
< - Less than.
D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).
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.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-1
Client Sample ID: 2016-050-675



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

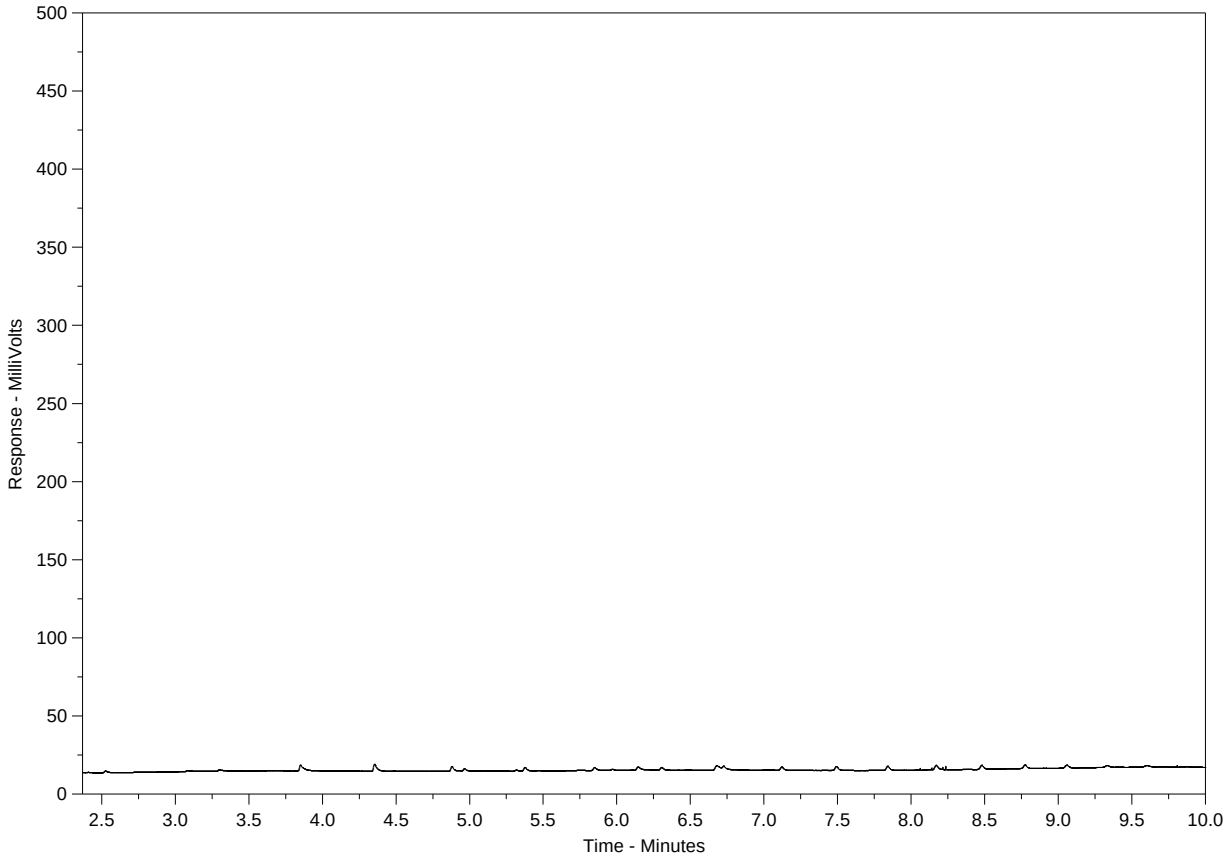
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-2
Client Sample ID: 2016-050-676



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

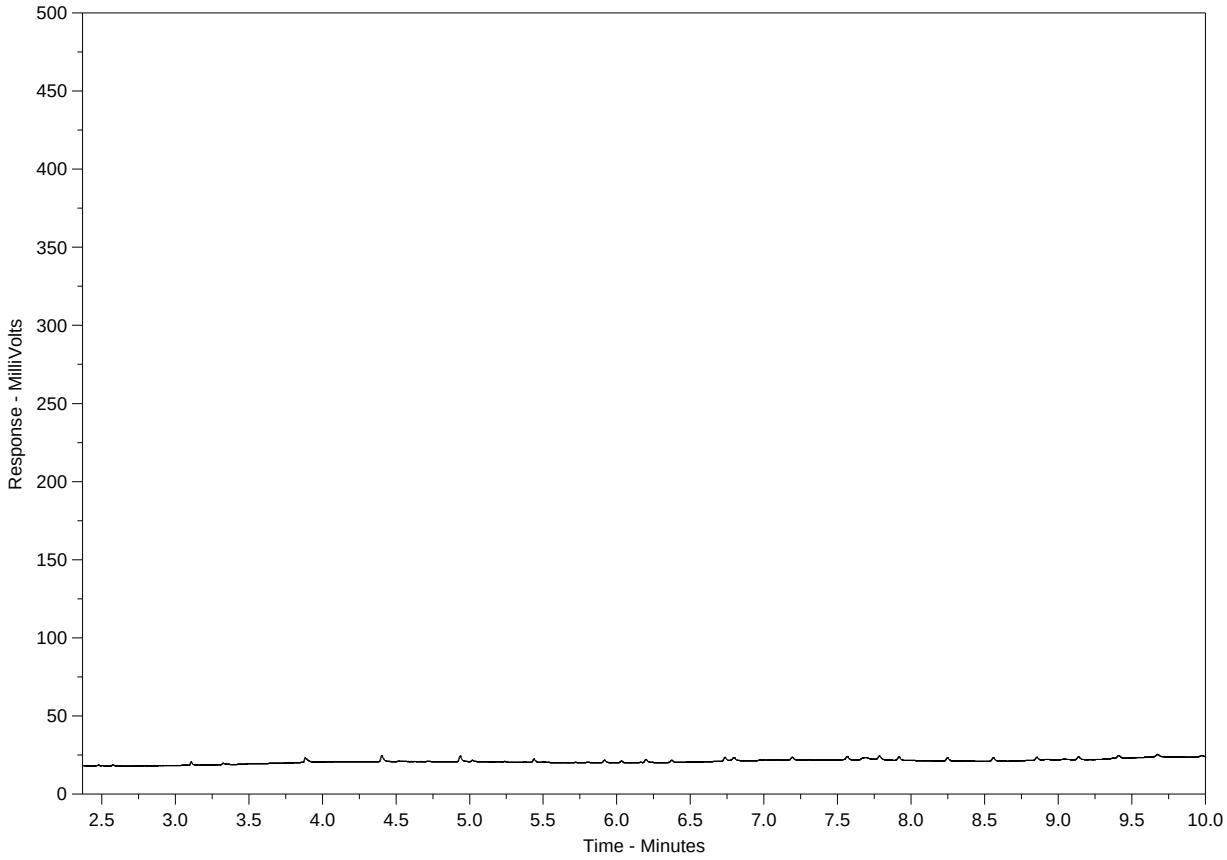
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-3
Client Sample ID: 2016-050-677



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

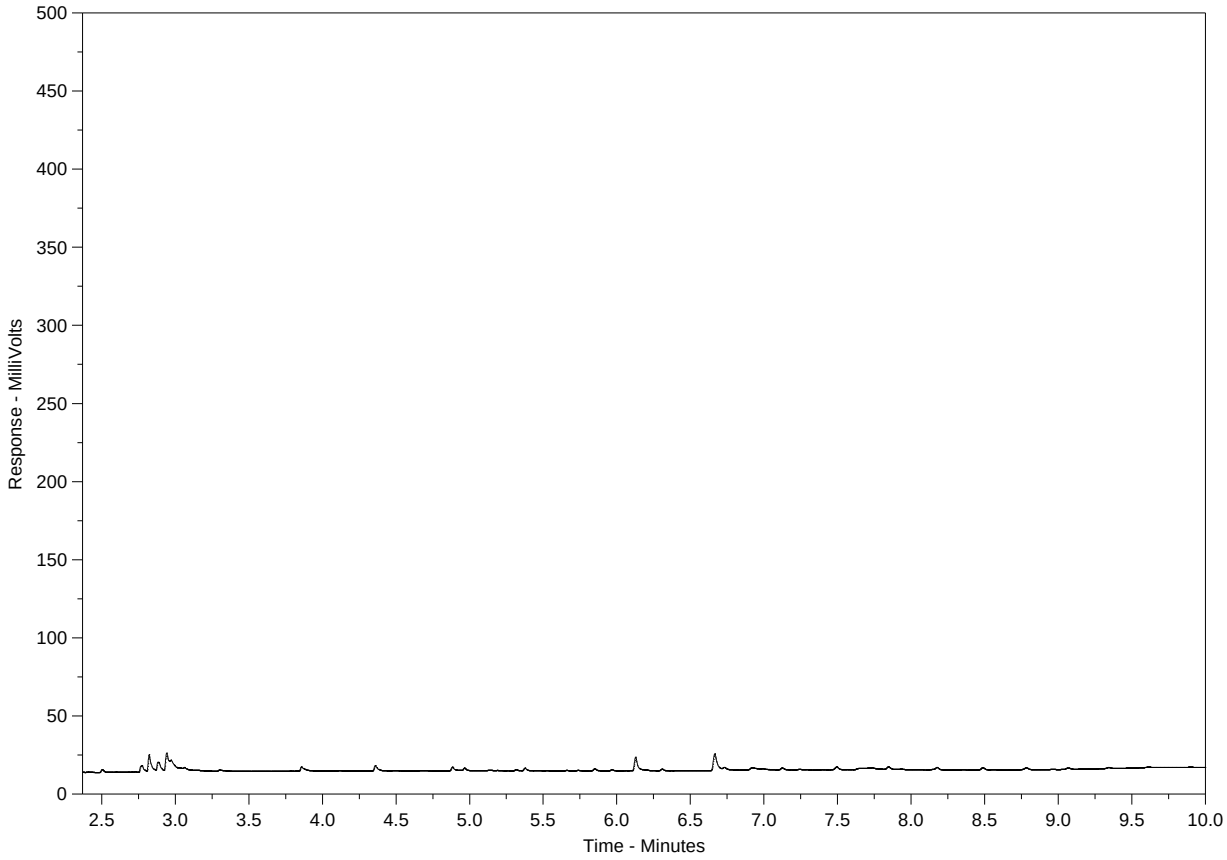
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-4
Client Sample ID: 2016-050-678



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

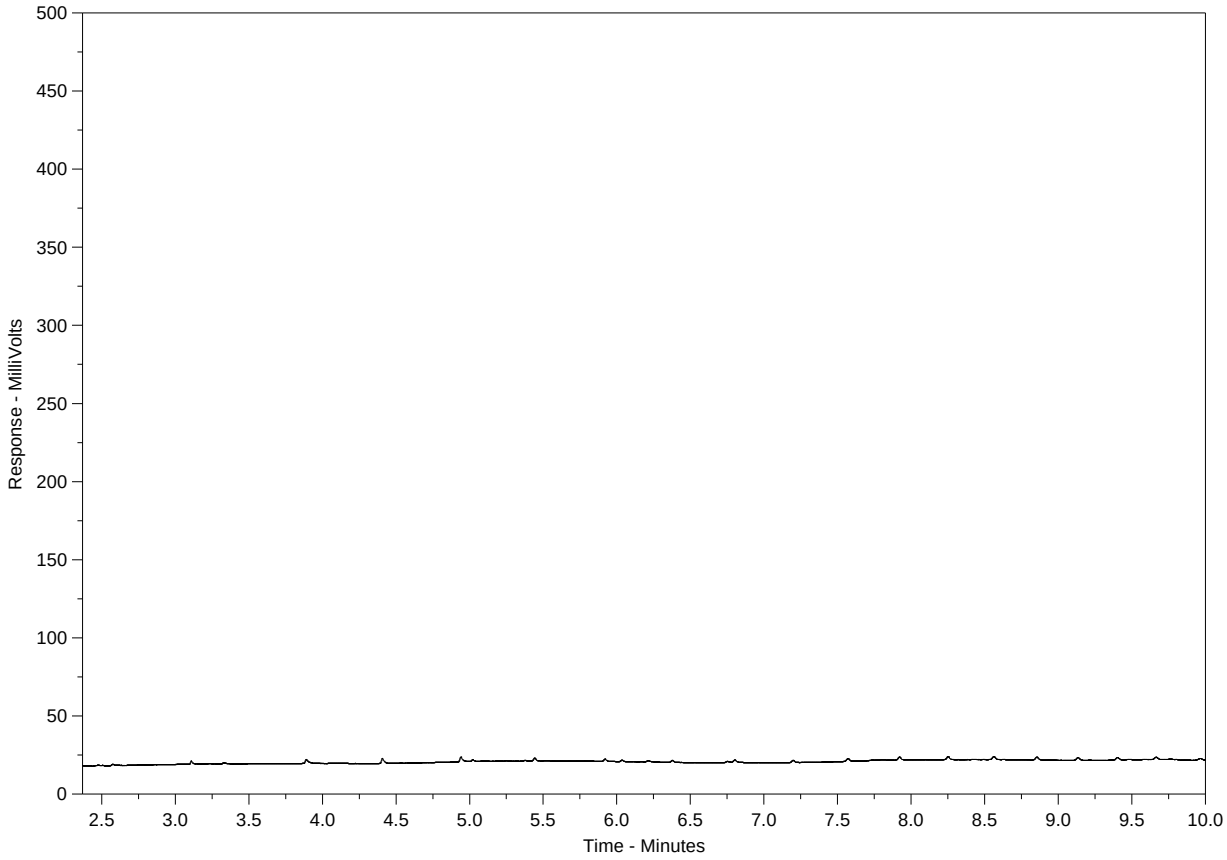
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-5
Client Sample ID: 2016-050-679



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

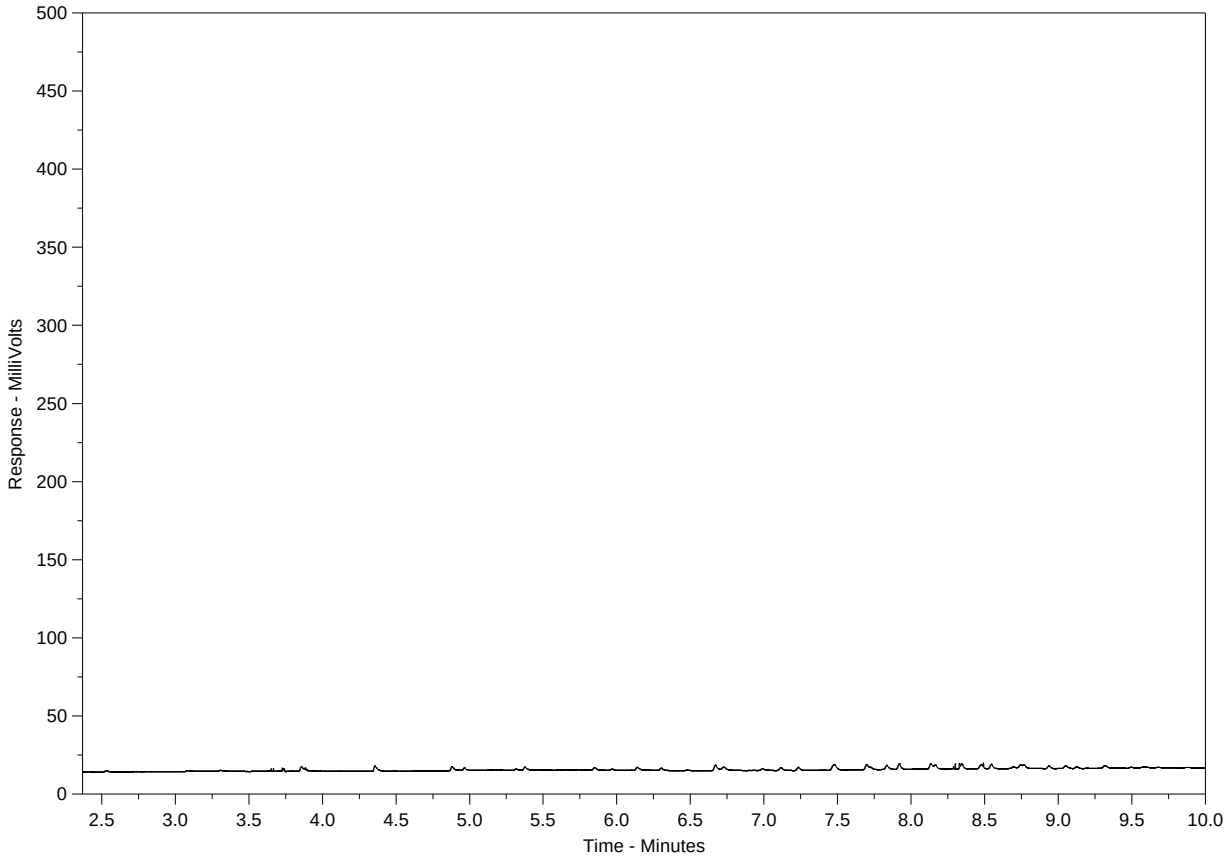
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-6
Client Sample ID: 2016-050-680



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

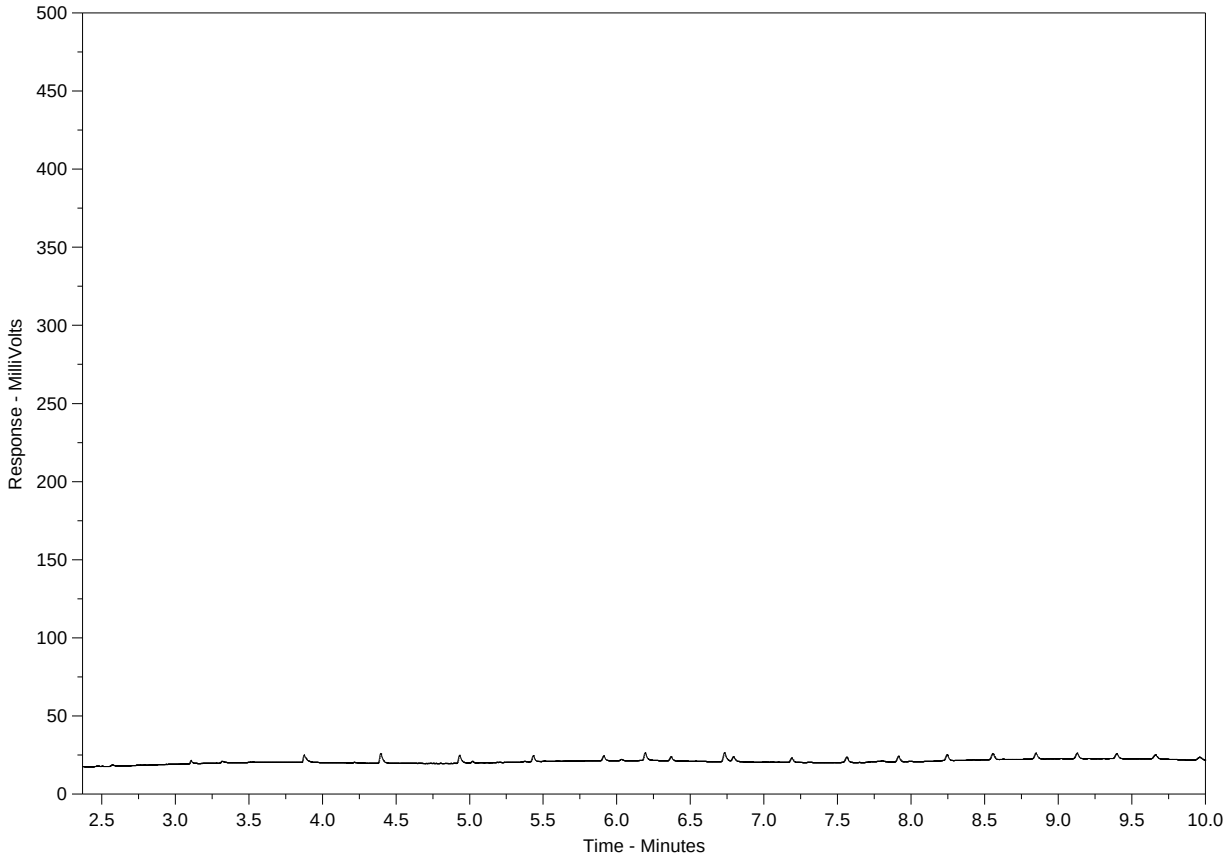
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-7
Client Sample ID: 2016-050-681



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

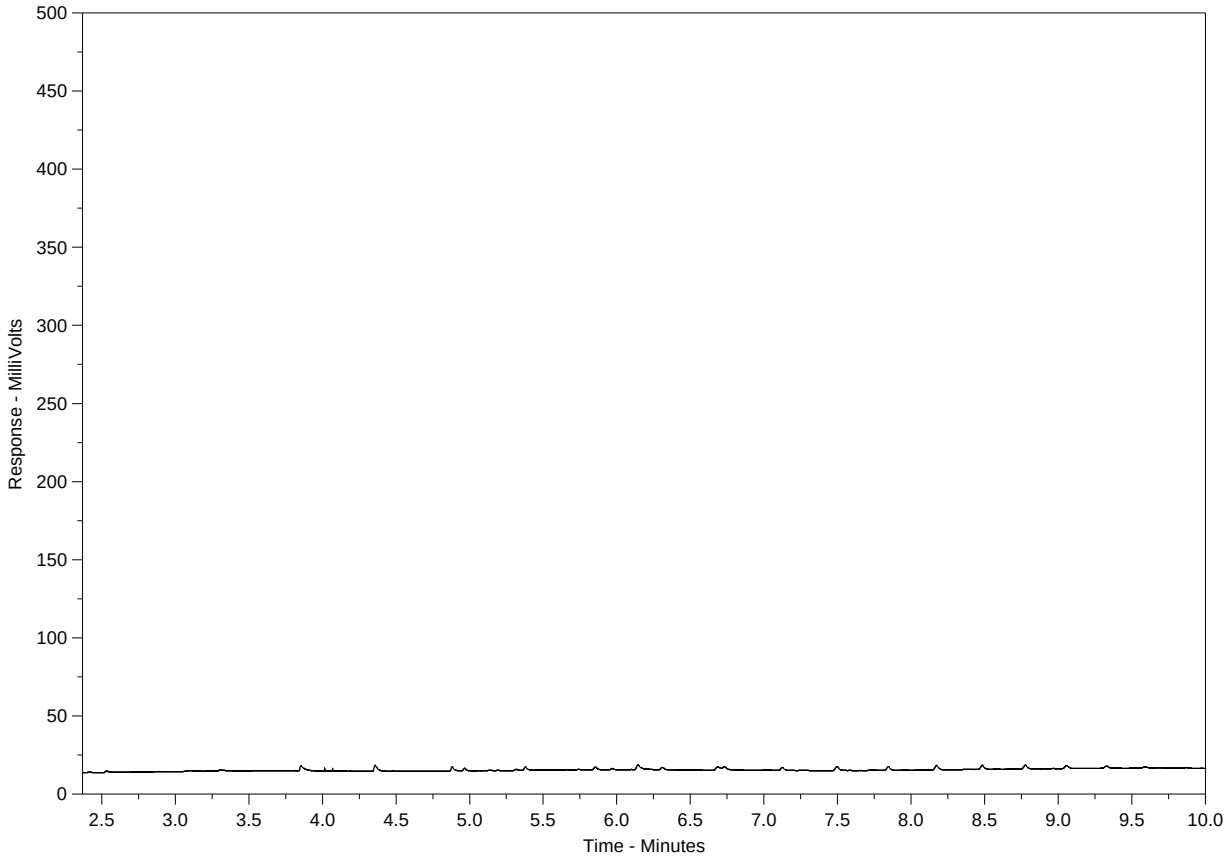
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-8
Client Sample ID: 2016-050-682



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

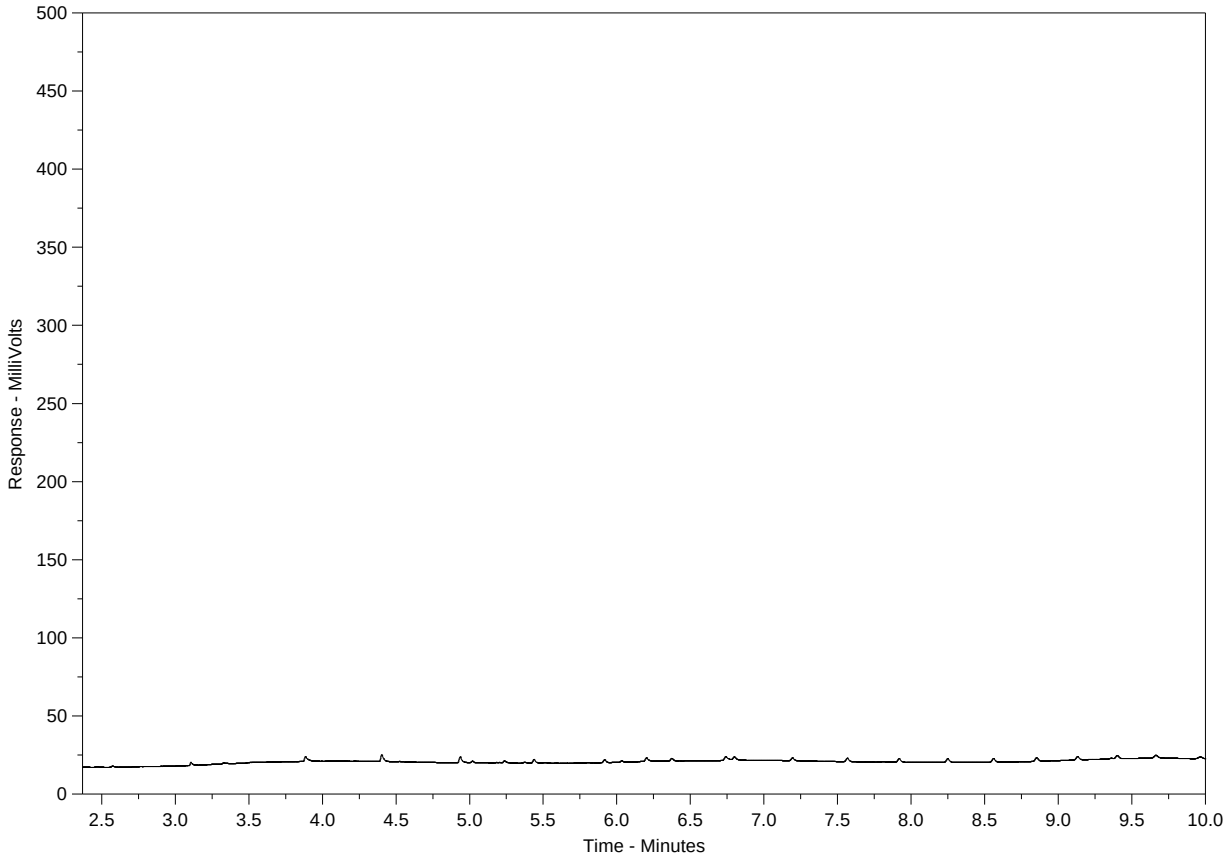
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-9
Client Sample ID: 2016-050-683



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

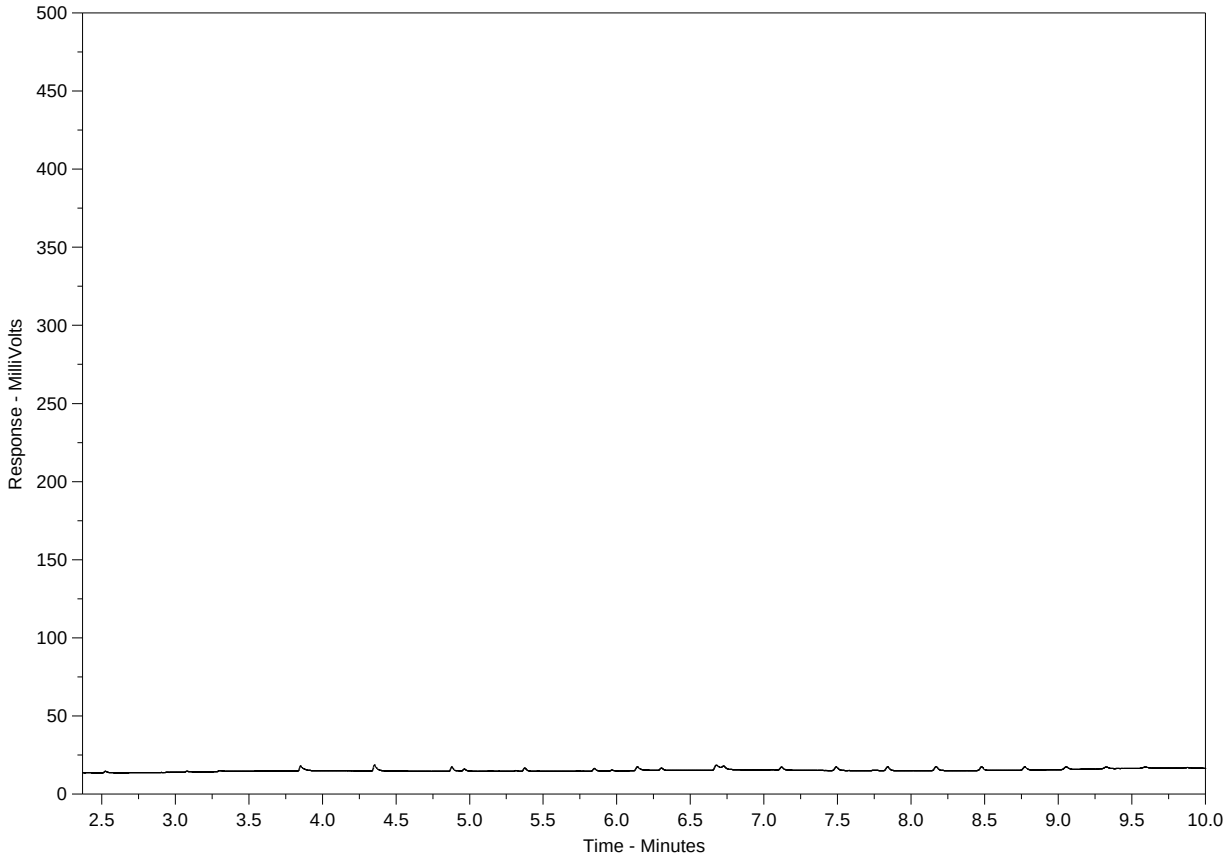
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-10
Client Sample ID: 2016-050-684



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

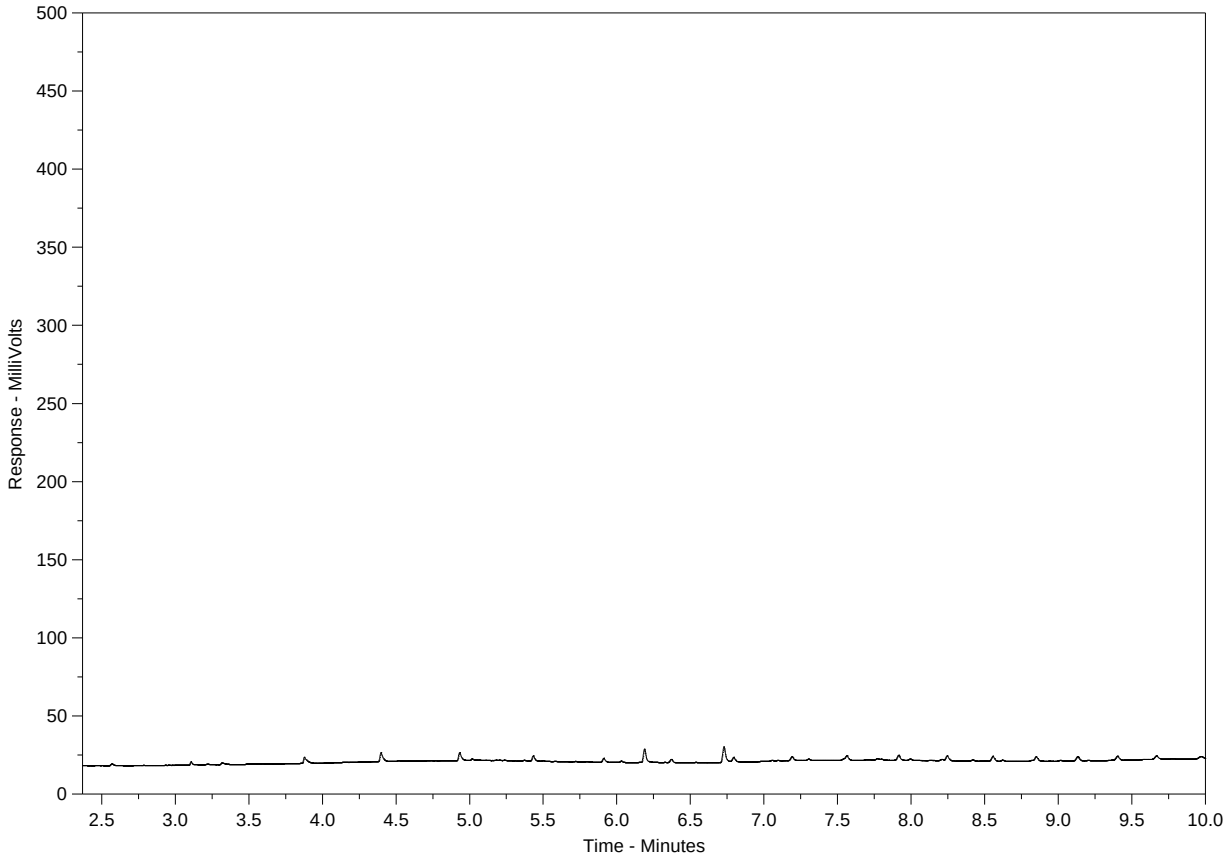
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-11
Client Sample ID: 2016-050-685



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

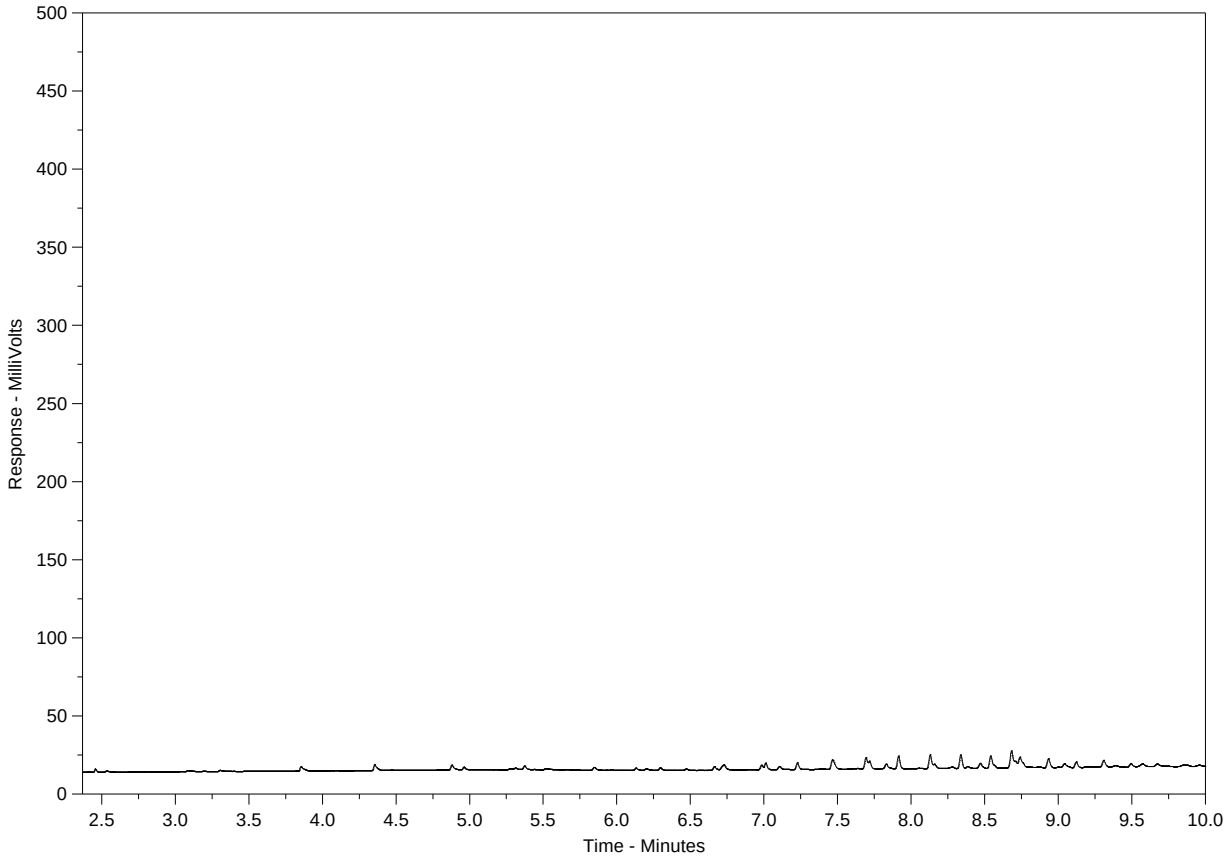
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-12
Client Sample ID: 2016-050-686



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

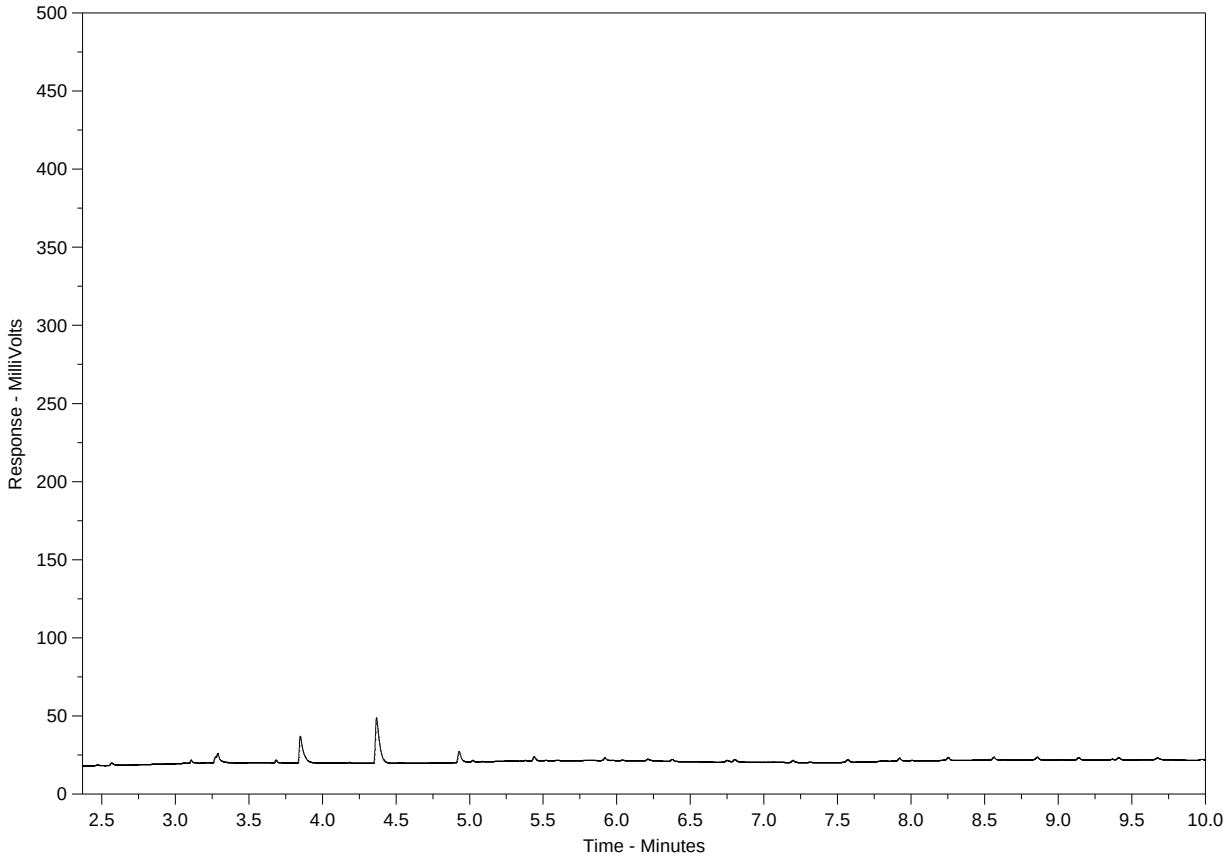
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-13
Client Sample ID: 2016-050-687



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

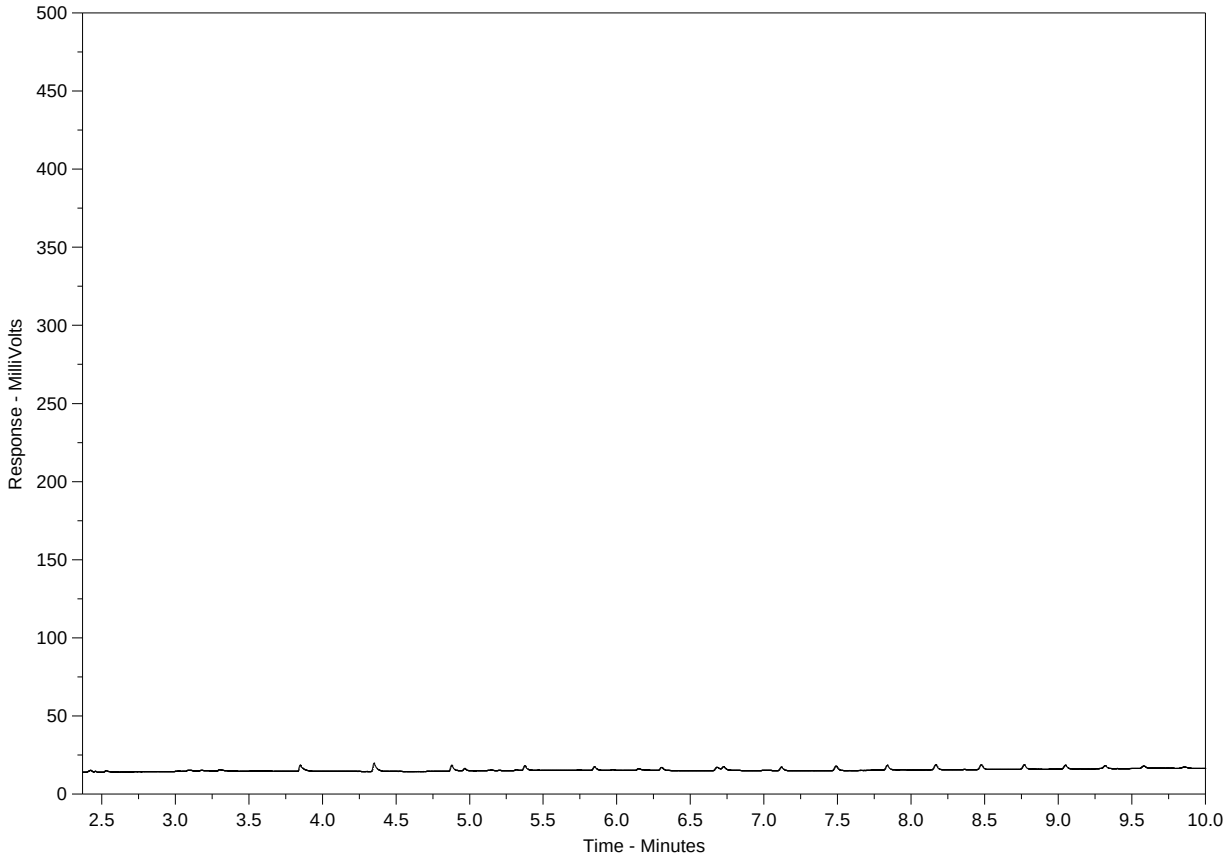
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-14
Client Sample ID: 2016-050-688



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

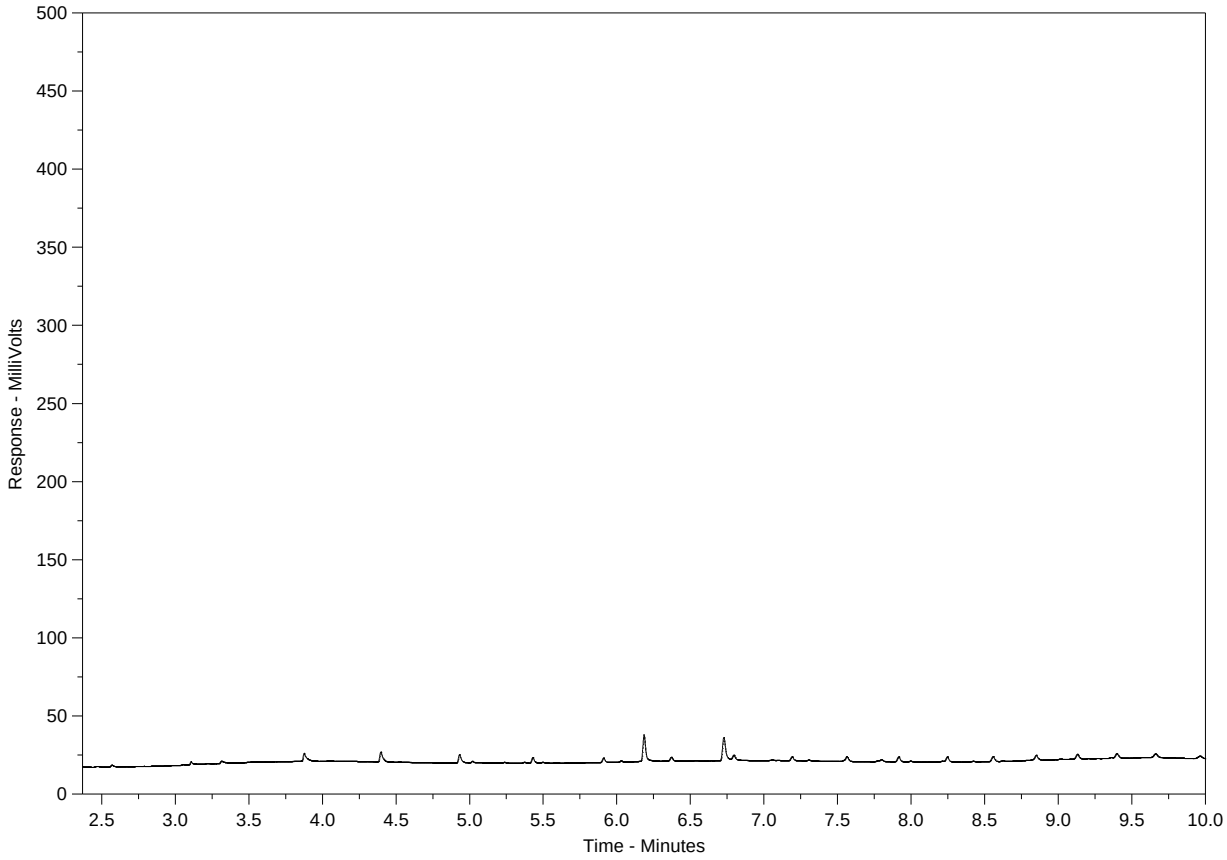
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-15
Client Sample ID: 2016-050-689



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

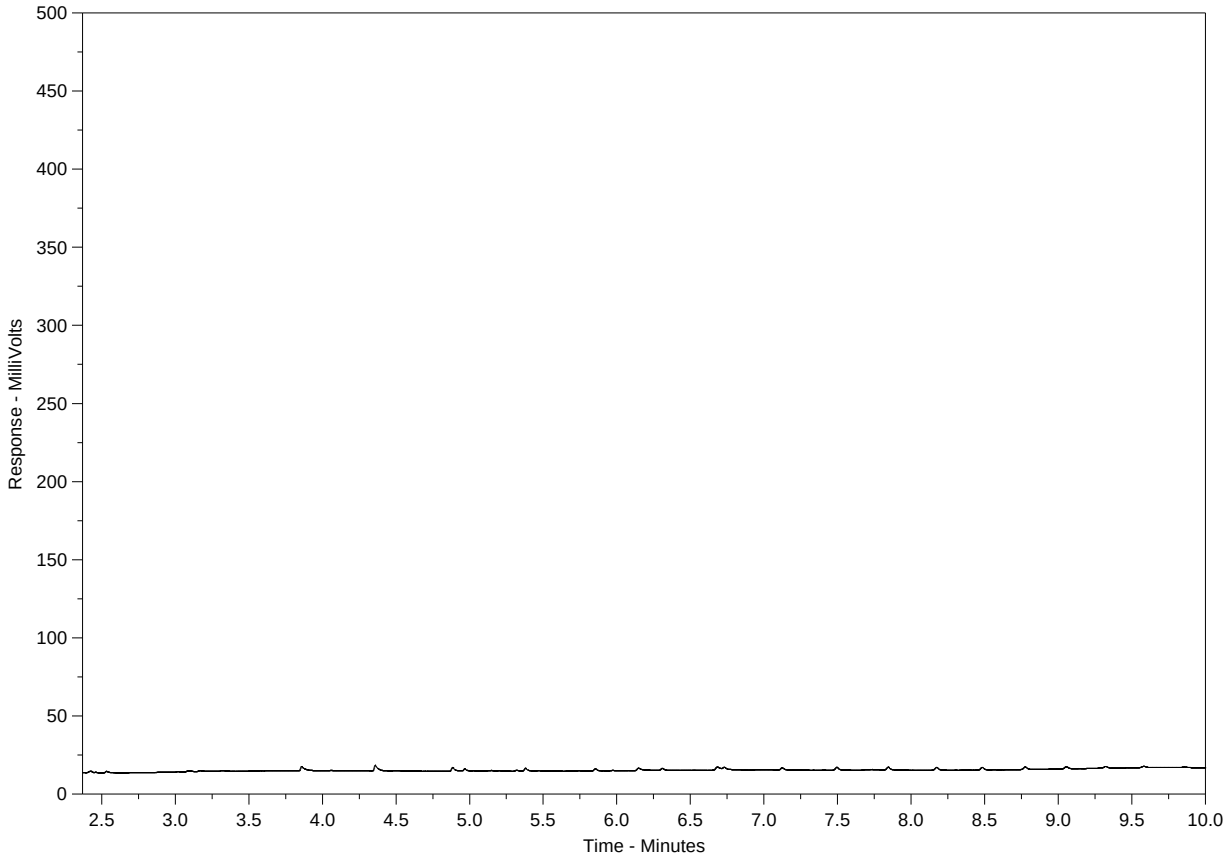
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-16
Client Sample ID: 2016-050-690



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

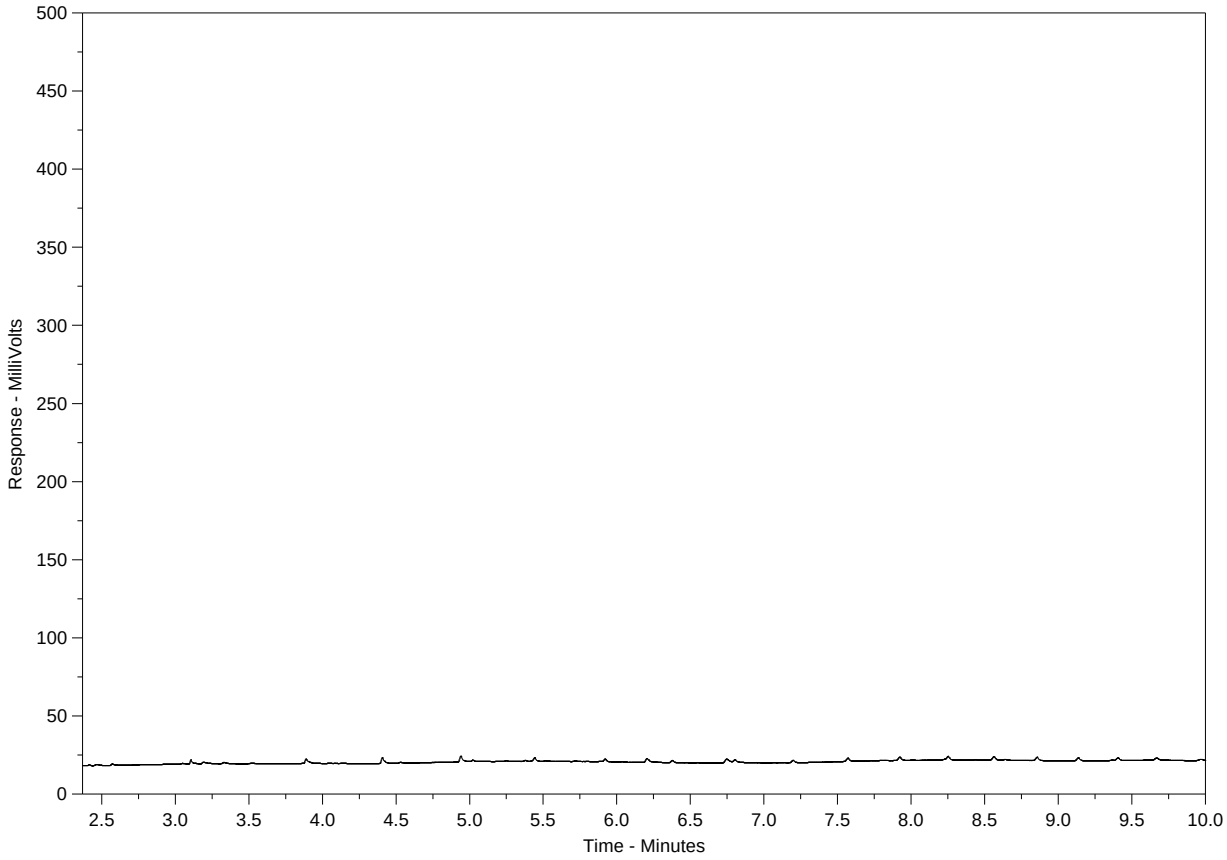
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-17
Client Sample ID: 2016-050-691



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

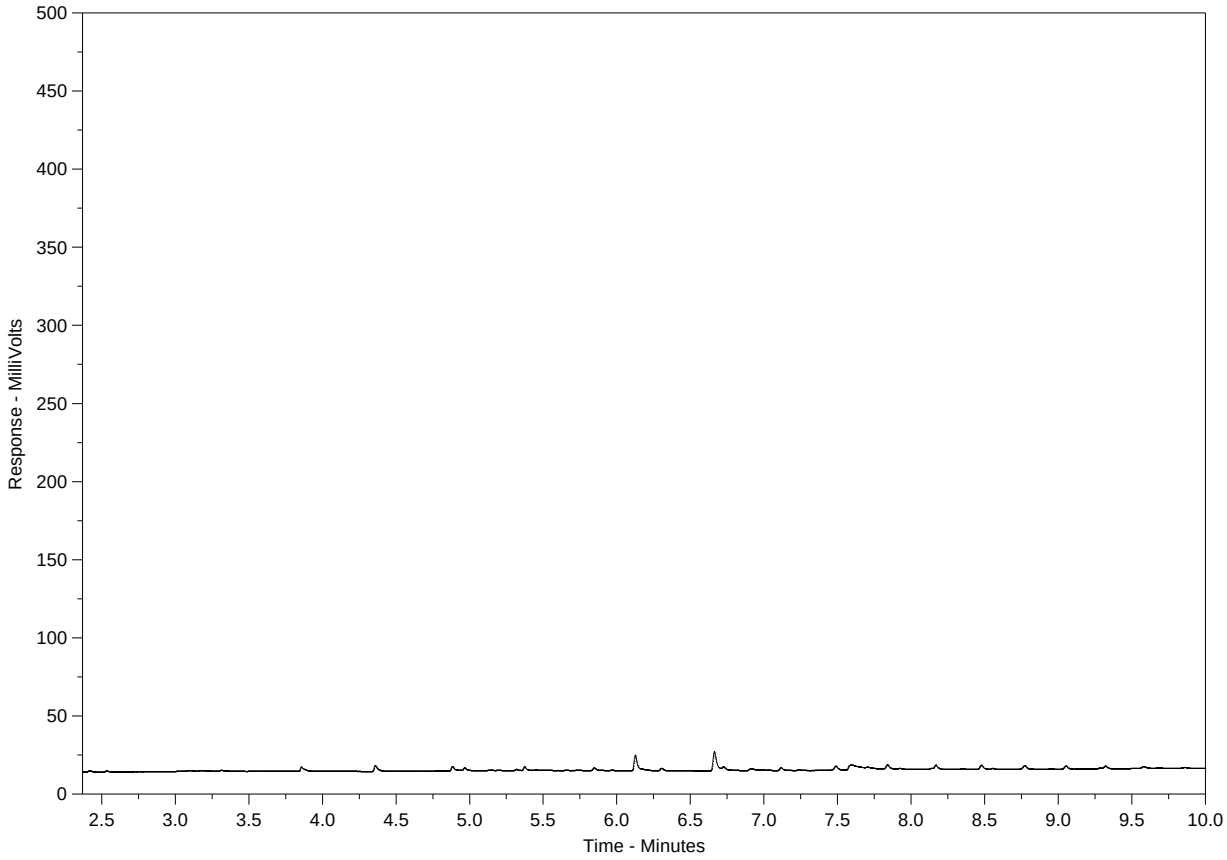
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-18
Client Sample ID: 2016-050-692



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

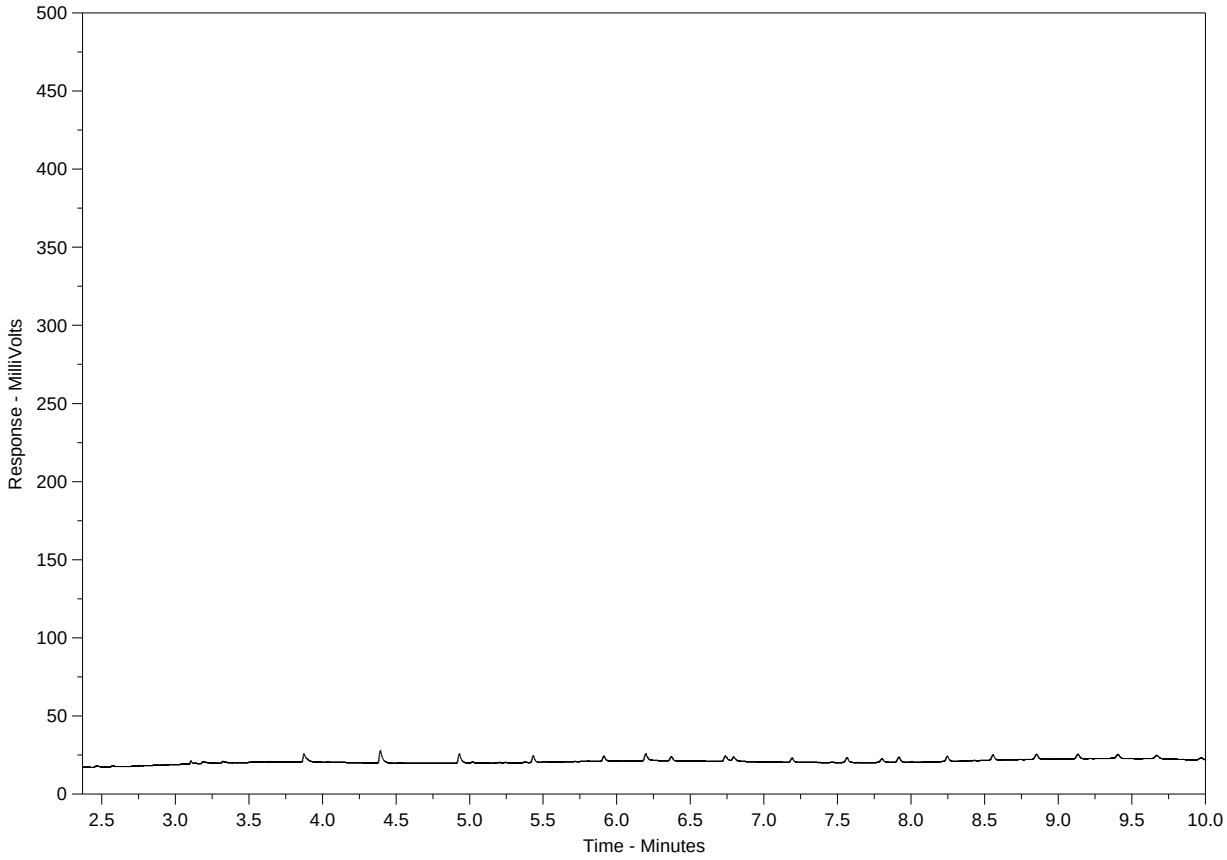
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-19
Client Sample ID: 2016-050-693



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

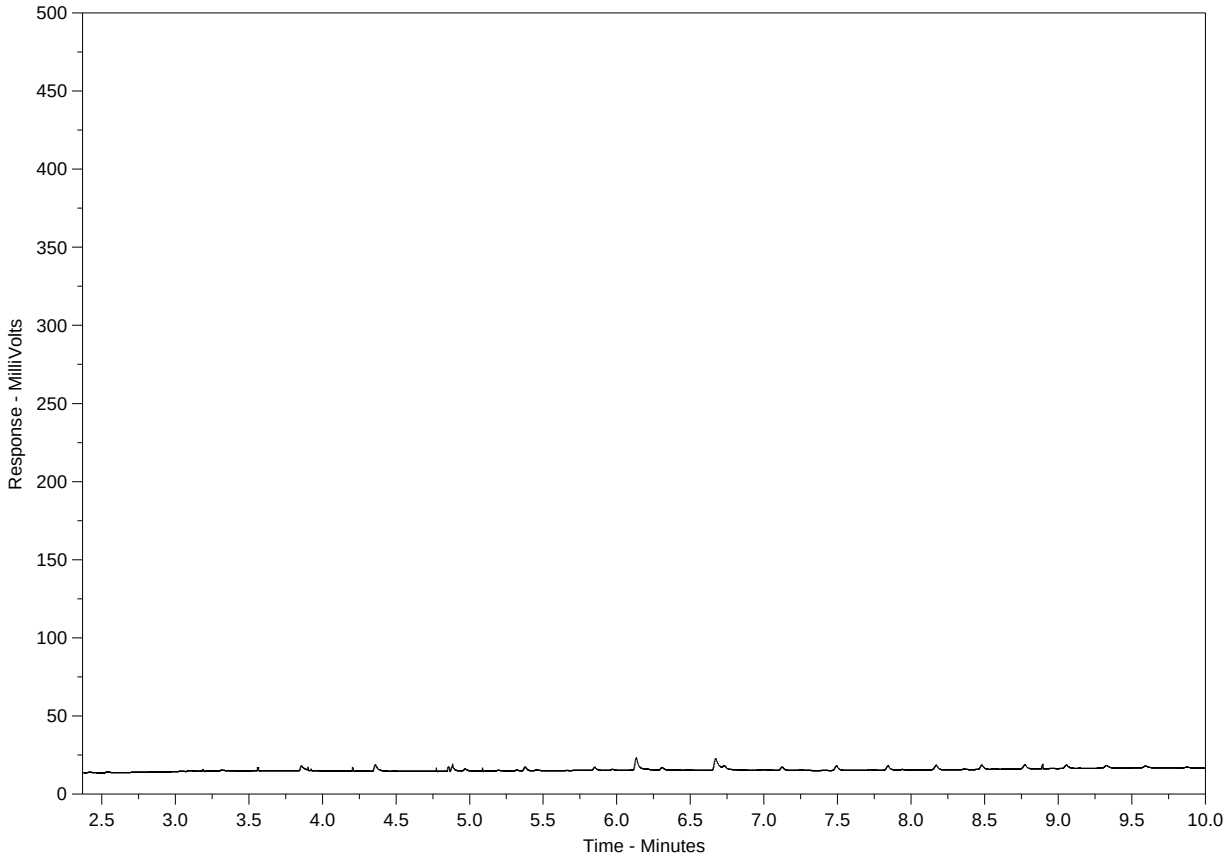
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-20
Client Sample ID: 2016-050-694



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

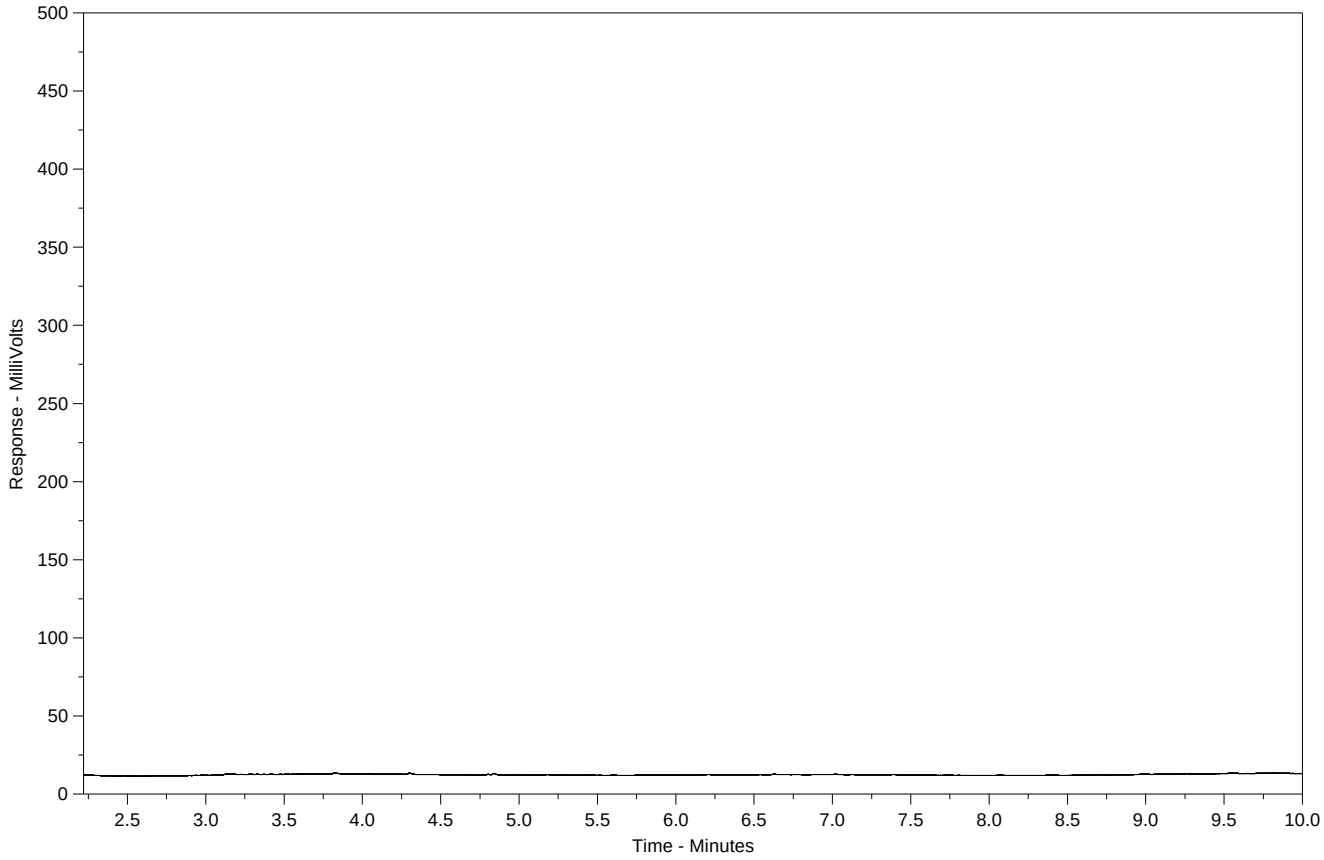
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-21
Client Sample ID: 2016-050-695



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
←Gasoline→	←Motor Oils / Lube Oils / Grease→	
←Diesel / Jet Fuels→		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

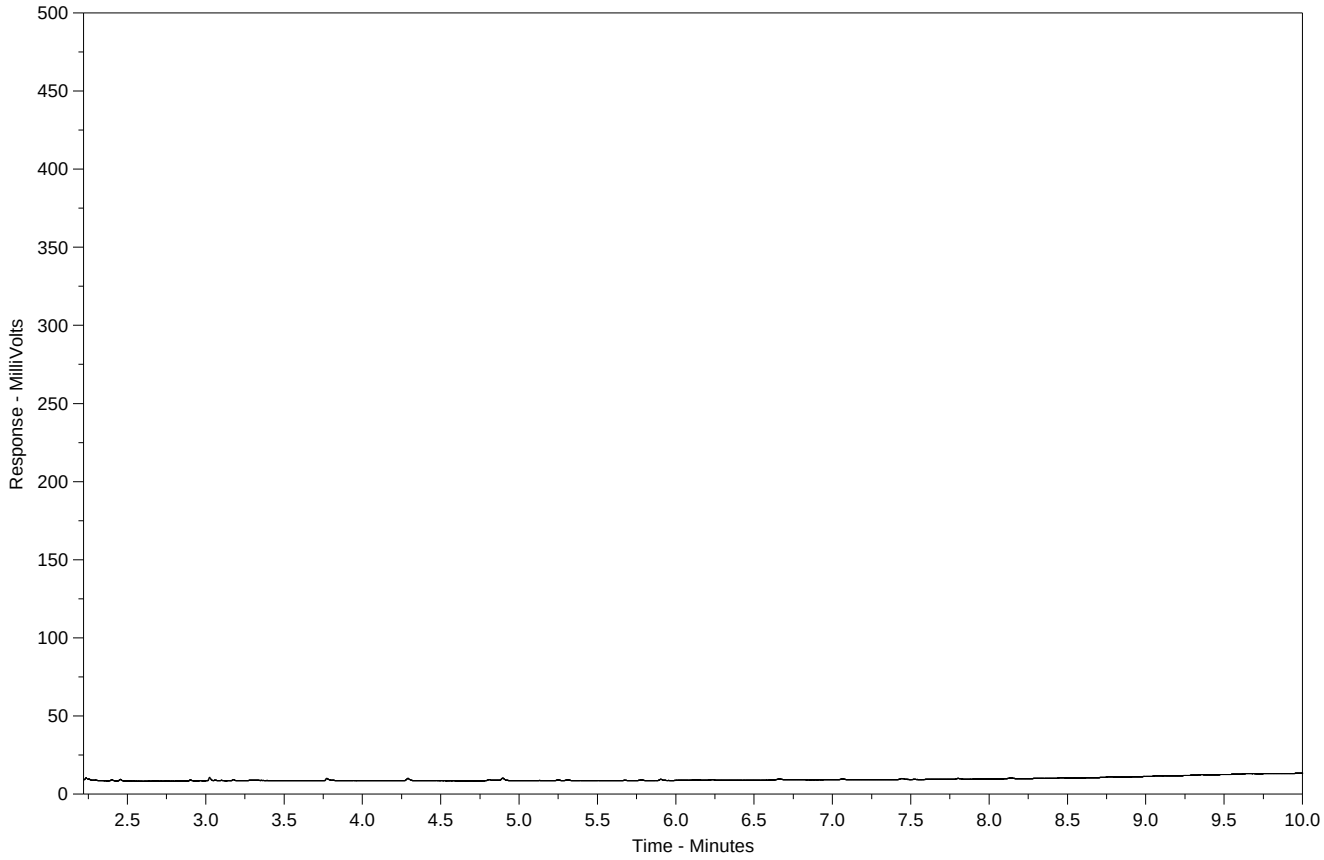
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-22
Client Sample ID: 2016-050-696



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
←Gasoline→	←Motor Oils / Lube Oils / Grease→	
←Diesel / Jet Fuels→		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

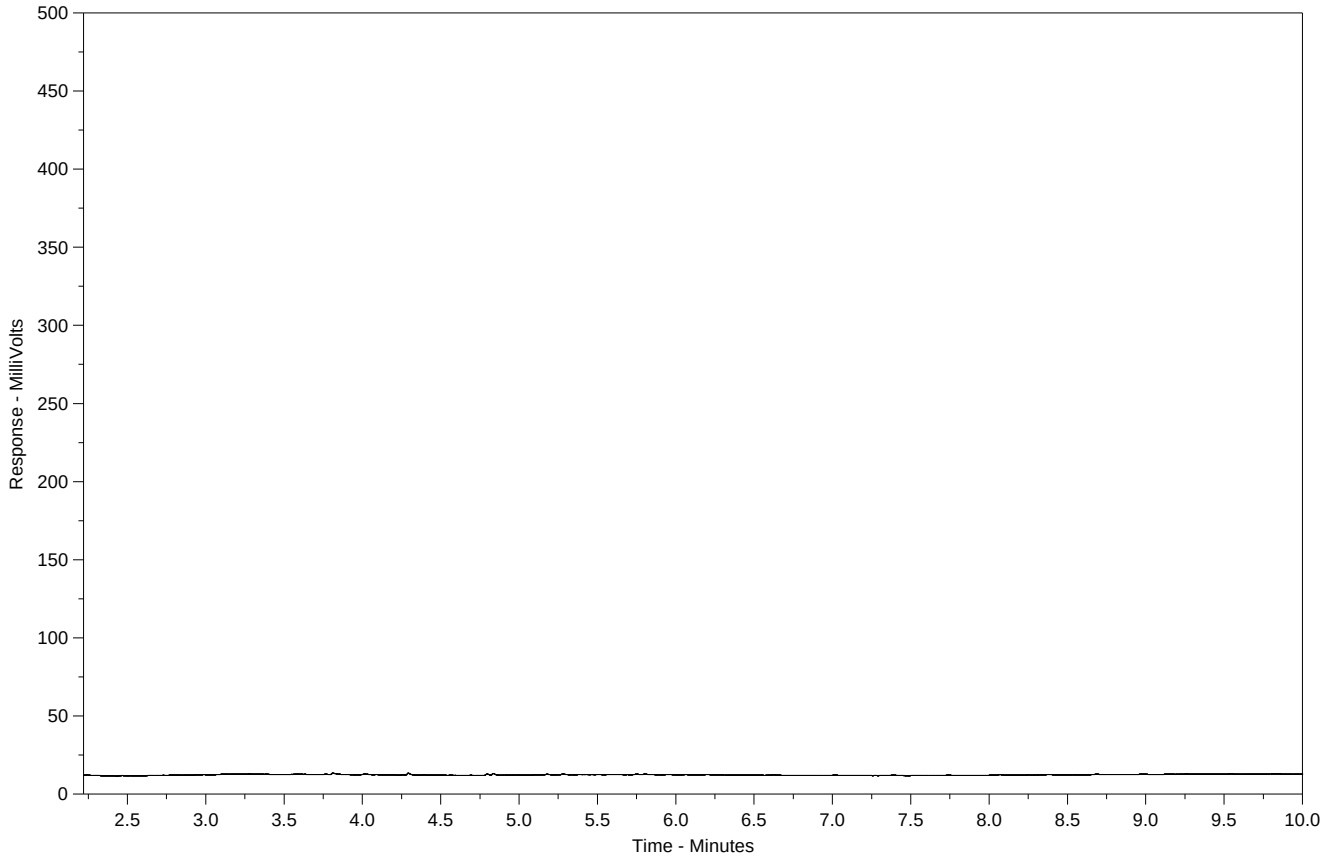
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1849230-23
Client Sample ID: 2016-050-697



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
←Gasoline→	←Motor Oils / Lube Oils / Grease→	
←Diesel / Jet Fuels→		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

L1849230-COFC

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1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
	2016-050-675	2016-10-25	9:14	water	X	X	X	Drinking Water
	2016-050-676	2016-10-25	0.520833333	water	X	X	X	Drinking Water
	2016-050-677	2016-10-25	9:25	water	X	X	X	Drinking Water
	2016-050-678	2016-10-25	9:43	water	X	X	X	Drinking Water
	2016-050-679	2016-10-25	9:48	water	X	X	X	Drinking Water
	2016-050-680	2016-10-25	9:51	water	X	X	X	Drinking Water
	2016-050-681	2016-10-25	9:59	water	X	X	X	Drinking Water
	2016-050-682	2016-10-25	10:19	water	X	X	X	Drinking Water
	2016-050-683	2016-10-25	10:24	water	X	X	X	Drinking Water
	2016-050-684	2016-10-25	10:32	water	X	X	X	Drinking Water

Charge Ground

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

	DATE:		RECEIVED BY:	DATE:
RELINQUISHED BY:	2016-10-25			10/26
Shelley Alcock	TIME: 13:04		RJ	TIME: 11:25
RELINQUISHED BY:	DATE:		RECEIVED BY:	DATE:
	TIME:			TIME:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: 3 °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

L1849230-COFC

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1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr ☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

		SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs										NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY		2016-050-685	2016-10-25	10:32	water	X	X	X										Drinking Water
		2016-050-686	2016-10-25	11:03	water	X	X	X										Drinking Water
		2016-050-687	2016-10-25	11:07	water	X	X	X										Drinking Water
		2016-050-688	2016-10-25	11:14	water	X	X	X										Drinking Water
		2016-050-689	2016-10-25	11:14	water	X	X	X										Drinking Water
		2016-050-690	2016-10-25	11:17	water	X	X	X										Drinking Water
		2016-050-691	2016-10-25	11:20	water	X	X	X										Drinking Water
		2016-050-692	2016-10-25	11:31	water	X	X	X										Drinking Water
		2016-050-693	2016-10-25	11:35		X	X	X										Drinking Water
		2016-050-694	2016-10-25	11:37		X	X	X										Drinking Water

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	DATE: 2016-10-25	RECEIVED BY:	DATE:
Shelley Alcock	TIME: 13:04		TIME:
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	TIME:		TIME:

FOR LAB USE ONLY

Cooler Seal Intact? ___Yes ___No ___N/A	Sample Temperature: ____°C Frozen? ___Yes ___No	Cooling Method? ___Icepacks ___Ice ___None

L1849230-COFC

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1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE

REPORT FORMAT: ☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr
☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results

ANALYSIS REQUESTED:

FOR LAB USE ONLY

	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
	2016-050-695	2016-10-25	11:44	water	X	X	X	Drinking Water
	2016-050-696	2016-10-25	11:47	water	X	X	X	Drinking Water
	2016-050-697	2016-10-25	13:04	water	X	X	X	

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	DATE:	2016-10-25	RECEIVED BY:	DATE:	
Shelley Alcock	TIME:	13:04		TIME:	
RELINQUISHED BY:	DATE:		RECEIVED BY:	DATE:	
	TIME:			TIME:	

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____°C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

CAPITAL REGIONAL DISTRICT
ATTN: Korene Torney
625 Fisgard Street
VICTORIA BC V8W 1R7

Date Received: 28-JAN-17
Report Date: 09-FEB-17 10:43 (MT)
Version: FINAL

Client Phone: 250-360-3214

Certificate of Analysis

Lab Work Order #: L1884636

Project P.O. #: MILLSTREAM DOMESTIC WELLS
Job Reference:
C of C Numbers:
Legal Site Desc:

Amber Springer, B.Sc
Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1884636-1	L1884636-2	L1884636-3	L1884636-4	L1884636-5
Description	WATER	WATER	WATER	WATER	WATER
Sampled Date	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17
Sampled Time	11:40	11:45	11:50	12:14	12:22
Client ID	2017-050-600	2017-050-601	2017-050-602	2017-050-603	2017-050-604
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds / Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichlorobenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene (mg/L)	<0.00045	<0.00045	<0.00045	<0.00045	<0.00045
1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1884636-6	L1884636-7	L1884636-8	L1884636-9	L1884636-10
	Description	WATER	WATER	WATER	WATER	WATER
	Sampled Date	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17
	Sampled Time	12:25	12:44	12:49	13:15	13:17
	Client ID	2017-050-605	2017-050-606	2017-050-607	2017-050-608	2017-050-609
Grouping	**Analyte**					
WATER						
Volatile Organic Compounds	Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010	0.0057	0.0068
	Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010	0.0039	0.0044
	Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Chloroform (mg/L)	<0.0010	<0.0010	<0.0010	0.0062	0.0067
	Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	1,2-Dichlorobenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
	Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Toluene (mg/L)	<0.00045	<0.00045	<0.00045	<0.00045	<0.00045
	1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
	Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1884636-11	L1884636-12	L1884636-13	L1884636-14	L1884636-15
Description	WATER	WATER	WATER	WATER	WATER
Sampled Date	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17
Sampled Time	13:20	13:25	13:27	13:47	13:50
Client ID	2017-050-610	2017-050-611	2017-050-612	2017-050-613	2017-050-614
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds / Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Chloroform (mg/L)	<0.0010	0.0022	<0.0010	<0.0010	<0.0010
Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichlorobenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014
Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Toluene (mg/L)	<0.00045	<0.00045	<0.00045	<0.00045	<0.00045
1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	<0.00075

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1884636-16	L1884636-17	L1884636-18	L1884636-19	
Description	WATER	WATER	WATER	WATER	
Sampled Date	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17	
Sampled Time	13:52	13:53	14:00	14:43	
Client ID	2017-050-615	2017-050-616	2017-050-617	2017-050-618	
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds / Benzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
Bromodichloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Bromoform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Carbon Tetrachloride (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
Chlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Dibromochloromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Chloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Chloroform (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Chloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	
1,2-Dichlorobenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
1,3-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
1,4-Dichlorobenzene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
1,1-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
1,2-Dichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
1,1-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
cis-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
trans-1,2-Dichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Dichloromethane (mg/L)	<0.0050	<0.0050	<0.0050	<0.0050	
1,2-Dichloropropane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
cis-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
trans-1,3-Dichloropropylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
1,3-Dichloropropene (cis & trans) (mg/L)	<0.0014	<0.0014	<0.0014	<0.0014	
Ethylbenzene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
Methyl t-butyl ether (MTBE) (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
Styrene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
1,1,1,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
1,1,2,2-Tetrachloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Tetrachloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Toluene (mg/L)	<0.00045	<0.00045	<0.00045	<0.00045	
1,1,1-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
1,1,2-Trichloroethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Trichloroethylene (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Trichlorofluoromethane (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
Vinyl Chloride (mg/L)	<0.0010	<0.0010	<0.0010	<0.0010	
ortho-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
meta- & para-Xylene (mg/L)	<0.00050	<0.00050	<0.00050	<0.00050	
Xylenes (mg/L)	<0.00075	<0.00075	<0.00075	<0.00075	

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1884636-1 WATER 27-JAN-17 11:40 2017-050-600	L1884636-2 WATER 27-JAN-17 11:45 2017-050-601	L1884636-3 WATER 27-JAN-17 11:50 2017-050-602	L1884636-4 WATER 27-JAN-17 12:14 2017-050-603	L1884636-5 WATER 27-JAN-17 12:22 2017-050-604
WATER						
Volatile Organic Compounds	Surrogate: 4-Bromofluorobenzene (SS) (%)	96.8	96.6	76.0	85.9	78.5
	Surrogate: 1,4-Difluorobenzene (SS) (%)	98.3	99.7	98.4	95.9	96.7
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	105.3	103.9	102.4	101.0	102.7
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	107.0	110.7	108.4	101.0	101.3
	Surrogate: Chrysene d12 (%)	109.8	117.1	115.9	107.4	103.8
	Surrogate: Naphthalene d8 (%)	109.6	112.9	112.4	101.7	104.2
	Surrogate: Phenanthrene d10 (%)	120.4	125.8	124.8	112.9	114.3

ALS ENVIRONMENTAL ANALYTICAL REPORT

Grouping	Analyte	L1884636-6 WATER 27-JAN-17 12:25 2017-050-605	L1884636-7 WATER 27-JAN-17 12:44 2017-050-606	L1884636-8 WATER 27-JAN-17 12:49 2017-050-607	L1884636-9 WATER 27-JAN-17 13:15 2017-050-608	L1884636-10 WATER 27-JAN-17 13:17 2017-050-609
WATER						
Volatile Organic Compounds	Surrogate: 4-Bromofluorobenzene (SS) (%)	83.9	79.5	78.9	83.0	78.0
	Surrogate: 1,4-Difluorobenzene (SS) (%)	95.5	95.2	95.5	95.6	96.0
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
	Surrogate: 2-Bromobenzotrifluoride (%)	104.2	103.0	101.3	107.4	105.5
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
	Surrogate: Acridine d9 (%)	98.1	99.2	101.5	98.0	100.0
	Surrogate: Chrysene d12 (%)	104.8	104.3	109.9	101.4	106.2
	Surrogate: Naphthalene d8 (%)	103.4	102.0	108.0	101.8	104.9
	Surrogate: Phenanthrene d10 (%)	113.3	111.6	118.3	111.5	115.7

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample ID	L1884636-11	L1884636-12	L1884636-13	L1884636-14	L1884636-15
Description	WATER	WATER	WATER	WATER	WATER
Sampled Date	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17
Sampled Time	13:20	13:25	13:27	13:47	13:50
Client ID	2017-050-610	2017-050-611	2017-050-612	2017-050-613	2017-050-614
Grouping / **Analyte**					
WATER					
Volatile Organic Compounds — Surrogate: 4-Bromofluorobenzene (SS) (%)	77.5	82.5	83.2	84.3	81.4
Surrogate: 1,4-Difluorobenzene (SS) (%)	94.5	95.1	96.2	96.6	97.0
Hydrocarbons — EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	<0.25
Surrogate: 2-Bromobenzotrifluoride (%)	106.6	97.3	95.2	103.8	96.8
Polycyclic Aromatic Hydrocarbons — Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Surrogate: Acridine d9 (%)	103.8	101.4	102.1	100.4	101.1
Surrogate: Chrysene d12 (%)	107.8	106.7	105.7	106.6	110.1
Surrogate: Naphthalene d8 (%)	102.9	105.7	105.7	106.1	107.9
Surrogate: Phenanthrene d10 (%)	112.9	117.4	113.7	116.6	119.0

ALS ENVIRONMENTAL ANALYTICAL REPORT

	Sample ID	L1884636-16	L1884636-17	L1884636-18	L1884636-19	
	Description	WATER	WATER	WATER	WATER	
	Sampled Date	27-JAN-17	27-JAN-17	27-JAN-17	27-JAN-17	
	Sampled Time	13:52	13:53	14:00	14:43	
	Client ID	2017-050-615	2017-050-616	2017-050-617	2017-050-618	
Grouping	**Analyte**					
WATER						
Volatile Organic Compounds	Surrogate: 4-Bromofluorobenzene (SS) (%)	79.6	82.6	80.4	84.7	
	Surrogate: 1,4-Difluorobenzene (SS) (%)	97.1	97.2	96.9	97.2	
Hydrocarbons	EPH10-19 (mg/L)	<0.25	<0.25	<0.25	<0.25	
	EPH19-32 (mg/L)	<0.25	<0.25	<0.25	<0.25	
	LEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	
	HEPH (mg/L)	<0.25	<0.25	<0.25	<0.25	
	Surrogate: 2-Bromobenzotrifluoride (%)	93.8	93.7	96.4	96.7	
Polycyclic Aromatic Hydrocarbons	Acenaphthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Acenaphthylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Acridine (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Benz(a)anthracene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Benzo(a)pyrene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	
	Benzo(b)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Benzo(g,h,i)perylene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Benzo(k)fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Chrysene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Dibenz(a,h)anthracene (mg/L)	<0.0000050	<0.0000050	<0.0000050	<0.0000050	
	Fluoranthene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Fluorene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Indeno(1,2,3-c,d)pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Naphthalene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Phenanthrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Pyrene (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Quinoline (mg/L)	<0.000050	<0.000050	<0.000050	<0.000050	
	Surrogate: Acridine d9 (%)	97.9	96.5	100.3	106.6	
	Surrogate: Chrysene d12 (%)	109.2	110.0	106.7	114.7	
	Surrogate: Naphthalene d8 (%)	103.5	102.8	103.5	106.6	
	Surrogate: Phenanthrene d10 (%)	113.9	113.9	113.7	118.6	

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
EPH-ME-FID-VA	Water	EPH in Water	BC Lab Manual
EPH is extracted from water using a hexane micro-extraction technique, with analysis by GC-FID, as per the BC Lab Manual. EPH results include PAHs and are therefore not equivalent to LEPH or HEPH.			
LEPH/HEPH-CALC-VA	Water	LEPHs and HEPHs	BC MOE LABORATORY MANUAL (2005)
Light and Heavy Extractable Petroleum Hydrocarbons in water. These results are determined according to the British Columbia Ministry of Environment, Lands, and Parks Analytical Method for Contaminated Sites "Calculation of Light and Heavy Extractable Petroleum Hydrocarbons in Solids or Water". According to this method, LEPH and HEPH are calculated by subtracting selected Polycyclic Aromatic Hydrocarbon results from Extractable Petroleum Hydrocarbon results. To calculate LEPH, the individual results for Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene and Phenanthrene are subtracted from EPH(C10-19). To calculate HEPH, the individual results for Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene are subtracted from EPH(C19-32). Analysis of Extractable Petroleum Hydrocarbons adheres to all prescribed elements of the BCMELP method "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 20, 1999).			
PAH-ME-MS-VA	Water	PAHs in Water	EPA 3511/8270D (mod)
PAHs are extracted from water using a hexane micro-extraction technique, with analysis by GC/MS. Because the two isomers cannot be readily separated chromatographically, benzo(j)fluoranthene is reported as part of the benzo(b)fluoranthene parameter.			
VOC-HSMS-VA	Water	VOCs in water by Headspace GCMS	EPA 5021A/8260C
The water sample, with added reagents, is heated in a sealed vial to equilibrium. The headspace from the vial is transferred into a gas chromatograph. Target compound concentrations are measured using mass spectrometry detection.			
VOC7-HSMS-VA	Water	BTEX/MTBE/Styrene by Headspace GCMS	EPA 5021A/8260C
The water sample, with added reagents, is heated in a sealed vial to equilibrium. The headspace from the vial is transfered into a gas chromatograph. Target compound concentrations are measured using mass spectrometry detection.			
VOC7/VOC-SURR-MS-VA	Water	VOC7 and/or VOC Surrogates for Waters	EPA 5035A/5021A/8260C
XYLENES-CALC-VA	Water	Sum of Xylene Isomer Concentrations	CALCULATION
Calculation of Total Xylenes Total Xylenes is the sum of the concentrations of the ortho, meta, and para Xylene isomers. Results below detection limit (DL) are treated as zero. The DL for Total Xylenes is set to a value no less than the square root of the sum of the squares of the DLs of the individual Xylenes.			

** 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
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

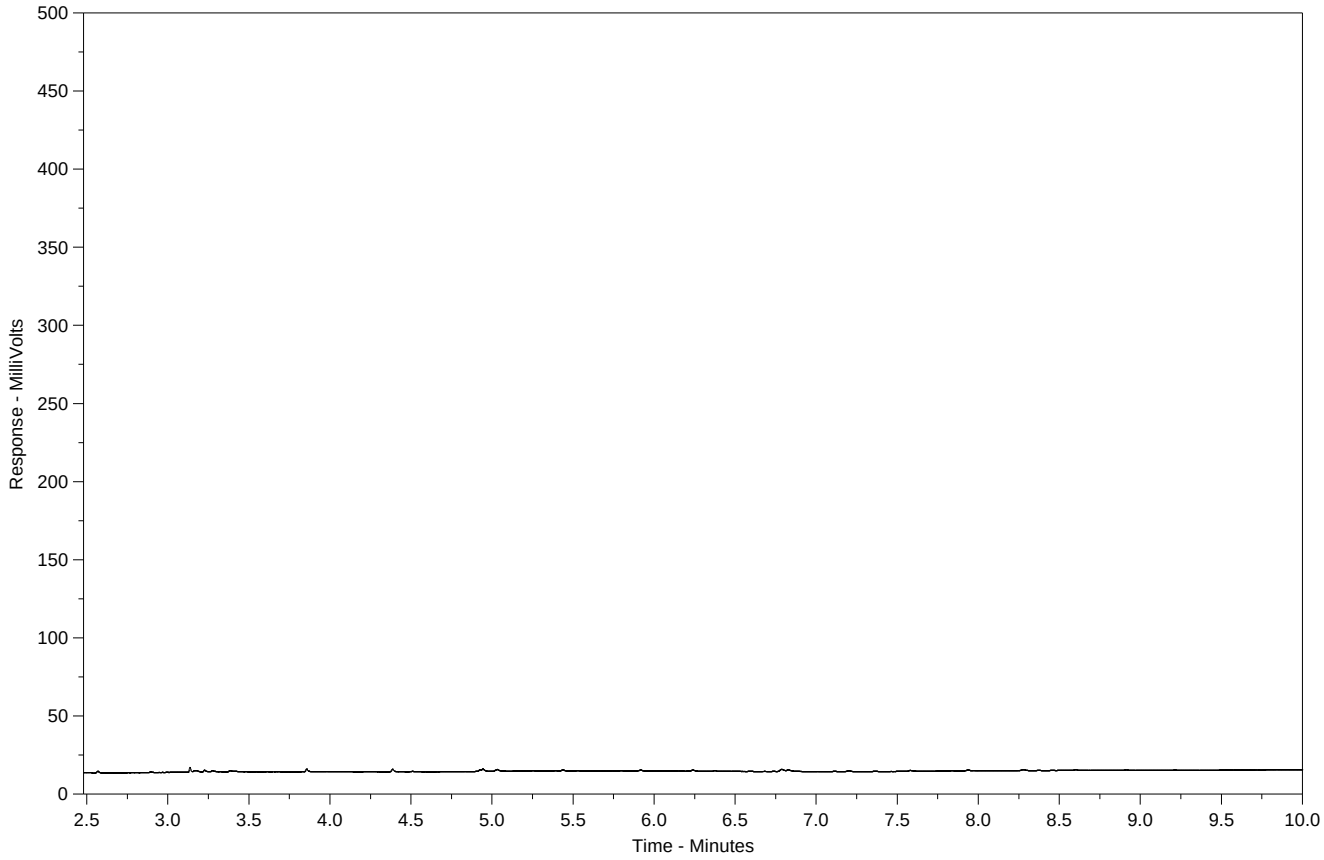
GLOSSARY OF REPORT TERMS

Surrogate - A compound that is similar in behaviour to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.
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 of sample.
mg/L - milligrams per litre.
< - Less than.
D.L. - The reported Detection Limit, also known as the Limit of Reporting (LOR).
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.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-1
Client Sample ID: 2017-050-600



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
←Gasoline→	←Motor Oils / Lube Oils / Grease→	
←Diesel / Jet Fuels→		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

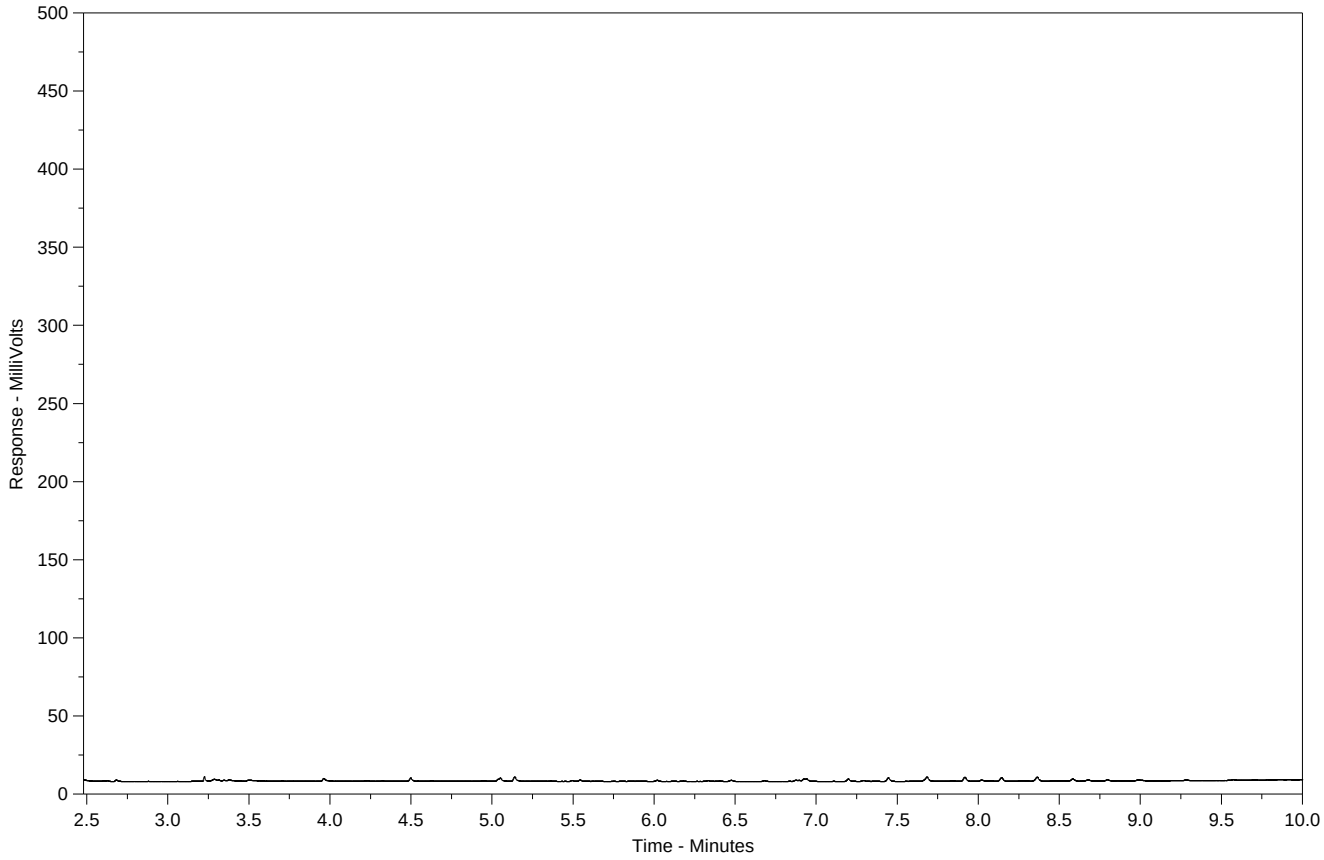
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-2
Client Sample ID: 2017-050-601



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
←Gasoline→	←Motor Oils / Lube Oils / Grease→	
←Diesel / Jet Fuels→		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

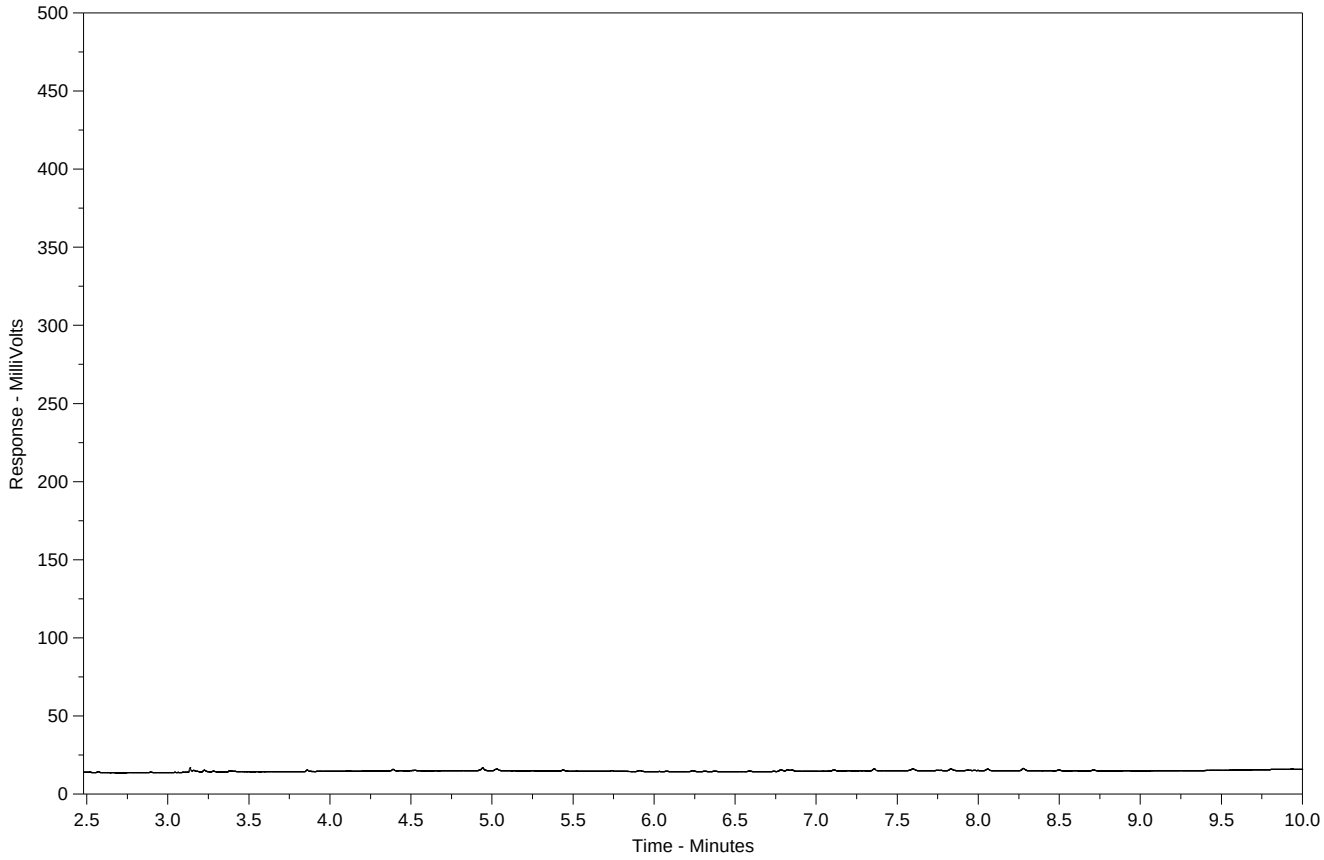
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-3
Client Sample ID: 2017-050-602



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
←Gasoline→	←Motor Oils / Lube Oils / Grease→	
←Diesel / Jet Fuels→		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

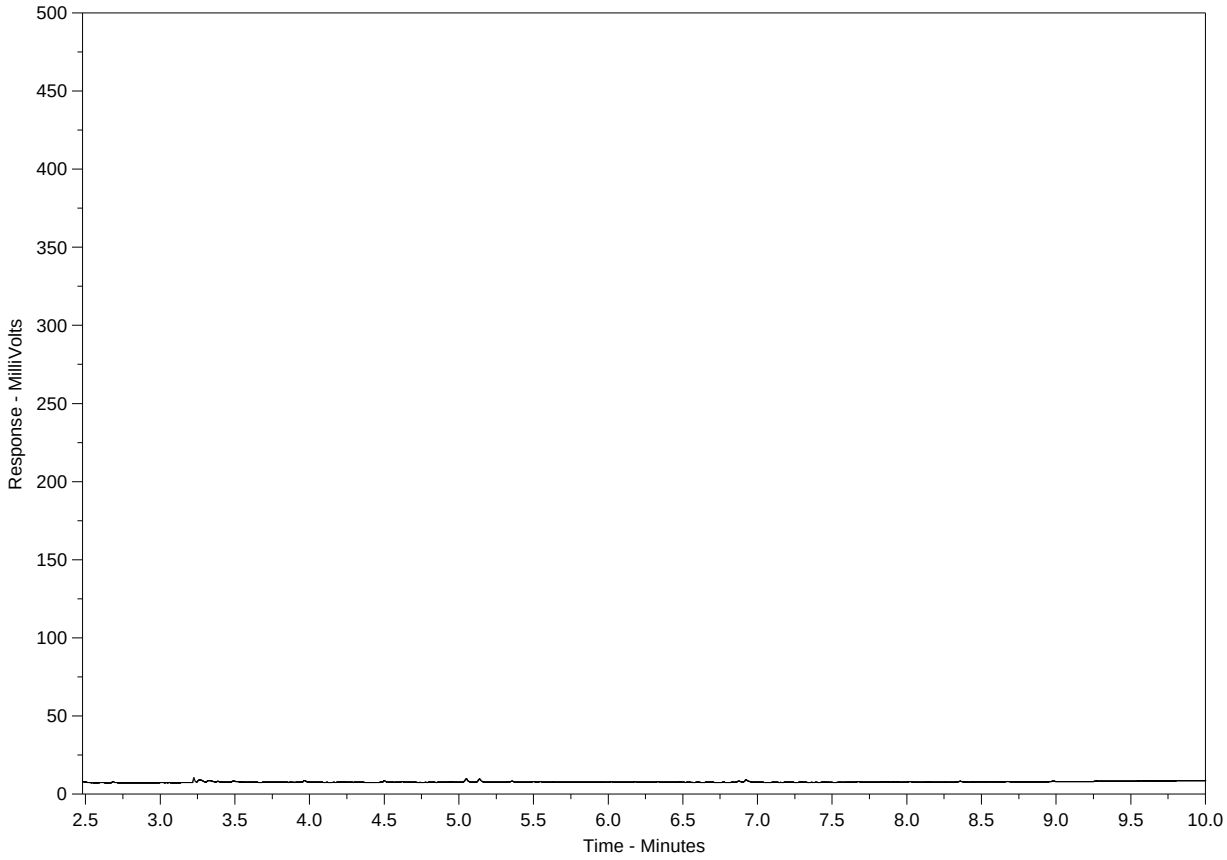
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-4
Client Sample ID: 2017-050-603



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

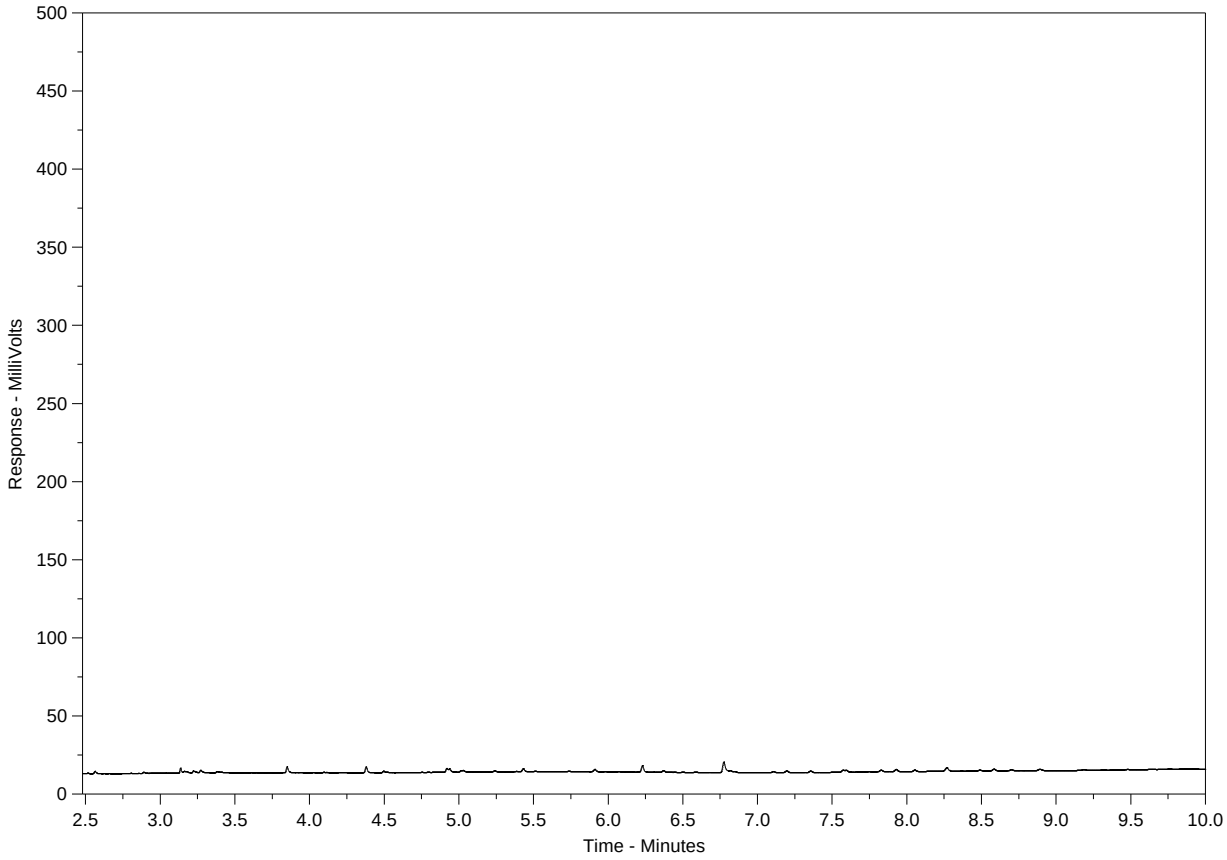
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-5
Client Sample ID: 2017-050-604



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

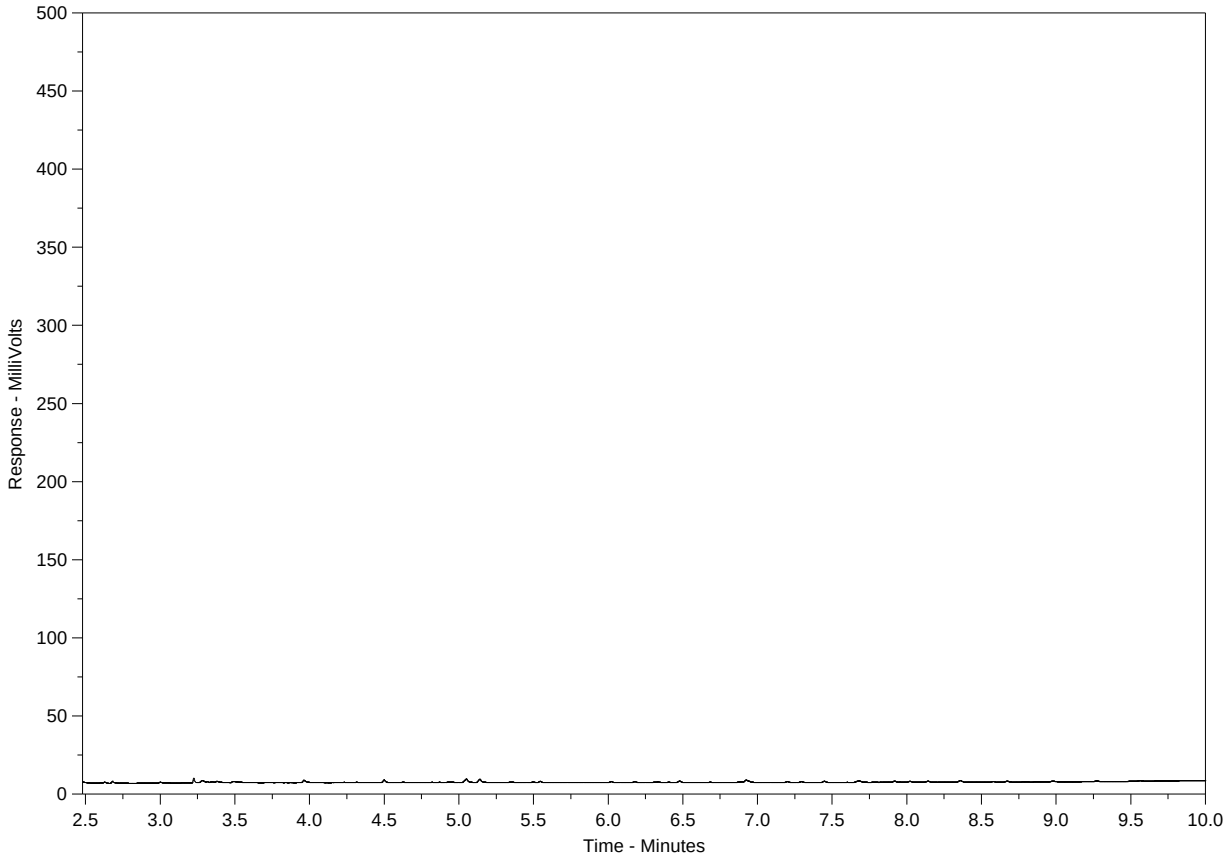
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-6
Client Sample ID: 2017-050-605



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

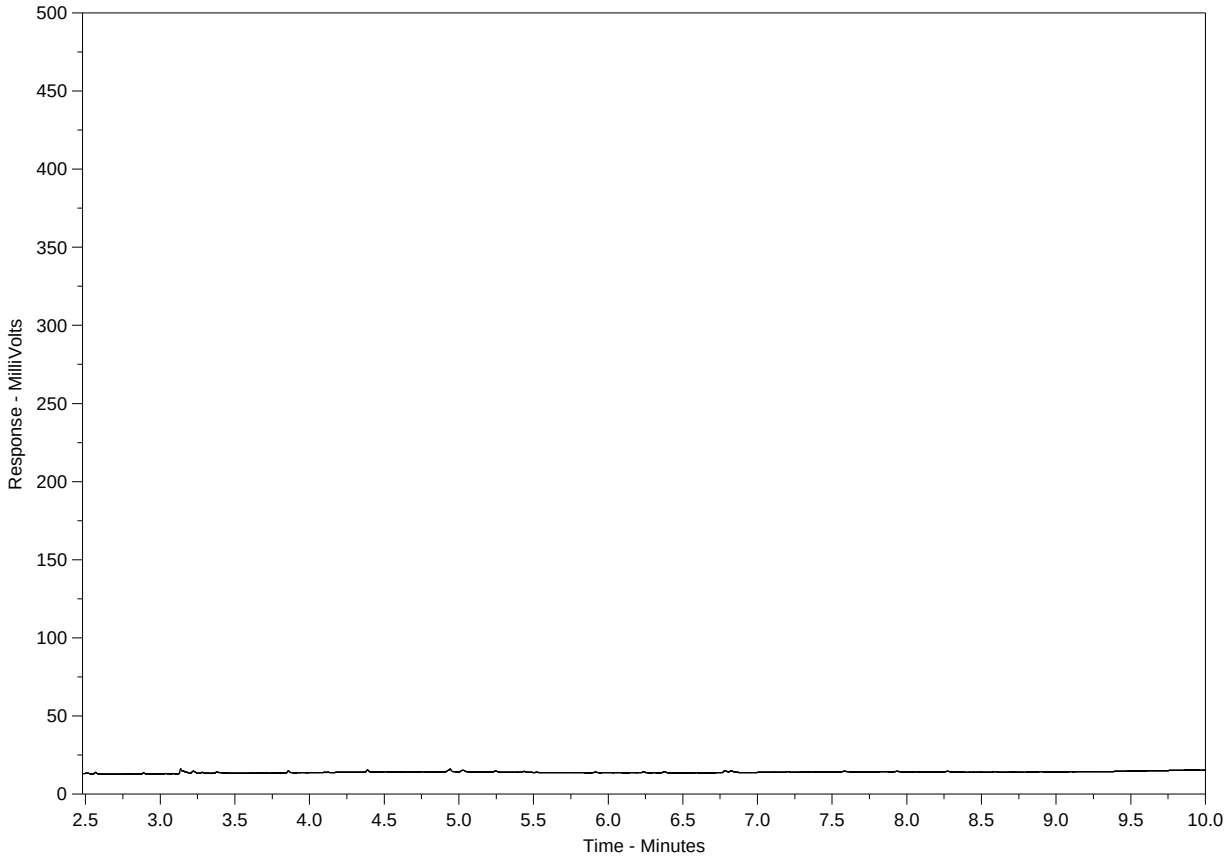
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-7
Client Sample ID: 2017-050-606



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

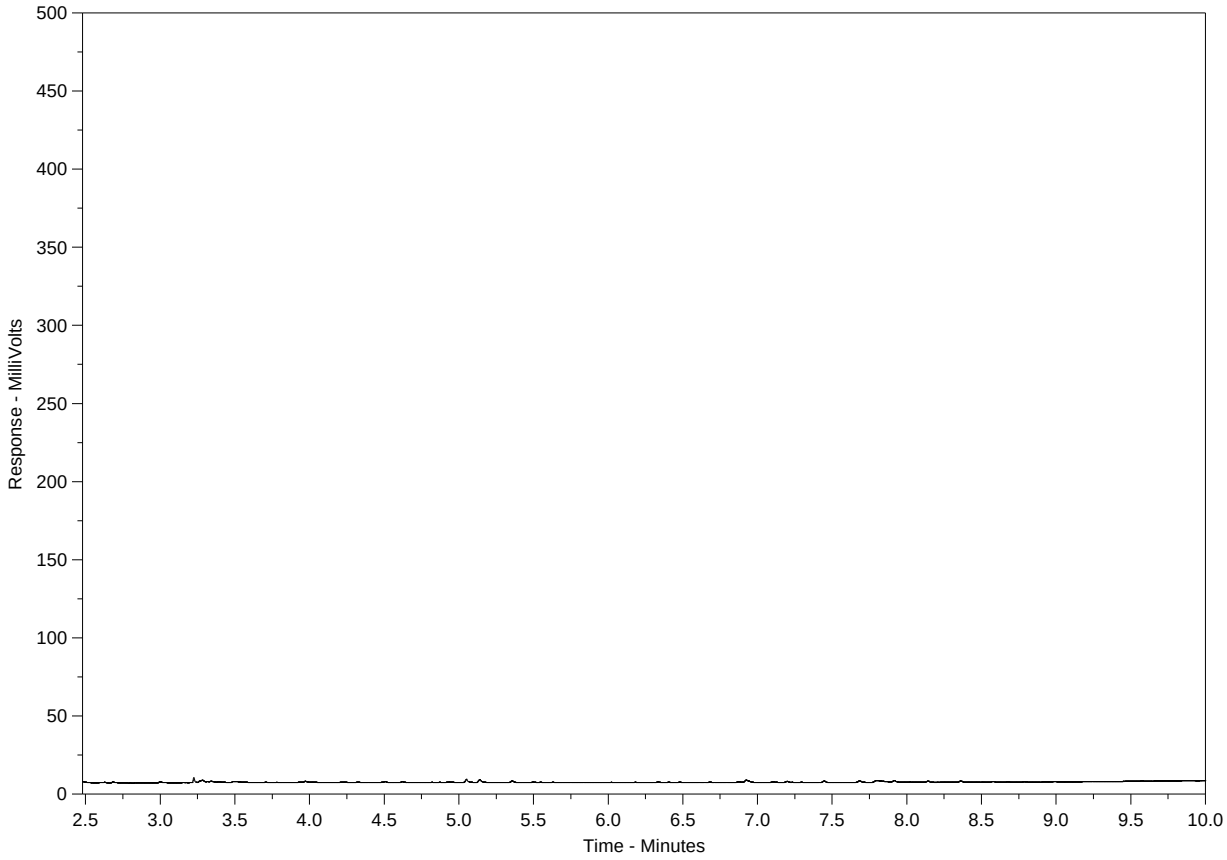
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-8
Client Sample ID: 2017-050-607



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

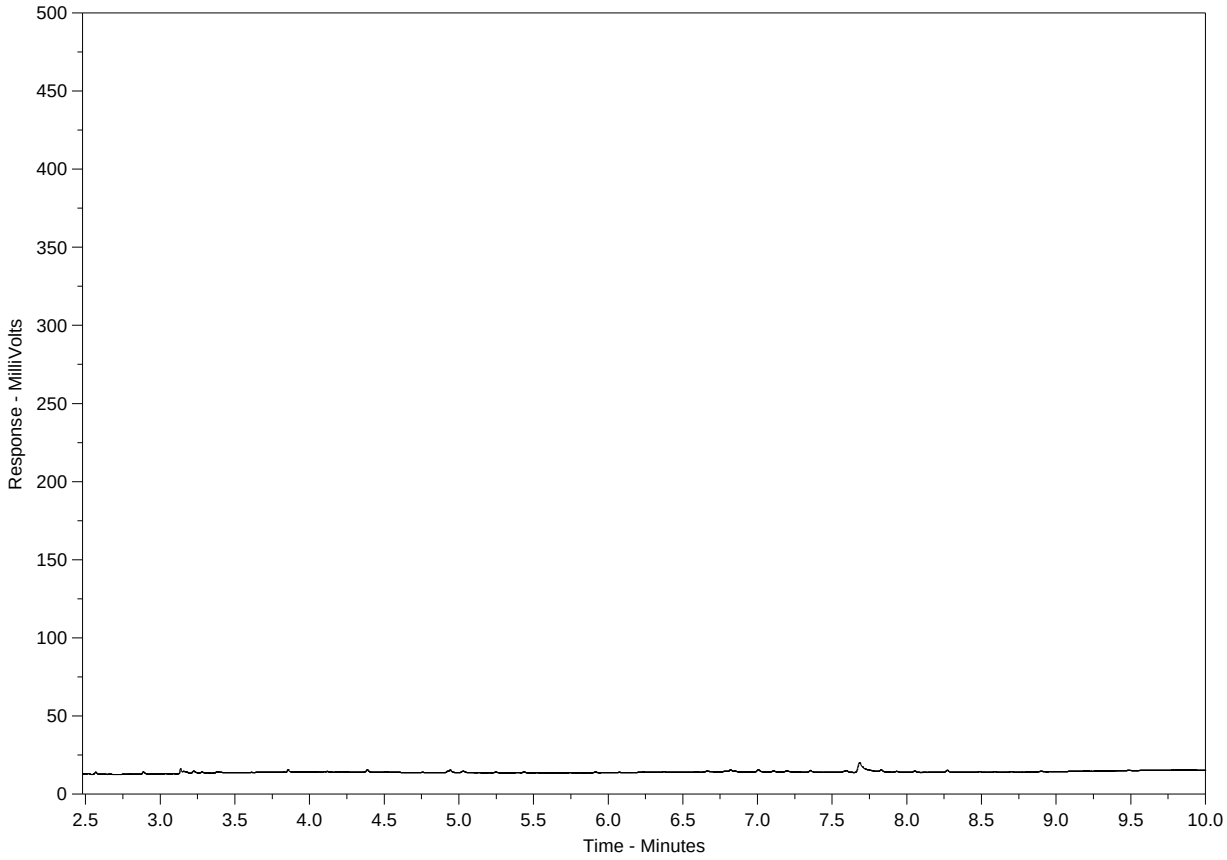
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-9
Client Sample ID: 2017-050-608



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

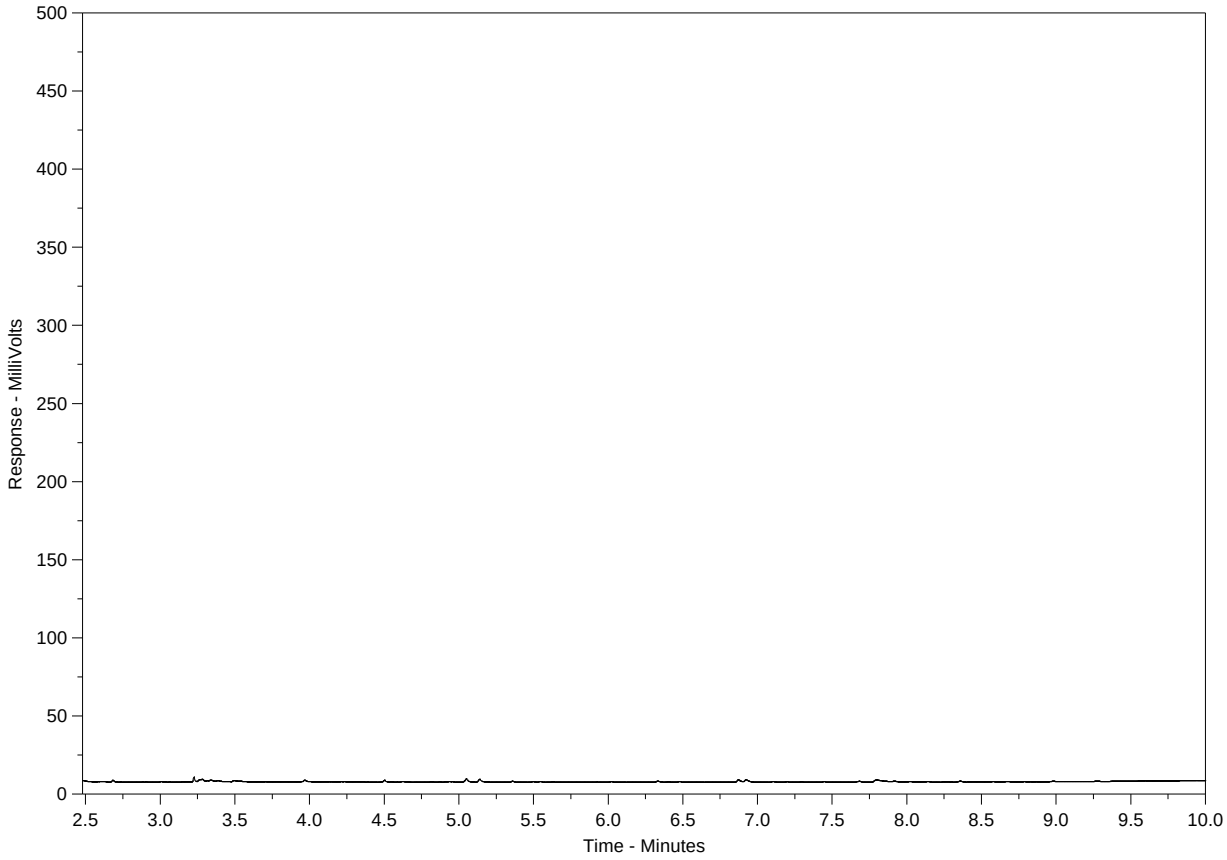
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-10
Client Sample ID: 2017-050-609



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

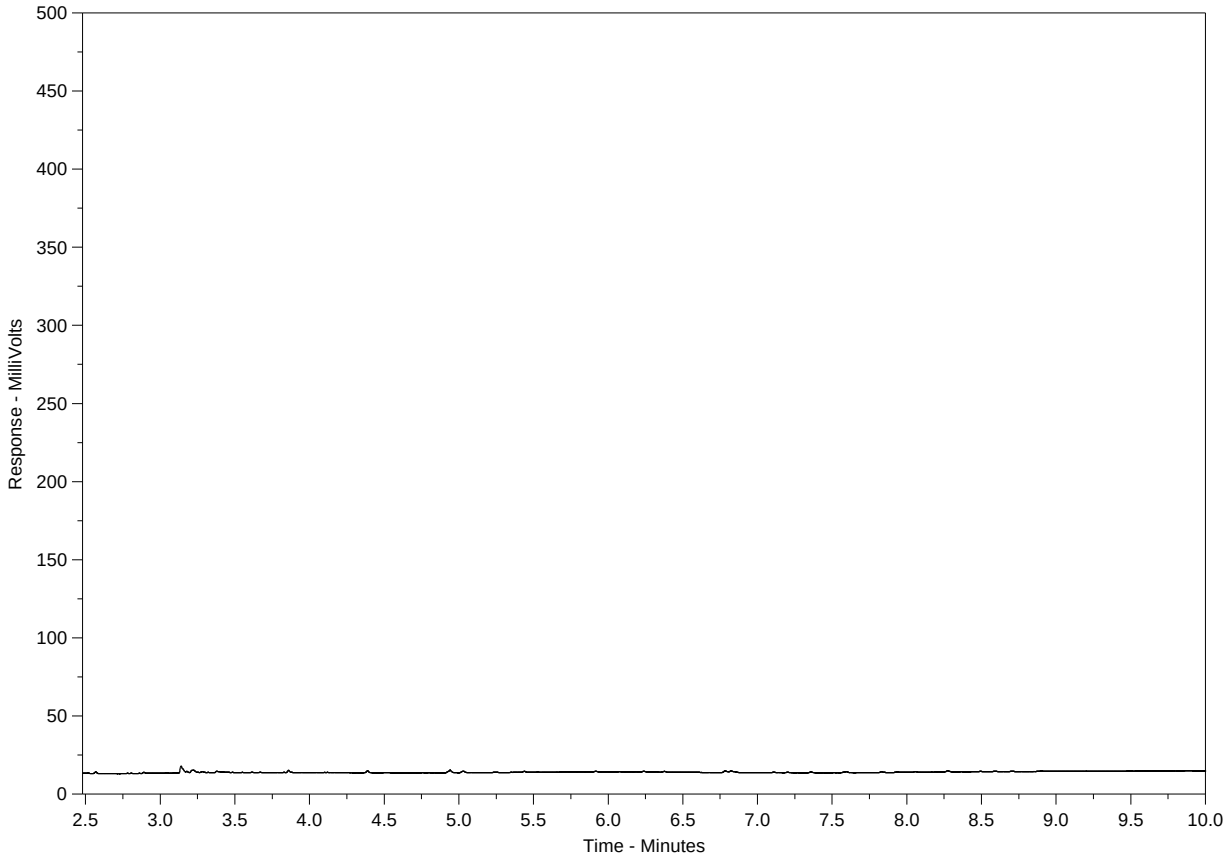
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-11
Client Sample ID: 2017-050-610



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

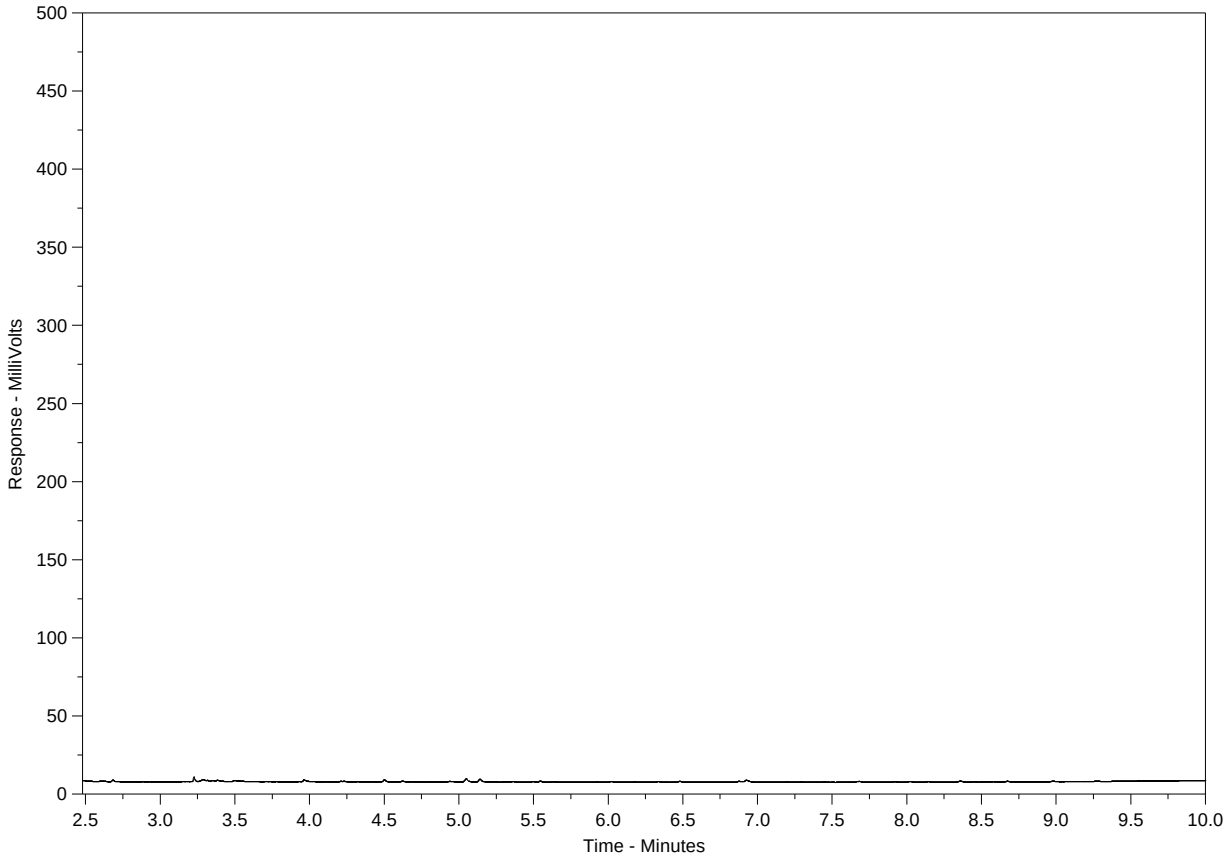
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-12
Client Sample ID: 2017-050-611



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

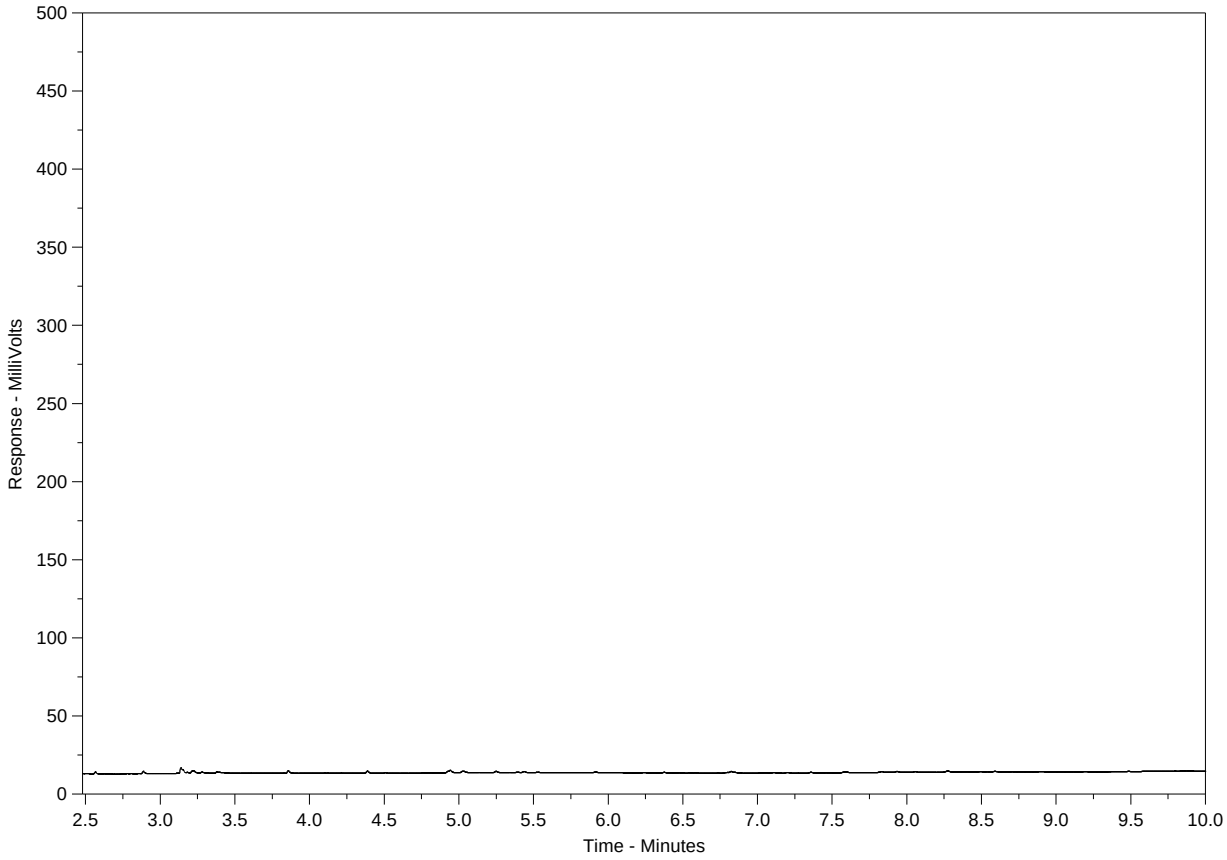
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-13
Client Sample ID: 2017-050-612



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

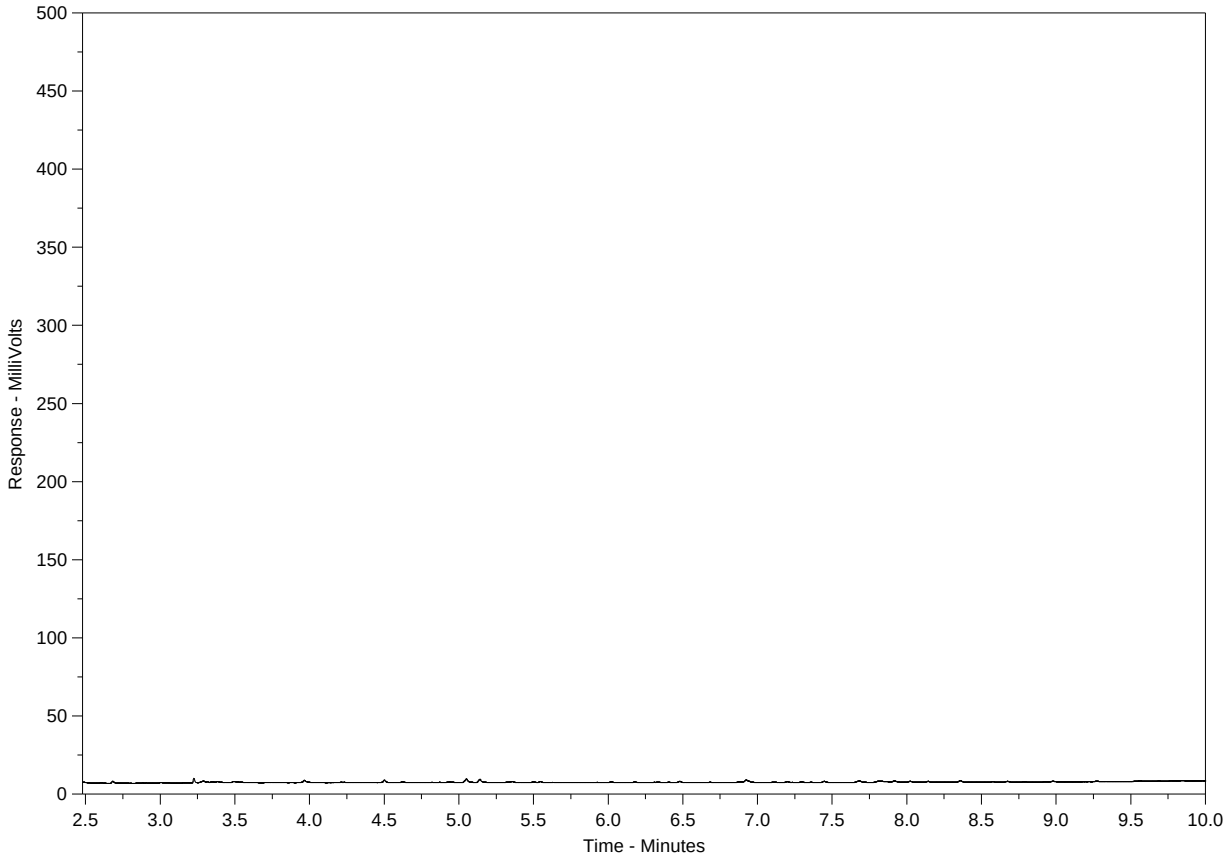
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-14
Client Sample ID: 2017-050-613



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

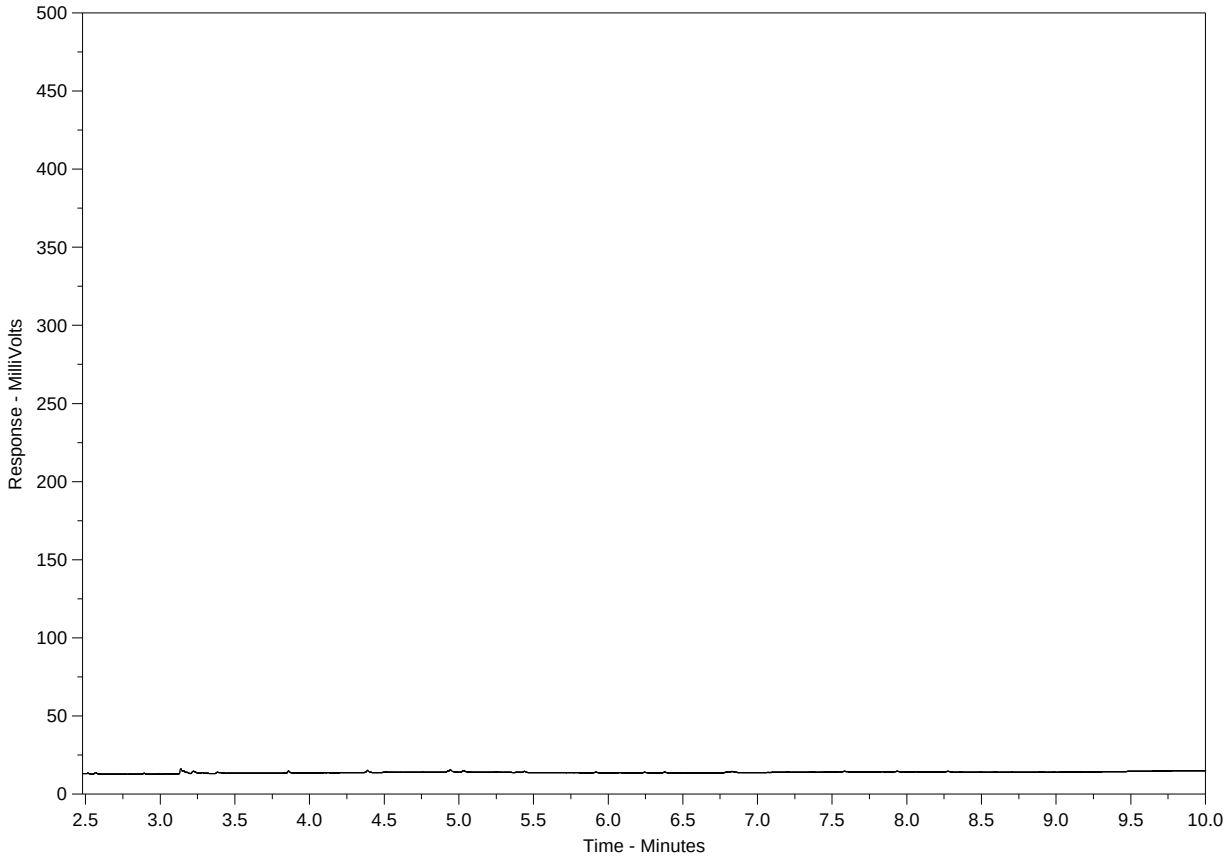
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-15
Client Sample ID: 2017-050-614



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

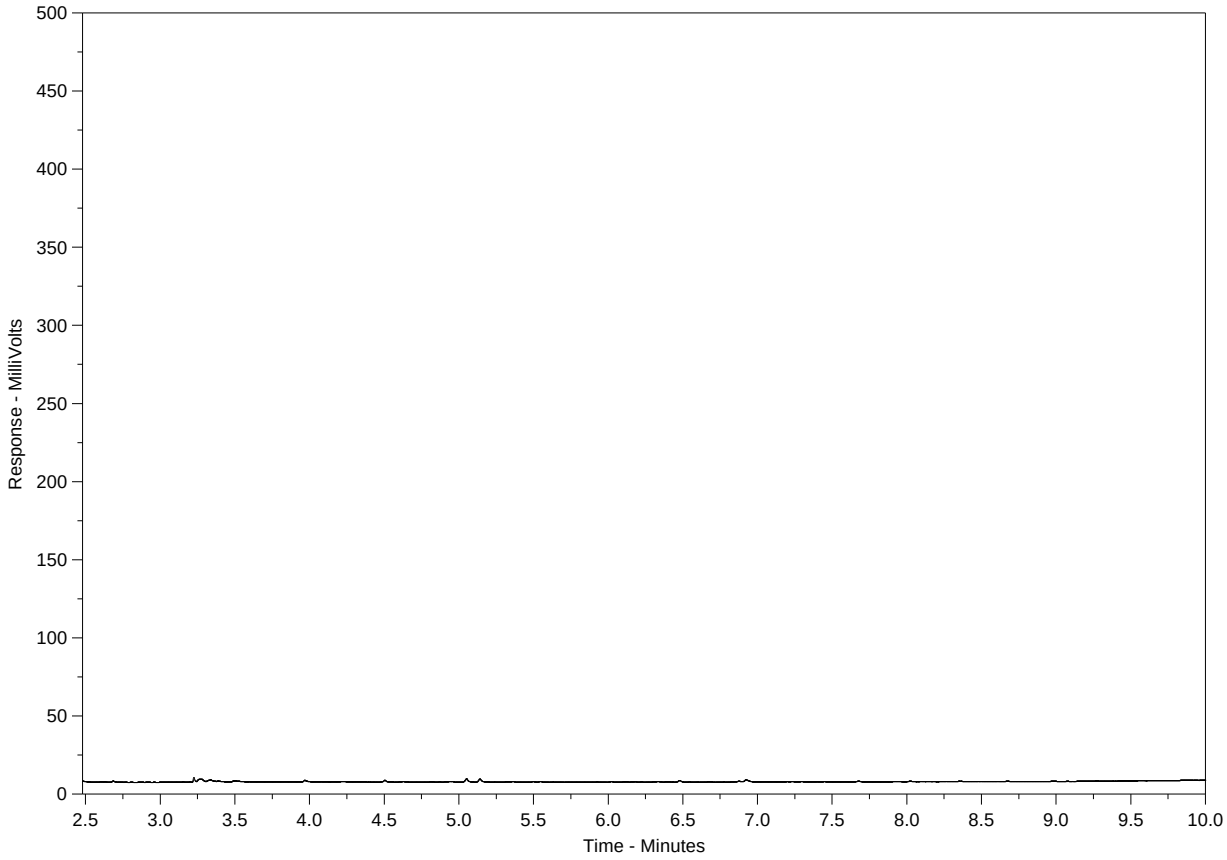
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-16
Client Sample ID: 2017-050-615



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

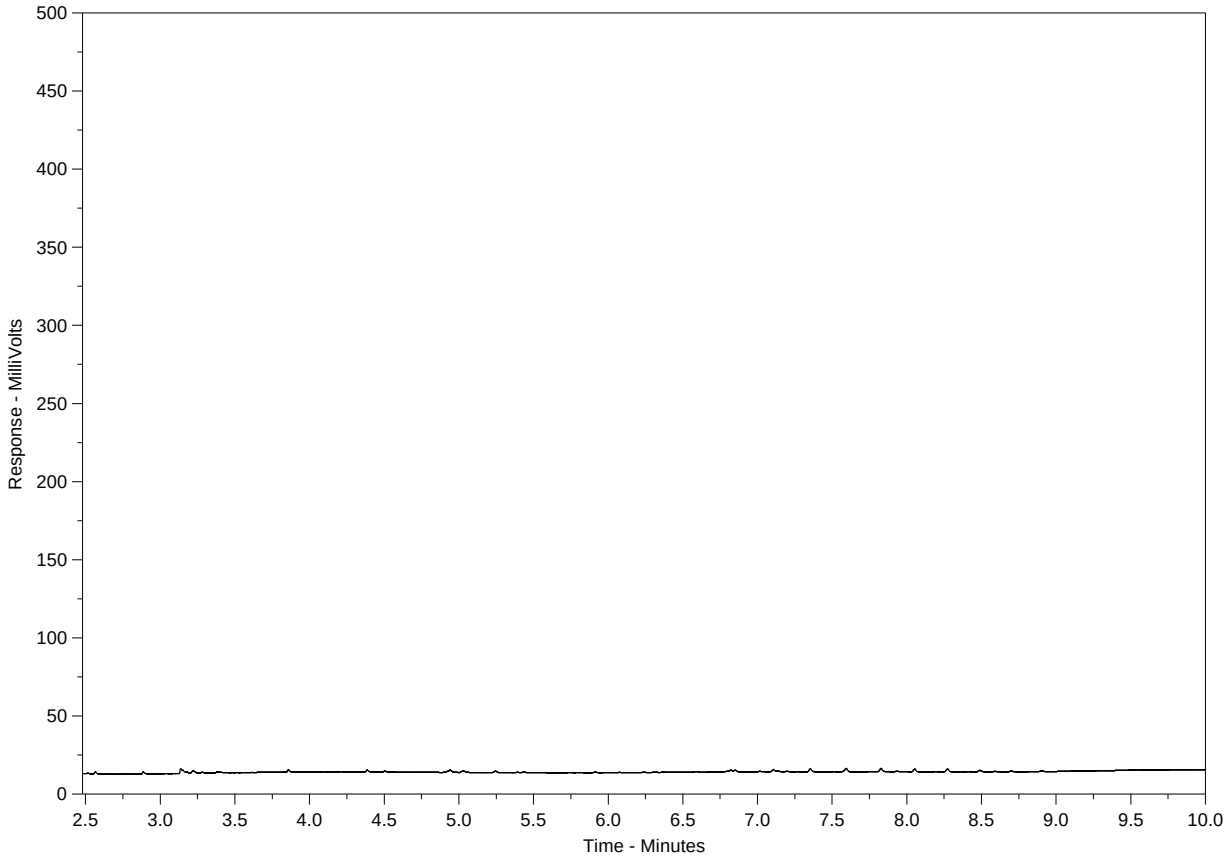
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-17
Client Sample ID: 2017-050-616



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

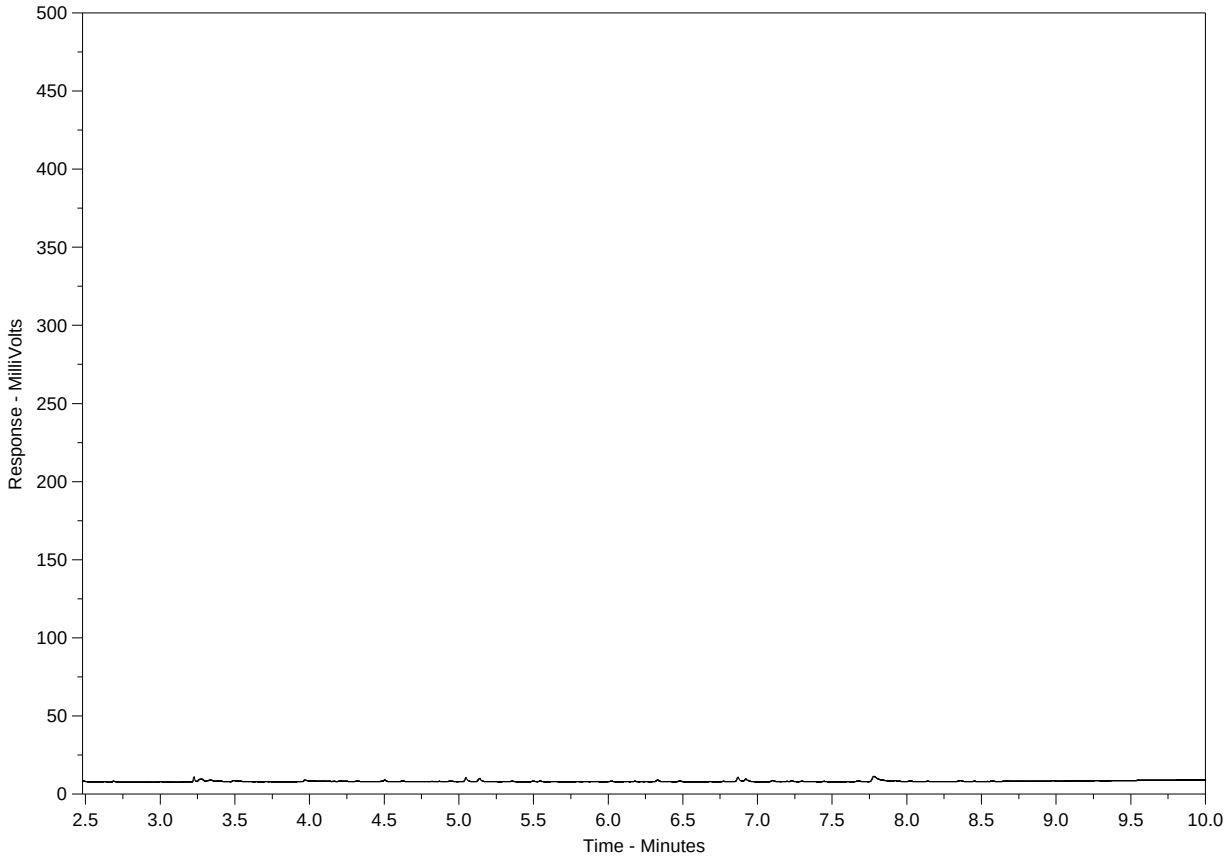
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-18
Client Sample ID: 2017-050-617



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

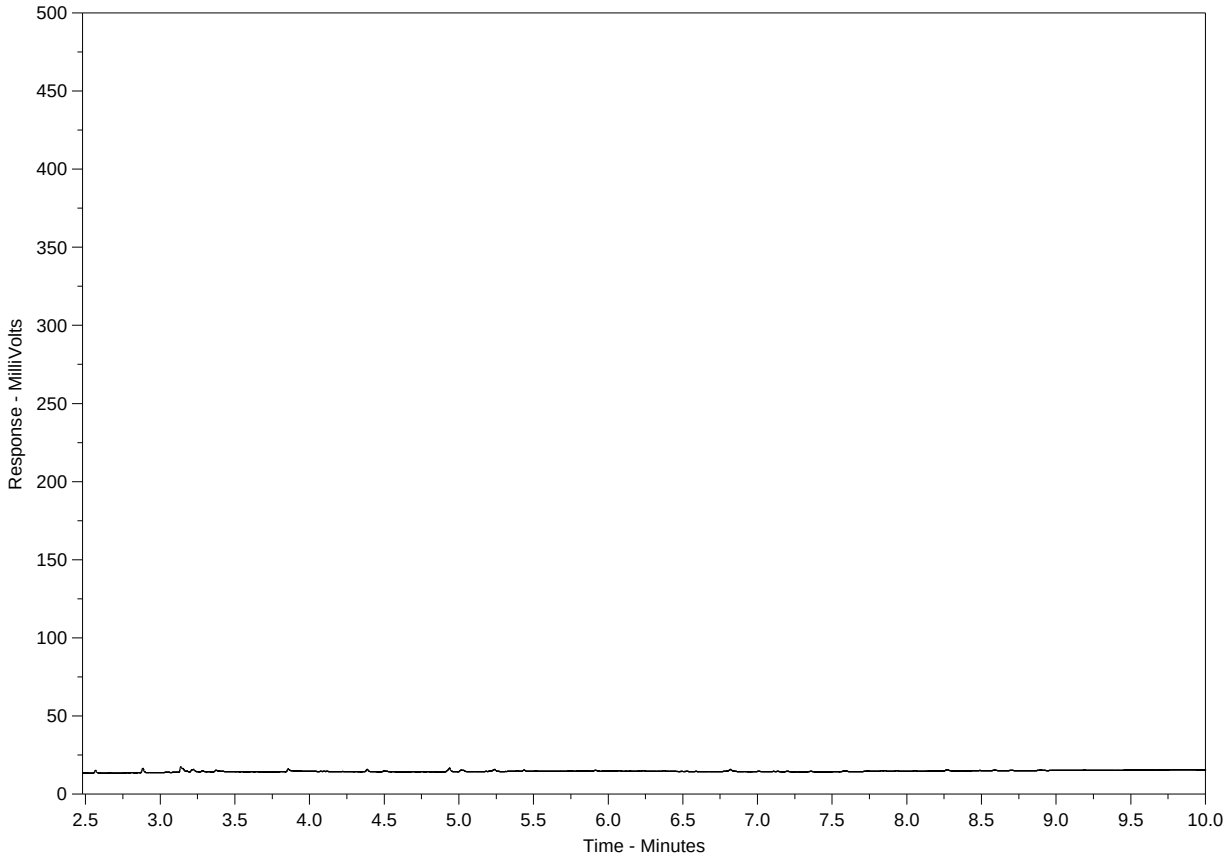
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

Hydrocarbon Distribution Report

ALS Sample ID: L1884636-19
Client Sample ID: 2017-050-618



nC10	nC19	nC32
174°C	330°C	467°C
346°F	626°F	873°F
← Gasoline →	← Motor Oils / Lube Oils / Grease →	
← Diesel / Jet Fuels →		

The EPH Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample. For further interpretation, a current library of reference products is available on www.alsglobal.com or upon request.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and three n-alkane hydrocarbon marker compounds. Retention times may vary between samples by as much as 0.5 minutes.

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

A "-L-" in the sample ID denotes a low level sample. A "-S-" denotes a silica gel cleaned sample.

AL L1884636-COFC

1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286

www.alsenviro.com

CHAIN OF CUSTODY FORM

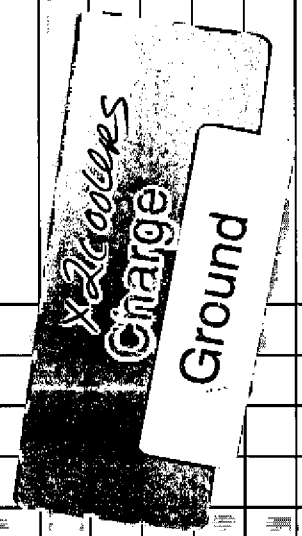
SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE

REPORT FORMAT: ☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr
☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
	2017-050-600	2017-01-27	11:40	water	X	X	X	Drinking Water
	2017-050-601	2017-01-27	11:45	water	X	X	X	Drinking Water
	2017-050-602	2017-01-27	11:50	water	X	X	X	Drinking Water
	2017-050-603	2017-01-27	12:14	water	X	X	X	Drinking Water
	2017-050-604	2017-01-27	12:22	water	X	X	X	Drinking Water
	2017-050-605	2017-01-27	12:25	water	X	X	X	Drinking Water
	2017-050-606	2017-01-27	12:44	water	X	X	X	Drinking Water
	2017-050-607	2017-01-27	12:49	water	X	X	X	Drinking Water
	2017-050-608	2017-01-27	13:15	water	X	X	X	Drinking Water
	2017-050-609	2017-01-27	13:17	water	X	X	X	Drinking Water



TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO: ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT: ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	DATE:	2017-01-27	RECEIVED BY:	DATE:	Jan 28
Shelley Alcock	TIME:	14:46	Shayan	TIME:	1245
RELINQUISHED BY:	DATE:		RECEIVED BY:	DATE:	
	TIME:			TIME:	

FOR LAB USE ONLY

Cooler Seal Intact? ___Yes ___No ___N/A	Sample Temperature: ____°C Frozen? ___Yes ___No	Cooling Method? ___Icepacks ___Ice ___None

A L1884636-COFC

1988 Triumph Street, **Vancouver**, BC Canada V5L 1K5 Tel: 604-253-4188 Toll Free: 1-800-665-0243 Fax: 604-253-6700
#2 -21 Highfield Circle SE, **Calgary**, AB Canada T2G 5N6 Tel: 403-214-5431 Toll Free: 1-866-722-6231 Fax: 403-214-5430
#2 - 8820 100th Street, **Fort St. John**, BC Canada V1J 3W9 Tel: 250-785-8281 Fax: 250-785-8286
www.alsenviro.com

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs											NOTES (sample specific comments, due dates, etc.)
	2017-050-610	2017-01-27	13:20	water	X	X	X											Drinking Water
	2017-050-611	2017-01-27	13:25	water	X	X	X											Drinking Water
	2017-050-612	2017-01-27	13:27	water	X	X	X											Drinking Water
	2017-050-613	2017-01-27	13:47	water	X	X	X											Drinking Water
	2017-050-614	2017-01-27	13:50	water	X	X	X											Drinking Water
	2017-050-615	2017-01-27	13:52	water	X	X	X											Drinking Water
	2017-050-616	2017-01-27	13:53	water	X	X	X											Drinking Water
	2017-050-617	2017-01-27	14:00	water	X	X	X											Drinking Water
	2017-050-618	2017-01-27	14:43	water	X	X	X											Drinking Water
																		~~#N/A~~

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	DATE:	2017-01-27	RECEIVED BY:	DATE:	Jan 28
Shelley Alcock	TIME:	14:45	Shayan	TIME:	1245
RELINQUISHED BY:	DATE:		RECEIVED BY:	DATE:	
	TIME:			TIME:	

5c 4.7c

FOR LAB USE ONLY

Cooler Seal Intact? ___Yes ___No ___N/A	Sample Temperature: ____°C Frozen? ___Yes ___No	Cooling Method? ___Icepacks ___Ice ___None

Your Project #: MILLSTREAM DOMESTIC WELLS
Your C.O.C. #: 08436686

Attention:SHELLEY ALCOCK

CAPITAL REGIONAL DISTRICT
CRD-VIC 625 FISGARD
PO Box 1000
625 Fisgard Street
VICTORIA, BC
Canada V8W 2S6

Report Date: 2017/05/02
Report #: R2376605
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B730513
Received: 2017/04/25, 14:05

Sample Matrix: DRINKING WATER
Samples Received: 22

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
EPH in Water when PAH required	20	2017/04/26	2017/04/26	BBY8SOP-00029	BCMOE EPH w 12/00 m
EPH in Water when PAH required	2	2017/04/27	2017/04/27	BBY8SOP-00029	BCMOE EPH w 12/00 m
PAH in Water by GC/MS (SIM)	2	2017/04/26	2017/04/28	BBY8SOP-00021	EPA 8270d R5 m
PAH in Water by GC/MS (SIM)	18	2017/04/26	2017/04/29	BBY8SOP-00021	EPA 8270d R5 m
PAH in Water by GC/MS (SIM)	2	2017/04/27	2017/04/28	BBY8SOP-00021	EPA 8270d R5 m
Total LMW, HMW, Total PAH Calc	22	N/A	2017/05/01	BBY WI-00033	Auto Calc
EPH less PAH in Water by GC/FID	22	N/A	2017/05/01	BBY WI-00033	Auto Calc
VOCs, VH, F1, LH in Water by HS GC/MS	2	2017/04/26	2017/04/27	BBY8SOP-00009/11/12	BC Lab Manual 2007
VOCs, VH, F1, LH in Water by HS GC/MS	9	2017/04/26	2017/04/28	BBY8SOP-00009/11/12	BC Lab Manual 2007
VOCs, VH, F1, LH in Water by HS GC/MS	11	2017/04/27	2017/04/27	BBY8SOP-00009/11/12	BC Lab Manual 2007
Volatile HC-BTEX	2	N/A	2017/04/27	BBY WI-00033	Auto Calc
Volatile HC-BTEX	20	N/A	2017/04/28	BBY WI-00033	Auto Calc

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

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

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Your Project #: MILLSTREAM DOMESTIC WELLS
Your C.O.C. #: 08436686

Attention:SHELLEY ALCOCK

CAPITAL REGIONAL DISTRICT
CRD-VIC 625 FISGARD
PO Box 1000
625 Fisgard Street
VICTORIA, BC
Canada V8W 2S6

Report Date: 2017/05/02
Report #: R2376605
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B730513
Received: 2017/04/25, 14:05

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Debbie Nordbruget, Project Manager
Email: DNordbruget@maxxam.ca
Phone# (250)385-6112
==========
This report has been generated and distributed using a secure automated process.
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0341	QY0342	QY0343	QY0344	QY0345	QY0346		
Sampling Date			2017/04/25 09:46	2017/04/25 09:51	2017/04/25 09:59	2017/04/25 09:59	2017/04/25 10:18	2017/04/25 10:25		
COC Number			08436686	08436686	08436686	08436686	08436686	08436686		
	UNITS	MAC	2017050620	2017050621	2017050622	2017050623	2017050624	2017050625	RDL	QC Batch
Polycyclic Aromatics										
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8611794
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8611794
Total PAH	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8611794
Quinoline	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Naphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8613184
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8613184
Acenaphthylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Acenaphthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Fluorene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Phenanthrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8613184
Acridine	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Fluoranthene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Pyrene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8613184
Chrysene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8613184
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8613184
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	8613184
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Calculated Parameters										
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8611795
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8611795
Ext. Pet. Hydrocarbon										
EPH (C10-C19)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613177
EPH (C19-C32)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613177
Surrogate Recovery (%)										
O-TERPHENYL (sur.)	%	-	93	93	90	91	99	94		8613177
D10-ANTHRACENE (sur.)	%	-	100	110	101	100	118	107		8613184
D8-ACENAPHTHYLENE (sur.)	%	-	103	105	102	98	113	103		8613184

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0341	QY0342	QY0343	QY0344	QY0345	QY0346		
Sampling Date			2017/04/25 09:46	2017/04/25 09:51	2017/04/25 09:59	2017/04/25 09:59	2017/04/25 10:18	2017/04/25 10:25		
COC Number			08436686	08436686	08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**2017050620**	**2017050621**	**2017050622**	**2017050623**	**2017050624**	**2017050625**	**RDL**	**QC Batch**
D8-NAPHTHALENE (sur.)	%	-	86	84	85	81	91	83		8613184
D9-Acridine	%	-	89	95	90	87	101	93		8613184
TERPHENYL-D14 (sur.)	%	-	99	105	97	95	110	101		8613184

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

RDL = Reportable Detection Limit

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Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0347	QY0348	QY0349	QY0350	QY0351	QY0352		
Sampling Date			2017/04/25 10:31	2017/04/25 10:31	2017/04/25 11:00	2017/04/25 11:08	2017/04/25 11:12	2017/04/25 11:34		
COC Number			08436686	08436686	08436686	08436686	08436686	08436686		
	UNITS	MAC	2017050626	2017050627	2017050628	2017050629	2017050630	2017050631	RDL	QC Batch
Polycyclic Aromatics										
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8611794
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8611794
Total PAH	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8611794
Quinoline	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Naphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8613184
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8613184
Acenaphthylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Acenaphthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Fluorene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Phenanthrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8613184
Acridine	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Fluoranthene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Pyrene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8613184
Chrysene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8613184
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8613184
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	8613184
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Calculated Parameters										
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8611795
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8611795
Ext. Pet. Hydrocarbon										
EPH (C10-C19)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613177
EPH (C19-C32)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613177
Surrogate Recovery (%)										
O-TERPHENYL (sur.)	%	-	91	90	90	89	94	92		8613177
D10-ANTHRACENE (sur.)	%	-	101	109	106	99	113	106		8613184
D8-ACENAPHTHYLENE (sur.)	%	-	105	104	108	104	106	105		8613184

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0347	QY0348	QY0349	QY0350	QY0351	QY0352		
Sampling Date			2017/04/25 10:31	2017/04/25 10:31	2017/04/25 11:00	2017/04/25 11:08	2017/04/25 11:12	2017/04/25 11:34		
COC Number			08436686	08436686	08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**2017050626**	**2017050627**	**2017050628**	**2017050629**	**2017050630**	**2017050631**	**RDL**	**QC Batch**
D8-NAPHTHALENE (sur.)	%	-	88	85	91	85	86	87		8613184
D9-Acridine	%	-	92	95	93	90	89	92		8613184
TERPHENYL-D14 (sur.)	%	-	98	100	101	95	105	100		8613184

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0353	QY0354	QY0355	QY0356	QY0357	QY0358		
Sampling Date			2017/04/25 11:37	2017/04/25 11:41	2017/04/25 11:43	2017/04/25 11:47	2017/04/25 11:51	2017/04/25 12:08		
COC Number			08436686	08436686	08436686	08436686	08436686	08436686		
	UNITS	MAC	2017050632	2017050633	2017050634	2017050635	2017050636	2017050637	RDL	QC Batch
Polycyclic Aromatics										
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8611794
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8611794
Total PAH	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8611794
Quinoline	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Naphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8613184
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8613184
Acenaphthylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Acenaphthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Fluorene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Phenanthrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8613184
Acridine	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Fluoranthene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Pyrene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8613184
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8613184
Chrysene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8613184
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8613184
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	8613184
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8613184
Calculated Parameters										
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8611795
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8611795
Ext. Pet. Hydrocarbon										
EPH (C10-C19)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613177
EPH (C19-C32)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613177
Surrogate Recovery (%)										
O-TERPHENYL (sur.)	%	-	93	89	90	88	92	89		8613177
D10-ANTHRACENE (sur.)	%	-	103	99	113	106	104	101		8613184
D8-ACENAPHTHYLENE (sur.)	%	-	109	107	112	102	107	105		8613184

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0353	QY0354	QY0355	QY0356	QY0357	QY0358		
Sampling Date			2017/04/25 11:37	2017/04/25 11:41	2017/04/25 11:43	2017/04/25 11:47	2017/04/25 11:51	2017/04/25 12:08		
COC Number			08436686	08436686	08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**2017050632**	**2017050633**	**2017050634**	**2017050635**	**2017050636**	**2017050637**	**RDL**	**QC Batch**
D8-NAPHTHALENE (sur.)	%	-	93	86	92	84	87	84		8613184
D9-Acridine	%	-	87	87	71	93	93	89		8613184
TERPHENYL-D14 (sur.)	%	-	100	96	106	99	99	97		8613184

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

RDL = Reportable Detection Limit

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Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0359	QY0360			QY0361	QY0362		
Sampling Date			2017/04/25 12:10	2017/04/25 12:18			2017/04/25 12:22	2017/04/25 13:05		
COC Number			08436686	08436686			08436686	08436686		
	UNITS	MAC	2017050638	2017050639	RDL	QC Batch	2017050640	2017050641	RDL	QC Batch
Polycyclic Aromatics										
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	0.10	8611794	<0.10	<0.10	0.10	8611794
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	0.050	8611794	<0.050	<0.050	0.050	8611794
Total PAH	ug/L	-	<0.10	<0.10	0.10	8611794	<0.10	<0.10	0.10	8611794
Quinoline	ug/L	-	<0.020	<0.020	0.020	8613184	<0.020	<0.020	0.020	8613710
Naphthalene	ug/L	-	<0.10	<0.10	0.10	8613184	<0.10	<0.10	0.10	8613710
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	0.10	8613184	<0.10	<0.10	0.10	8613710
Acenaphthylene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Acenaphthene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Fluorene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Phenanthrene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Anthracene	ug/L	-	<0.010	<0.010	0.010	8613184	<0.010	<0.010	0.010	8613710
Acridine	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Fluoranthene	ug/L	-	<0.020	<0.020	0.020	8613184	<0.020	<0.020	0.020	8613710
Pyrene	ug/L	-	<0.020	<0.020	0.020	8613184	<0.020	<0.020	0.020	8613710
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	0.010	8613184	<0.010	<0.010	0.010	8613710
Chrysene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.020	<0.020	0.020	8613710
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	0.030	8613184	<0.030	<0.030	0.030	8613710
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	0.0050	8613184	<0.0050	<0.0050	0.0050	8613710
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	0.0030	8613184	<0.0030	<0.0030	0.0030	8613710
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	0.050	8613184	<0.050	<0.050	0.050	8613710
Calculated Parameters										
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	0.20	8611795	<0.20	<0.20	0.20	8611795
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	0.20	8611795	<0.20	<0.20	0.20	8611795
Ext. Pet. Hydrocarbon										
EPH (C10-C19)	mg/L	-	<0.20	<0.20	0.20	8613177	<0.20	<0.20	0.20	8613740
EPH (C19-C32)	mg/L	-	<0.20	<0.20	0.20	8613177	<0.20	<0.20	0.20	8613740
Surrogate Recovery (%)										
O-TERPHENYL (sur.)	%	-	91	89		8613177	92	93		8613740
D10-ANTHRACENE (sur.)	%	-	100	96		8613184	111	104		8613710
D8-ACENAPHTHYLENE (sur.)	%	-	102	77		8613184	104	98		8613710

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QY0359	QY0360			QY0361	QY0362		
Sampling Date			2017/04/25 12:10	2017/04/25 12:18			2017/04/25 12:22	2017/04/25 13:05		
COC Number			08436686	08436686			08436686	08436686		
	UNITS	**MAC**	**2017050638**	**2017050639**	**RDL**	**QC Batch**	**2017050640**	**2017050641**	**RDL**	**QC Batch**
D8-NAPHTHALENE (sur.)	%	-	82	91		8613184	90	80		8613710
D9-Acridine	%	-	88	93		8613184	102	107		8613710
TERPHENYL-D14 (sur.)	%	-	96	98		8613184	110	104		8613710

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

RDL = Reportable Detection Limit

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Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0341	QY0342	QY0343	QY0344	QY0345		
Sampling Date				2017/04/25 09:46	2017/04/25 09:51	2017/04/25 09:59	2017/04/25 09:59	2017/04/25 10:18		
COC Number				08436686	08436686	08436686	08436686	08436686		
	UNITS	MAC	AO	2017050620	2017050621	2017050622	2017050623	2017050624	RDL	QC Batch
Volatiles										
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	<300	<300	300	8611528
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8613104
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Chloroform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8613104
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613104
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104

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

RDL = Reportable Detection Limit

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Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0341	QY0342	QY0343	QY0344	QY0345		
Sampling Date				2017/04/25 09:46	2017/04/25 09:51	2017/04/25 09:59	2017/04/25 09:59	2017/04/25 10:18		
COC Number				08436686	08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**AO**	**2017050620**	**2017050621**	**2017050622**	**2017050623**	**2017050624**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
VH C6-C10	ug/L	-	-	<300	<300	<300	<300	<300	300	8613104
Surrogate Recovery (%)										
1,4-Difluorobenzene (sur.)	%	-	-	98	100	107	106	92		8613104
4-Bromofluorobenzene (sur.)	%	-	-	95	98	96	101	81		8613104
D4-1,2-Dichloroethane (sur.)	%	-	-	101	102	111	116	99		8613104

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0346	QY0347	QY0348	QY0349	QY0350		
Sampling Date				2017/04/25 10:25	2017/04/25 10:31	2017/04/25 10:31	2017/04/25 11:00	2017/04/25 11:08		
COC Number				08436686	08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**AO**	**2017050625**	**2017050626**	**2017050627**	**2017050628**	**2017050629**	**RDL**	**QC Batch**
Volatiles										
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	<300	<300	300	8611528
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8613104
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Chloroform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8613104
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613104
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613104

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0346	QY0347	QY0348	QY0349	QY0350		
Sampling Date				2017/04/25 10:25	2017/04/25 10:31	2017/04/25 10:31	2017/04/25 11:00	2017/04/25 11:08		
COC Number				08436686	08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**AO**	**2017050625**	**2017050626**	**2017050627**	**2017050628**	**2017050629**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613104
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613104
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613104
VH C6-C10	ug/L	-	-	<300	<300	<300	<300	<300	300	8613104
Surrogate Recovery (%)										
1,4-Difluorobenzene (sur.)	%	-	-	106	99	89	107	106		8613104
4-Bromofluorobenzene (sur.)	%	-	-	95	87	77	97	97		8613104
D4-1,2-Dichloroethane (sur.)	%	-	-	112	107	95	114	114		8613104

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0351		QY0352	QY0353	QY0354	QY0355		
Sampling Date				2017/04/25 11:12		2017/04/25 11:34	2017/04/25 11:37	2017/04/25 11:41	2017/04/25 11:43		
COC Number				08436686		08436686	08436686	08436686	08436686		
	UNITS	MAC	AO	2017050630	QC Batch	2017050631	2017050632	2017050633	2017050634	RDL	QC Batch
Volatiles											
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	8611528	<300	<300	<300	<300	300	8611528
Chloromethane	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Vinyl chloride	ug/L	2	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Chloroethane	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Trichlorofluoromethane	ug/L	-	-	<4.0	8613104	<4.0	<4.0	<4.0	<4.0	4.0	8613792
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	8613104	<2.0	<2.0	<2.0	<2.0	2.0	8613792
Dichlorodifluoromethane	ug/L	-	-	<2.0	8613104	<2.0	<2.0	<2.0	<2.0	2.0	8613792
1,1-dichloroethene	ug/L	14	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Dichloromethane	ug/L	50	-	<2.0	8613104	<2.0	<2.0	<2.0	<2.0	2.0	8613792
trans-1,2-dichloroethene	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
1,1-dichloroethane	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
cis-1,2-dichloroethene	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Chloroform	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
1,1,1-trichloroethane	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,2-dichloroethane	ug/L	5	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Carbon tetrachloride	ug/L	2	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Benzene	ug/L	5	-	<0.40	8613104	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	8613104	<4.0	<4.0	<4.0	<4.0	4.0	8613792
1,2-dichloropropane	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
cis-1,3-dichloropropene	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
trans-1,3-dichloropropene	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Bromomethane	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
1,1,2-trichloroethane	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Trichloroethene	ug/L	5	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Chlorodibromomethane	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
1,2-dibromoethane	ug/L	-	-	<0.20	8613104	<0.20	<0.20	<0.20	<0.20	0.20	8613792
Tetrachloroethene	ug/L	10	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Bromodichloromethane	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Toluene	ug/L	60	24	<0.40	8613104	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Ethylbenzene	ug/L	140	1.6	<0.40	8613104	<0.40	<0.40	<0.40	<0.40	0.40	8613792
m & p-Xylene	ug/L	-	-	<0.40	8613104	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Bromoform	ug/L	-	-	<1.0	8613104	<1.0	<1.0	<1.0	<1.0	1.0	8613792

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0351		QY0352	QY0353	QY0354	QY0355		
Sampling Date				2017/04/25 11:12		2017/04/25 11:34	2017/04/25 11:37	2017/04/25 11:41	2017/04/25 11:43		
COC Number				08436686		08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**AO**	**2017050630**	**QC Batch**	**2017050631**	**2017050632**	**2017050633**	**2017050634**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
o-Xylene	ug/L	-	-	<0.40	8613104	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Xylenes (Total)	ug/L	90	20	<0.40	8613104	<0.40	<0.40	<0.40	<0.40	0.40	8613792
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,2-dichlorobenzene	ug/L	200	3	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,3-dichlorobenzene	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,4-dichlorobenzene	ug/L	5	1	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Chlorobenzene	ug/L	80	30	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	8613104	<2.0	<2.0	<2.0	<2.0	2.0	8613792
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	8613104	<2.0	<2.0	<2.0	<2.0	2.0	8613792
Hexachlorobutadiene	ug/L	-	-	<0.50	8613104	<0.50	<0.50	<0.50	<0.50	0.50	8613792
VH C6-C10	ug/L	-	-	<300	8613104	<300	<300	<300	<300	300	8613792
Surrogate Recovery (%)											
1,4-Difluorobenzene (sur.)	%	-	-	106	8613104	87	107	107	100		8613792
4-Bromofluorobenzene (sur.)	%	-	-	92	8613104	84	106	100	94		8613792
D4-1,2-Dichloroethane (sur.)	%	-	-	113	8613104	86	104	103	96		8613792

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0356	QY0357	QY0358	QY0359	QY0360		
Sampling Date				2017/04/25 11:47	2017/04/25 11:51	2017/04/25 12:08	2017/04/25 12:10	2017/04/25 12:18		
COC Number				08436686	08436686	08436686	08436686	08436686		
	UNITS	MAC	AO	2017050635	2017050636	2017050637	2017050638	2017050639	RDL	QC Batch
Volatiles										
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	<300	<300	300	8611528
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8613792
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613792
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613792
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613792
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Chloroform	ug/L	-	-	<1.0	<1.0	2.0	<1.0	6.1	1.0	8613792
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8613792
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	4.2	1.0	8613792
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8613792
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	5.8	1.0	8613792
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613792
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8613792

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0356	QY0357	QY0358	QY0359	QY0360		
Sampling Date				2017/04/25 11:47	2017/04/25 11:51	2017/04/25 12:08	2017/04/25 12:10	2017/04/25 12:18		
COC Number				08436686	08436686	08436686	08436686	08436686		
	UNITS	**MAC**	**AO**	**2017050635**	**2017050636**	**2017050637**	**2017050638**	**2017050639**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613792
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8613792
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613792
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8613792
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8613792
VH C6-C10	ug/L	-	-	<300	<300	<300	<300	<300	300	8613792
Surrogate Recovery (%)										
1,4-Difluorobenzene (sur.)	%	-	-	108	107	97	100	95		8613792
4-Bromofluorobenzene (sur.)	%	-	-	104	98	87	95	90		8613792
D4-1,2-Dichloroethane (sur.)	%	-	-	104	105	94	97	94		8613792

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

RDL = Reportable Detection Limit

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Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0361	QY0362		
Sampling Date				2017/04/25 12:22	2017/04/25 13:05		
COC Number				08436686	08436686		
	UNITS	MAC	AO	2017050640	2017050641	RDL	QC Batch
Volatiles							
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	300	8611528
Chloromethane	ug/L	-	-	<1.0	<1.0	1.0	8613792
Vinyl chloride	ug/L	2	-	<0.50	<0.50	0.50	8613792
Chloroethane	ug/L	-	-	<1.0	<1.0	1.0	8613792
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	4.0	8613792
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	2.0	8613792
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	2.0	8613792
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	0.50	8613792
Dichloromethane	ug/L	50	-	<2.0	<2.0	2.0	8613792
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	1.0	8613792
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	0.50	8613792
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	1.0	8613792
Chloroform	ug/L	-	-	6.4	<1.0	1.0	8613792
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	0.50	8613792
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	0.50	8613792
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	0.50	8613792
Benzene	ug/L	5	-	<0.40	<0.40	0.40	8613792
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	4.0	8613792
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	0.50	8613792
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	1.0	8613792
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	1.0	8613792
Bromomethane	ug/L	-	-	<1.0	<1.0	1.0	8613792
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	0.50	8613792
Trichloroethene	ug/L	5	-	<0.50	<0.50	0.50	8613792
Chlorodibromomethane	ug/L	-	-	4.0	<1.0	1.0	8613792
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	0.20	8613792
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	0.50	8613792
Bromodichloromethane	ug/L	-	-	5.6	<1.0	1.0	8613792
Toluene	ug/L	60	24	<0.40	<0.40	0.40	8613792
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	0.40	8613792
m & p-Xylene	ug/L	-	-	<0.40	<0.40	0.40	8613792
Bromoform	ug/L	-	-	<1.0	<1.0	1.0	8613792

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

RDL = Reportable Detection Limit

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Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QY0361	QY0362		
Sampling Date				2017/04/25 12:22	2017/04/25 13:05		
COC Number				08436686	08436686		
	UNITS	MAC	AO	2017050640	2017050641	RDL	QC Batch
Styrene	ug/L	-	-	<0.50	<0.50	0.50	8613792
o-Xylene	ug/L	-	-	<0.40	<0.40	0.40	8613792
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	0.40	8613792
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	0.50	8613792
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	0.50	8613792
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	0.50	8613792
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	0.50	8613792
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	0.50	8613792
Chlorobenzene	ug/L	80	30	<0.50	<0.50	0.50	8613792
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	2.0	8613792
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	2.0	8613792
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	0.50	8613792
VH C6-C10	ug/L	-	-	<300	<300	300	8613792
Surrogate Recovery (%)							
1,4-Difluorobenzene (sur.)	%	-	-	97	91		8613792
4-Bromofluorobenzene (sur.)	%	-	-	90	85		8613792
D4-1,2-Dichloroethane (sur.)	%	-	-	95	88		8613792

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

RDL = Reportable Detection Limit

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CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

GENERAL COMMENTS

MAC,AO: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, February 2017.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:
1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.

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Report Date: 2017/05/02

QUALITY ASSURANCE REPORT

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8613104	1,4-Difluorobenzene (sur.)	2017/04/27	98	70 - 130	98	70 - 130	98	%		
8613104	4-Bromofluorobenzene (sur.)	2017/04/27	101	70 - 130	102	70 - 130	90	%		
8613104	D4-1,2-Dichloroethane (sur.)	2017/04/27	102	70 - 130	101	70 - 130	102	%		
8613177	O-TERPHENYL (sur.)	2017/04/26	98	60 - 140	95	60 - 140	101	%		
8613184	D10-ANTHRACENE (sur.)	2017/04/28	104	60 - 130	98	60 - 130	114	%		
8613184	D8-ACENAPHTHYLENE (sur.)	2017/04/28	100	50 - 130	99	50 - 130	106	%		
8613184	D8-NAPHTHALENE (sur.)	2017/04/28	81	50 - 130	78	50 - 130	86	%		
8613184	D9-Acridine	2017/04/28	84	50 - 130	88	50 - 130	97	%		
8613184	TERPHENYL-D14 (sur.)	2017/04/28	98	60 - 130	98	60 - 130	113	%		
8613710	D10-ANTHRACENE (sur.)	2017/04/28	99	60 - 130	101	60 - 130	115	%		
8613710	D8-ACENAPHTHYLENE (sur.)	2017/04/28	101	50 - 130	102	50 - 130	110	%		
8613710	D8-NAPHTHALENE (sur.)	2017/04/28	88	50 - 130	81	50 - 130	94	%		
8613710	D9-Acridine	2017/04/28	106	50 - 130	115	50 - 130	115	%		
8613710	TERPHENYL-D14 (sur.)	2017/04/28	102	60 - 130	101	60 - 130	113	%		
8613740	O-TERPHENYL (sur.)	2017/04/27	95	60 - 140	93	60 - 140	102	%		
8613792	1,4-Difluorobenzene (sur.)	2017/04/27	99	70 - 130	105	70 - 130	91	%		
8613792	4-Bromofluorobenzene (sur.)	2017/04/27	106	70 - 130	107	70 - 130	84	%		
8613792	D4-1,2-Dichloroethane (sur.)	2017/04/27	97	70 - 130	98	70 - 130	81	%		
8613104	1,1,1,2-tetrachloroethane	2017/04/27	96	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
8613104	1,1,1-trichloroethane	2017/04/27	93	70 - 130	90	70 - 130	<0.50	ug/L	NC	30
8613104	1,1,2,2-tetrachloroethane	2017/04/27	105	70 - 130	99	70 - 130	<0.50	ug/L	NC	30
8613104	1,1,2Trichloro-1,2,2Trifluoroethane	2017/04/27					<2.0	ug/L	NC	30
8613104	1,1,2-trichloroethane	2017/04/27	99	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8613104	1,1-dichloroethane	2017/04/27	94	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
8613104	1,1-dichloroethene	2017/04/27	107	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
8613104	1,2,3-trichlorobenzene	2017/04/27	99	70 - 130	97	70 - 130	<2.0	ug/L	NC	30
8613104	1,2,4-trichlorobenzene	2017/04/27	102	70 - 130	101	70 - 130	<2.0	ug/L	NC	30
8613104	1,2-dibromoethane	2017/04/27	98	70 - 130	93	70 - 130	<0.20	ug/L	NC	30
8613104	1,2-dichlorobenzene	2017/04/27	109	70 - 130	107	70 - 130	<0.50	ug/L	NC	30
8613104	1,2-dichloroethane	2017/04/27	90	70 - 130	86	70 - 130	<0.50	ug/L	NC	30
8613104	1,2-dichloropropane	2017/04/27	98	70 - 130	95	70 - 130	<0.50	ug/L	NC	30

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Maxxam Job #: B730513
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QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8613104	1,3-dichlorobenzene	2017/04/27	104	70 - 130	91	70 - 130	<0.50	ug/L	NC	30
8613104	1,4-dichlorobenzene	2017/04/27	103	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8613104	Benzene	2017/04/27	93	70 - 130	87	70 - 130	<0.40	ug/L	NC	30
8613104	Bromodichloromethane	2017/04/27	91	70 - 130	89	70 - 130	<1.0	ug/L	NC	30
8613104	Bromoform	2017/04/27	91	70 - 130	87	70 - 130	<1.0	ug/L	NC	30
8613104	Bromomethane	2017/04/27	102	60 - 140	89	60 - 140	<1.0	ug/L	NC	30
8613104	Carbon tetrachloride	2017/04/27	90	70 - 130	88	70 - 130	<0.50	ug/L	NC	30
8613104	Chlorobenzene	2017/04/27	96	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8613104	Chlorodibromomethane	2017/04/27	95	70 - 130	91	70 - 130	<1.0	ug/L	NC	30
8613104	Chloroethane	2017/04/27	86	60 - 140	85	60 - 140	<1.0	ug/L	NC	30
8613104	Chloroform	2017/04/27	94	70 - 130	91	70 - 130	<1.0	ug/L	NC	30
8613104	Chloromethane	2017/04/27	108	60 - 140	103	60 - 140	<1.0	ug/L	NC	30
8613104	cis-1,2-dichloroethene	2017/04/27	99	70 - 130	97	70 - 130	<1.0	ug/L	NC	30
8613104	cis-1,3-dichloropropene	2017/04/27	94	70 - 130	80	70 - 130	<1.0	ug/L	NC	30
8613104	Dichlorodifluoromethane	2017/04/27	100	60 - 140	96	60 - 140	<2.0	ug/L	NC	30
8613104	Dichloromethane	2017/04/27	97	70 - 130	94	70 - 130	<2.0	ug/L	NC	30
8613104	Ethylbenzene	2017/04/27	101	70 - 130	98	70 - 130	<0.40	ug/L	NC	30
8613104	Hexachlorobutadiene	2017/04/27	93	70 - 130	92	70 - 130	<0.50	ug/L	NC	30
8613104	m & p-Xylene	2017/04/27	105	70 - 130	103	70 - 130	<0.40	ug/L	NC	30
8613104	Methyl-tert-butylether (MTBE)	2017/04/27	107	70 - 130	104	70 - 130	<4.0	ug/L	NC	30
8613104	o-Xylene	2017/04/27	107	70 - 130	103	70 - 130	<0.40	ug/L	NC	30
8613104	Styrene	2017/04/27	87	70 - 130	85	70 - 130	<0.50	ug/L	NC	30
8613104	Tetrachloroethene	2017/04/27	92	70 - 130	91	70 - 130	<0.50	ug/L	NC	30
8613104	Toluene	2017/04/27	99	70 - 130	96	70 - 130	<0.40	ug/L	NC	30
8613104	trans-1,2-dichloroethene	2017/04/27	95	70 - 130	94	70 - 130	<1.0	ug/L	NC	30
8613104	trans-1,3-dichloropropene	2017/04/27	72	70 - 130	61 (1)	70 - 130	<1.0	ug/L	NC	30
8613104	Trichloroethene	2017/04/27	95	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
8613104	Trichlorofluoromethane	2017/04/27	117	60 - 140	112	60 - 140	<4.0	ug/L	NC	30
8613104	VH C6-C10	2017/04/27			109	70 - 130	<300	ug/L	NC	30
8613104	Vinyl chloride	2017/04/27	113	60 - 140	109	60 - 140	<0.50	ug/L	NC	30
8613104	Xylenes (Total)	2017/04/27					<0.40	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8613177	EPH (C10-C19)	2017/04/26	99	60 - 140	95	70 - 130	<0.20	mg/L	NC	30
8613177	EPH (C19-C32)	2017/04/26	91	60 - 140	92	70 - 130	<0.20	mg/L	NC	30
8613184	2-Methylnaphthalene	2017/04/29	90	50 - 130	85	50 - 130	<0.10	ug/L	NC	40
8613184	Acenaphthene	2017/04/29	91	50 - 130	89	50 - 130	<0.050	ug/L	NC	40
8613184	Acenaphthylene	2017/04/29	92	50 - 130	89	50 - 130	<0.050	ug/L	NC	40
8613184	Acridine	2017/04/29	78	50 - 130	81	50 - 130	<0.050	ug/L	NC	40
8613184	Anthracene	2017/04/29	100	60 - 130	100	60 - 130	<0.010	ug/L	NC	40
8613184	Benzo(a)anthracene	2017/04/29	88	60 - 130	87	60 - 130	<0.010	ug/L	NC	40
8613184	Benzo(a)pyrene	2017/04/29	98	60 - 130	100	60 - 130	<0.0050	ug/L	NC	40
8613184	Benzo(b&j)fluoranthene	2017/04/29	96	60 - 130	94	60 - 130	<0.030	ug/L	NC	40
8613184	Benzo(g,h,i)perylene	2017/04/29	59 (1)	60 - 130	102	60 - 130	<0.050	ug/L	NC	40
8613184	Benzo(k)fluoranthene	2017/04/29	95	60 - 130	102	60 - 130	<0.050	ug/L	NC	40
8613184	Chrysene	2017/04/29	89	60 - 130	88	60 - 130	<0.050	ug/L	NC	40
8613184	Dibenz(a,h)anthracene	2017/04/29	57 (1)	60 - 130	100	60 - 130	<0.0030	ug/L	NC	40
8613184	Fluoranthene	2017/04/29	90	60 - 130	87	60 - 130	<0.020	ug/L	NC	40
8613184	Fluorene	2017/04/29	84	50 - 130	83	50 - 130	<0.050	ug/L	NC	40
8613184	Indeno(1,2,3-cd)pyrene	2017/04/29	62	60 - 130	105	60 - 130	<0.050	ug/L	NC	40
8613184	Naphthalene	2017/04/29	84	50 - 130	78	50 - 130	<0.10	ug/L	NC	40
8613184	Phenanthrene	2017/04/29	89	60 - 130	81	60 - 130	<0.050	ug/L	NC	40
8613184	Pyrene	2017/04/29	91	60 - 130	89	60 - 130	<0.020	ug/L	NC	40
8613184	Quinoline	2017/04/29	111	50 - 130	111	50 - 130	<0.020	ug/L	NC	40
8613710	2-Methylnaphthalene	2017/04/29	86	50 - 130	84	50 - 130	<0.10	ug/L	NC	40
8613710	Acenaphthene	2017/04/29	98	50 - 130	94	50 - 130	<0.050	ug/L	NC	40
8613710	Acenaphthylene	2017/04/29	93	50 - 130	87	50 - 130	<0.050	ug/L	NC	40
8613710	Acridine	2017/04/29	104	50 - 130	102	50 - 130	<0.050	ug/L	NC	40
8613710	Anthracene	2017/04/29	99	60 - 130	96	60 - 130	<0.010	ug/L	NC	40
8613710	Benzo(a)anthracene	2017/04/29	102	60 - 130	100	60 - 130	<0.010	ug/L	NC	40
8613710	Benzo(a)pyrene	2017/04/29	93	60 - 130	90	60 - 130	<0.0050	ug/L	NC	40
8613710	Benzo(b&j)fluoranthene	2017/04/29	101	60 - 130	107	60 - 130	<0.030	ug/L	NC	40
8613710	Benzo(g,h,i)perylene	2017/04/29	95	60 - 130	96	60 - 130	<0.050	ug/L	NC	40
8613710	Benzo(k)fluoranthene	2017/04/29	107	60 - 130	106	60 - 130	<0.050	ug/L	NC	40

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QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8613710	Chrysene	2017/04/29	99	60 - 130	101	60 - 130	<0.020	ug/L	NC	40
8613710	Dibenz(a,h)anthracene	2017/04/29	95	60 - 130	95	60 - 130	<0.0030	ug/L	NC	40
8613710	Fluoranthene	2017/04/29	97	60 - 130	95	60 - 130	<0.020	ug/L	NC	40
8613710	Fluorene	2017/04/29	92	50 - 130	88	50 - 130	<0.050	ug/L	NC	40
8613710	Indeno(1,2,3-cd)pyrene	2017/04/29	98	60 - 130	100	60 - 130	<0.050	ug/L	NC	40
8613710	Naphthalene	2017/04/29	81	50 - 130	82	50 - 130	<0.10	ug/L	NC	40
8613710	Phenanthrene	2017/04/29	91	60 - 130	93	60 - 130	<0.050	ug/L	NC	40
8613710	Pyrene	2017/04/29	97	60 - 130	99	60 - 130	<0.020	ug/L	NC	40
8613710	Quinoline	2017/04/29	108	50 - 130	103	50 - 130	<0.020	ug/L	NC	40
8613740	EPH (C10-C19)	2017/04/27	101	60 - 140	98	70 - 130	<0.20	mg/L	NC	30
8613740	EPH (C19-C32)	2017/04/27	89	60 - 140	87	70 - 130	<0.20	mg/L	NC	30
8613792	1,1,1,2-tetrachloroethane	2017/04/27	94	70 - 130	82	70 - 130	<0.50	ug/L	NC	30
8613792	1,1,1-trichloroethane	2017/04/27	95	70 - 130	83	70 - 130	<0.50	ug/L	NC	30
8613792	1,1,2,2-tetrachloroethane	2017/04/27	86	70 - 130	82	70 - 130	<0.50	ug/L	NC	30
8613792	1,1,2Trichloro-1,2,2Trifluoroethane	2017/04/27					<2.0	ug/L	NC	30
8613792	1,1,2-trichloroethane	2017/04/27	91	70 - 130	82	70 - 130	<0.50	ug/L	NC	30
8613792	1,1-dichloroethane	2017/04/27	89	70 - 130	80	70 - 130	<0.50	ug/L	NC	30
8613792	1,1-dichloroethene	2017/04/27	97	70 - 130	85	70 - 130	<0.50	ug/L	NC	30
8613792	1,2,3-trichlorobenzene	2017/04/27	88	70 - 130	72	70 - 130	<2.0	ug/L	NC	30
8613792	1,2,4-trichlorobenzene	2017/04/27	95	70 - 130	78	70 - 130	<2.0	ug/L	NC	30
8613792	1,2-dibromoethane	2017/04/27	91	70 - 130	81	70 - 130	<0.20	ug/L	NC	30
8613792	1,2-dichlorobenzene	2017/04/27	101	70 - 130	87	70 - 130	<0.50	ug/L	NC	30
8613792	1,2-dichloroethane	2017/04/27	80	70 - 130	77	70 - 130	<0.50	ug/L	NC	30
8613792	1,2-dichloropropane	2017/04/27	92	70 - 130	80	70 - 130	<0.50	ug/L	NC	30
8613792	1,3-dichlorobenzene	2017/04/27	102	70 - 130	86	70 - 130	<0.50	ug/L	NC	30
8613792	1,4-dichlorobenzene	2017/04/27	100	70 - 130	86	70 - 130	<0.50	ug/L	NC	30
8613792	Benzene	2017/04/27	94	70 - 130	82	70 - 130	<0.40	ug/L	NC	30
8613792	Bromodichloromethane	2017/04/27	90	70 - 130	80	70 - 130	<1.0	ug/L	NC	30
8613792	Bromoform	2017/04/27	88	70 - 130	76	70 - 130	<1.0	ug/L	NC	30
8613792	Bromomethane	2017/04/27	96	60 - 140	81	60 - 140	<1.0	ug/L	NC	30
8613792	Carbon tetrachloride	2017/04/27	107	70 - 130	84	70 - 130	<0.50	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8613792	Chlorobenzene	2017/04/27	89	70 - 130	84	70 - 130	<0.50	ug/L	NC	30
8613792	Chlorodibromomethane	2017/04/27	94	70 - 130	83	70 - 130	<1.0	ug/L	NC	30
8613792	Chloroethane	2017/04/27	118	60 - 140	108	60 - 140	<1.0	ug/L	NC	30
8613792	Chloroform	2017/04/27	91	70 - 130	81	70 - 130	<1.0	ug/L	NC	30
8613792	Chloromethane	2017/04/27	96	60 - 140	87	60 - 140	<1.0	ug/L	NC	30
8613792	cis-1,2-dichloroethene	2017/04/27	95	70 - 130	84	70 - 130	<1.0	ug/L	NC	30
8613792	cis-1,3-dichloropropene	2017/04/27	103	70 - 130	92	70 - 130	<1.0	ug/L	NC	30
8613792	Dichlorodifluoromethane	2017/04/27	100	60 - 140	89	60 - 140	<2.0	ug/L	NC	30
8613792	Dichloromethane	2017/04/27	91	70 - 130	81	70 - 130	<2.0	ug/L	NC	30
8613792	Ethylbenzene	2017/04/27	95	70 - 130	82	70 - 130	<0.40	ug/L	NC	30
8613792	Hexachlorobutadiene	2017/04/27	96	70 - 130	78	70 - 130	<0.50	ug/L	NC	30
8613792	m & p-Xylene	2017/04/27	103	70 - 130	88	70 - 130	<0.40	ug/L	NC	30
8613792	Methyl-tert-butylether (MTBE)	2017/04/27	106	70 - 130	94	70 - 130	<4.0	ug/L	NC	30
8613792	o-Xylene	2017/04/27	101	70 - 130	87	70 - 130	<0.40	ug/L	NC	30
8613792	Styrene	2017/04/27	101	70 - 130	84	70 - 130	<0.50	ug/L	NC	30
8613792	Tetrachloroethene	2017/04/27	97	70 - 130	82	70 - 130	<0.50	ug/L	NC	30
8613792	Toluene	2017/04/27	95	70 - 130	83	70 - 130	<0.40	ug/L	NC	30
8613792	trans-1,2-dichloroethene	2017/04/27	93	70 - 130	81	70 - 130	<1.0	ug/L	NC	30
8613792	trans-1,3-dichloropropene	2017/04/27	92	70 - 130	82	70 - 130	<1.0	ug/L	NC	30
8613792	Trichloroethene	2017/04/27	94	70 - 130	81	70 - 130	<0.50	ug/L	NC	30
8613792	Trichlorofluoromethane	2017/04/27	112	60 - 140	98	60 - 140	<4.0	ug/L	NC	30
8613792	VH C6-C10	2017/04/27			104	70 - 130	<300	ug/L	NC	30
8613792	Vinyl chloride	2017/04/27	103	60 - 140	92	60 - 140	<0.50	ug/L	NC	30

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Maxxam Job #: B730513
Report Date: 2017/05/02

QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8613792	Xylenes (Total)	2017/04/27					<0.40	ug/L	NC	30

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Maxxam Job #: B730513
Report Date: 2017/05/02

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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B730513

Maxxam

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5 Ph: (604) 734-7276 Fax: (604) 731-2386, Toll Free: (800) 665-8566
Project Name: Millstream Meadows Domestic Wells
Contract #: EPRO2016-085

08436686

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr ☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

		SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs										NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY		2017-050-620	2017-04-25	9:46	water	X	X	X										Drinking Water
		2017-050-621	2017-04-25	9:51	water	X	X	X										Drinking Water
		2017-050-622	2017-04-25	9:59	water	X	X	X										Drinking Water
		2017-050-623	2017-04-25	9:59	water	X	X	X										Drinking Water
		2017-050-624	2017-04-25	10:18	water	X	X	X										Drinking Water
		2017-050-625	2017-04-25	10:25	water	X	X	X										Drinking Water
		2017-050-626	2017-04-25	10:31	water	X	X	X										Drinking Water
		2017-050-627	2017-04-25	10:31	water	X	X	X										Drinking Water
		2017-050-628	2017-04-25	11:00	water	X	X	X										Drinking Water
		2017-050-629	2017-04-25	11:08	water	X	X	X										Drinking Water

TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY: Shelley Alcock	DATE: 2017-04-25 TIME: ~~13:15~~	RECEIVED BY:	DATE: TIME:	
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE: TIME:	RECEIVED BY: JHood	DATE: 17/04/25 TIME: 14:05	
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX					

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____°C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

8, 13, 10

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B730513

Maxxam

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5 Ph: (604) 734-7276 Fax: (604) 731-2386, Toll Free: (800) 665-8566
Project Name: Millstream Meadows Domestic Wells
Contract #: EPRO2016-085

CHAIN OF CUSTODY FORM

08936686

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

		SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs										NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY		2017-050-630	2017-04-25	11:12	water	X	X	X										Drinking Water
		2017-050-631	2017-04-25	11:34	water	X	X	X										Drinking Water
		2017-050-632	2017-04-25	11:37	water	X	X	X										Drinking Water
		2017-050-633	2017-04-25	11:41	water	X	X	X										Drinking Water
		2017-050-634	2017-04-25	11:43	water	X	X	X										Drinking Water
		2017-050-635	2017-04-25	11:47	water	X	X	X										Drinking Water
		2017-050-636	2017-04-25	11:51	water	X	X	X										Drinking Water
		2017-050-637	2017-04-25	12:08	water	X	X	X										Drinking Water
		2017-050-638	2017-04-25	12:10	water	X	X	X										Drinking Water
		2017-050-639	2017-04-25	12:18	water	X	X	X										Drinking Water

TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY:	DATE:	2017-04-25	RECEIVED BY:	DATE:	
		Shelley Alcock	TIME:	~~13:15~~	14:05	TIME:	
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE:		RECEIVED BY:	DATE:	17/04/25
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX		TIME:		[illegible]	TIME:	1405

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____ °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

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B730513

Maxxam

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5 Ph: (604) 734-7276 Fax: (604) 731-2386, Toll Free: (800) 665-8566
Project Name: Millstream Meadows Domestic Wells
Contract #: EPRO2016-085

CHAIN OF CUSTODY FORM 08436686

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr ☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
FOR LAB USE ONLY	2017-050-640	2017-04-25	12:22	water	X	X	X	Drinking Water
	2017-050-641	2017-04-25	13:05	water	X	X	X	Drinking Water

TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY:	DATE:	2017-04-25	RECEIVED BY:	DATE:	
		Shelley Alcock	TIME:	~~13:15~~	14:05	TIME:	
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE:		RECEIVED BY:	DATE:	17/04/25
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX		TIME:		[illegible] SHood	TIME:	14:05

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

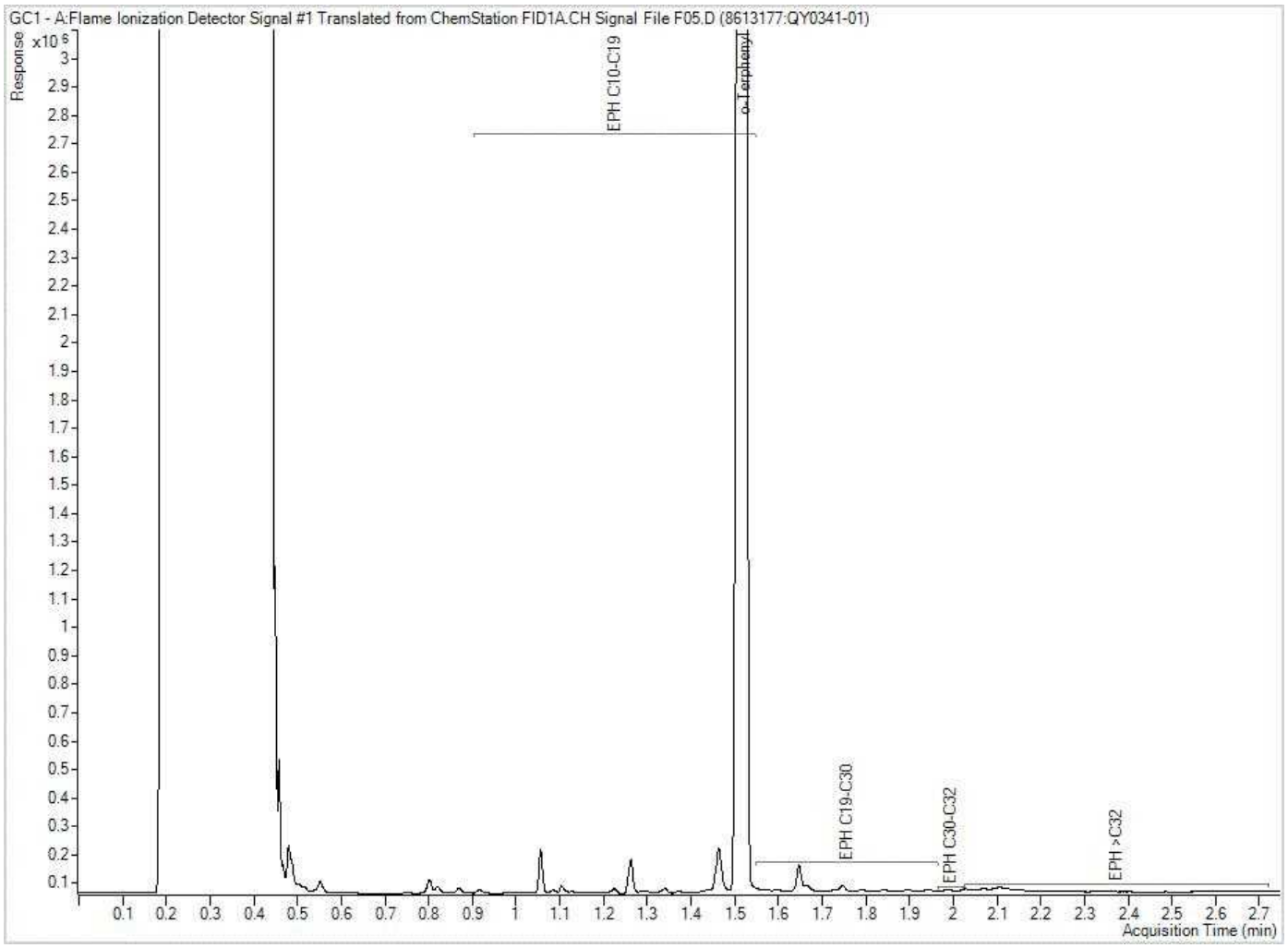
Cooler Seal Intact?	Sample Temperature: ____°C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

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Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0341

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050620

EPH in Water when PAH required Chromatogram

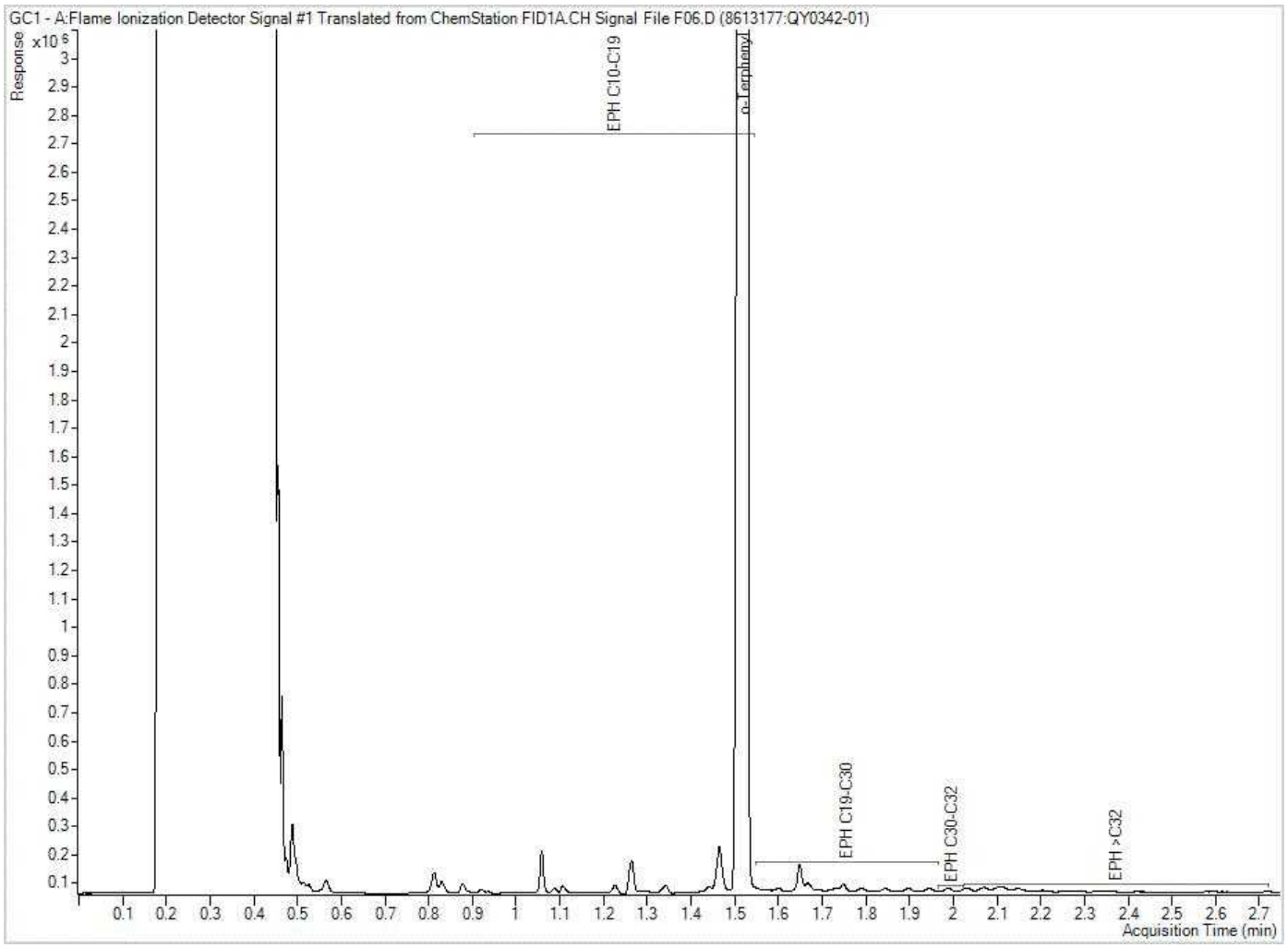


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0342

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050621

EPH in Water when PAH required Chromatogram

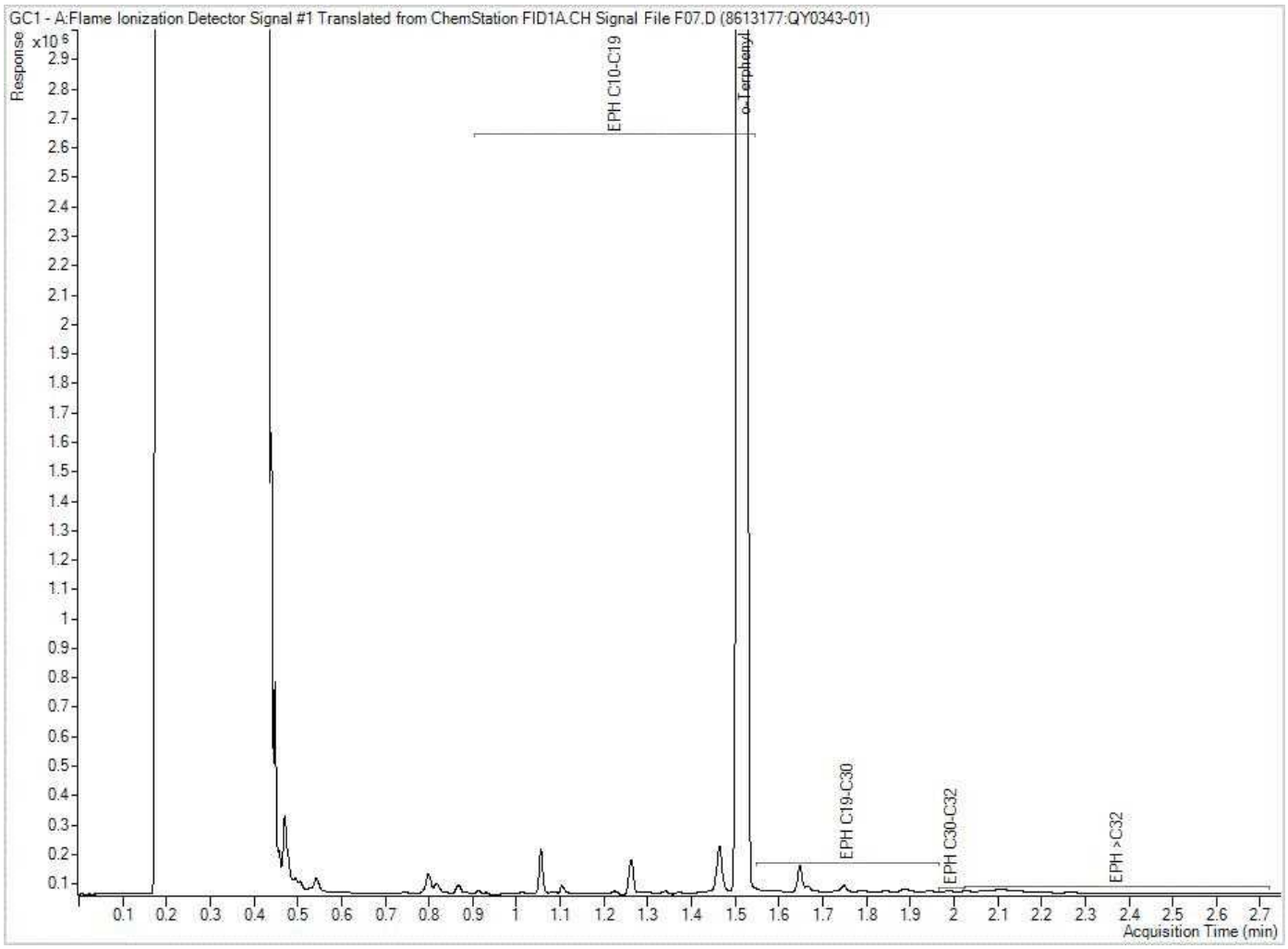


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0343

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050622

EPH in Water when PAH required Chromatogram

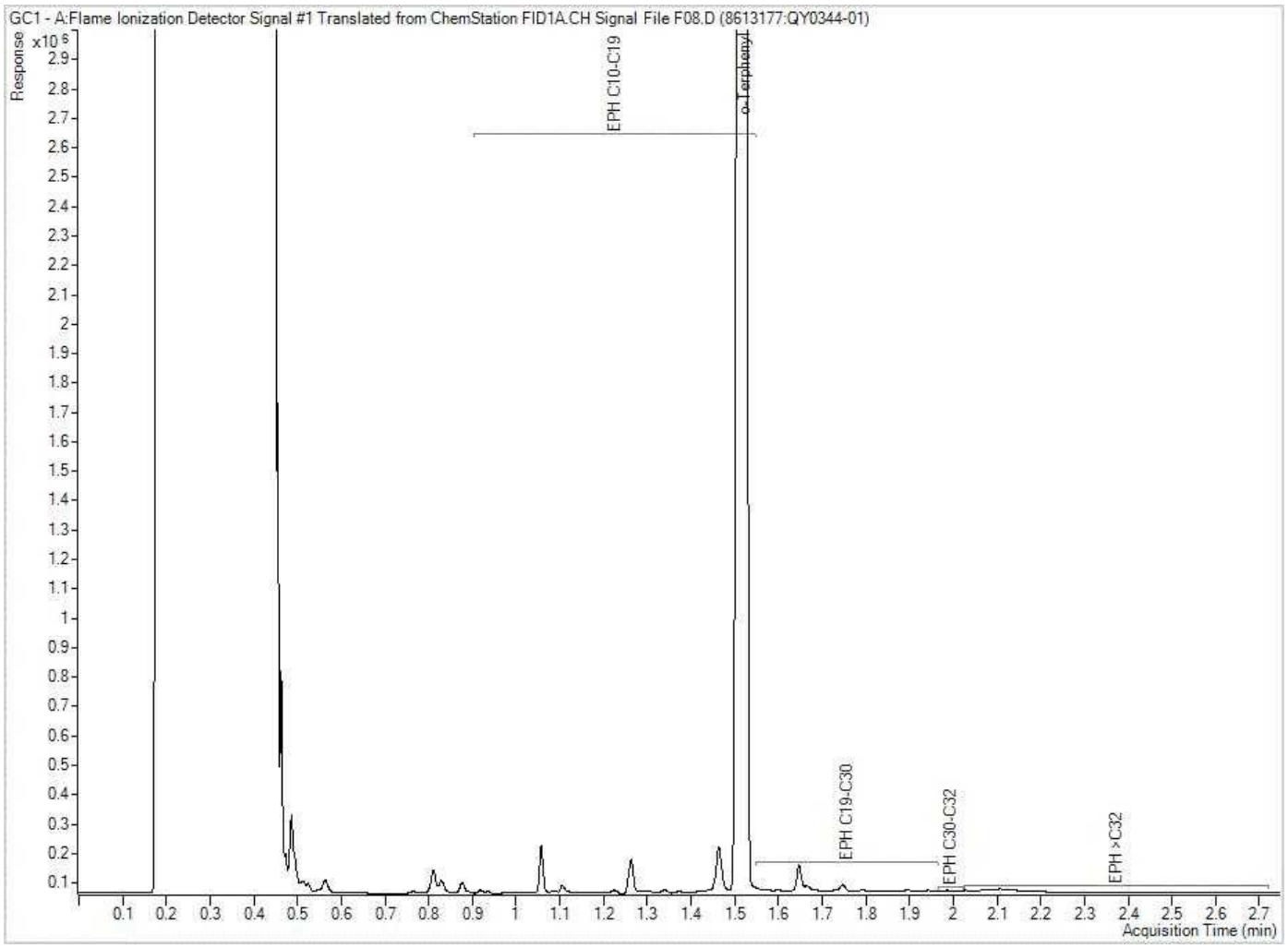


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0344

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050623

EPH in Water when PAH required Chromatogram

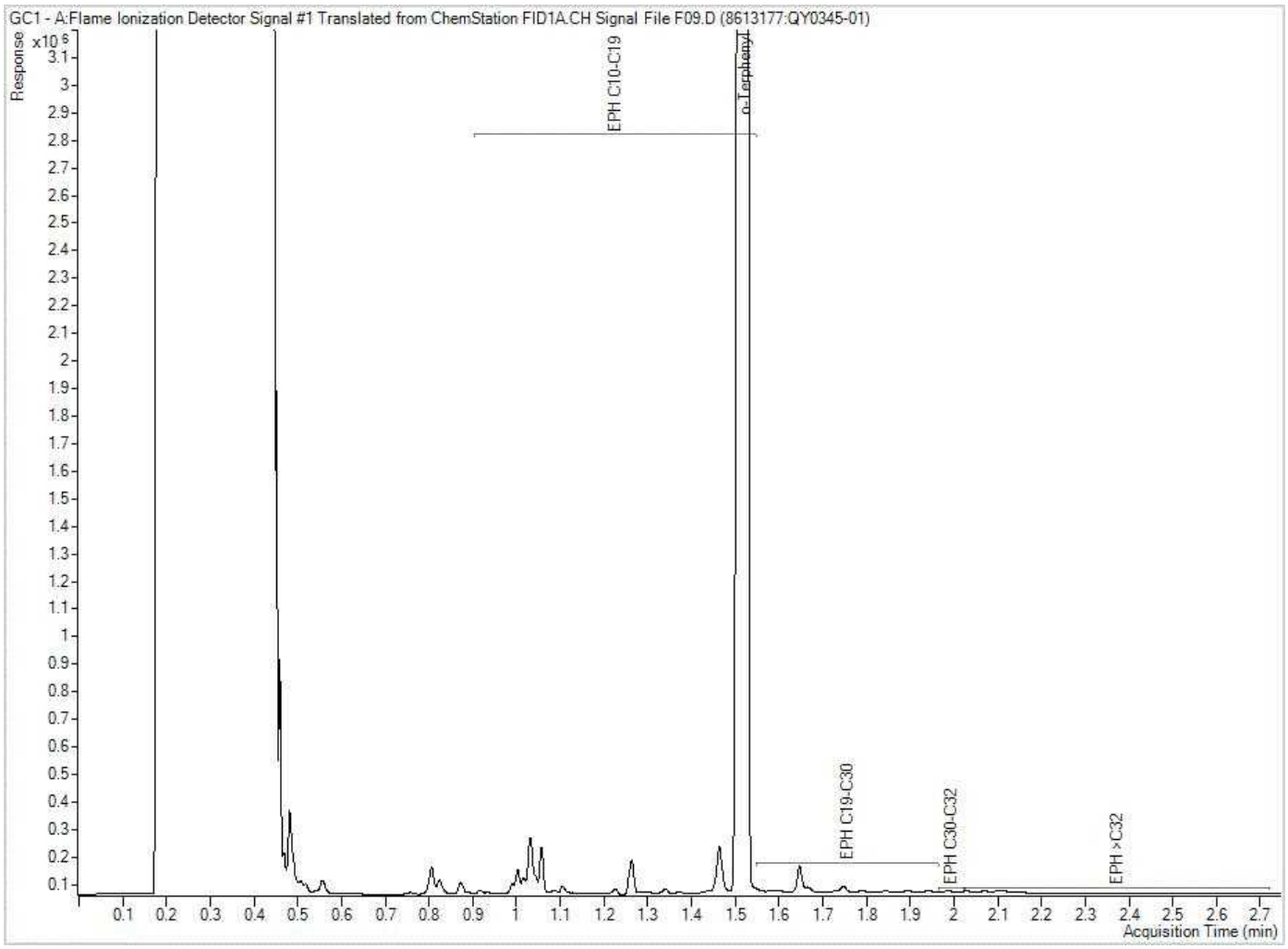


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0345

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050624

EPH in Water when PAH required Chromatogram

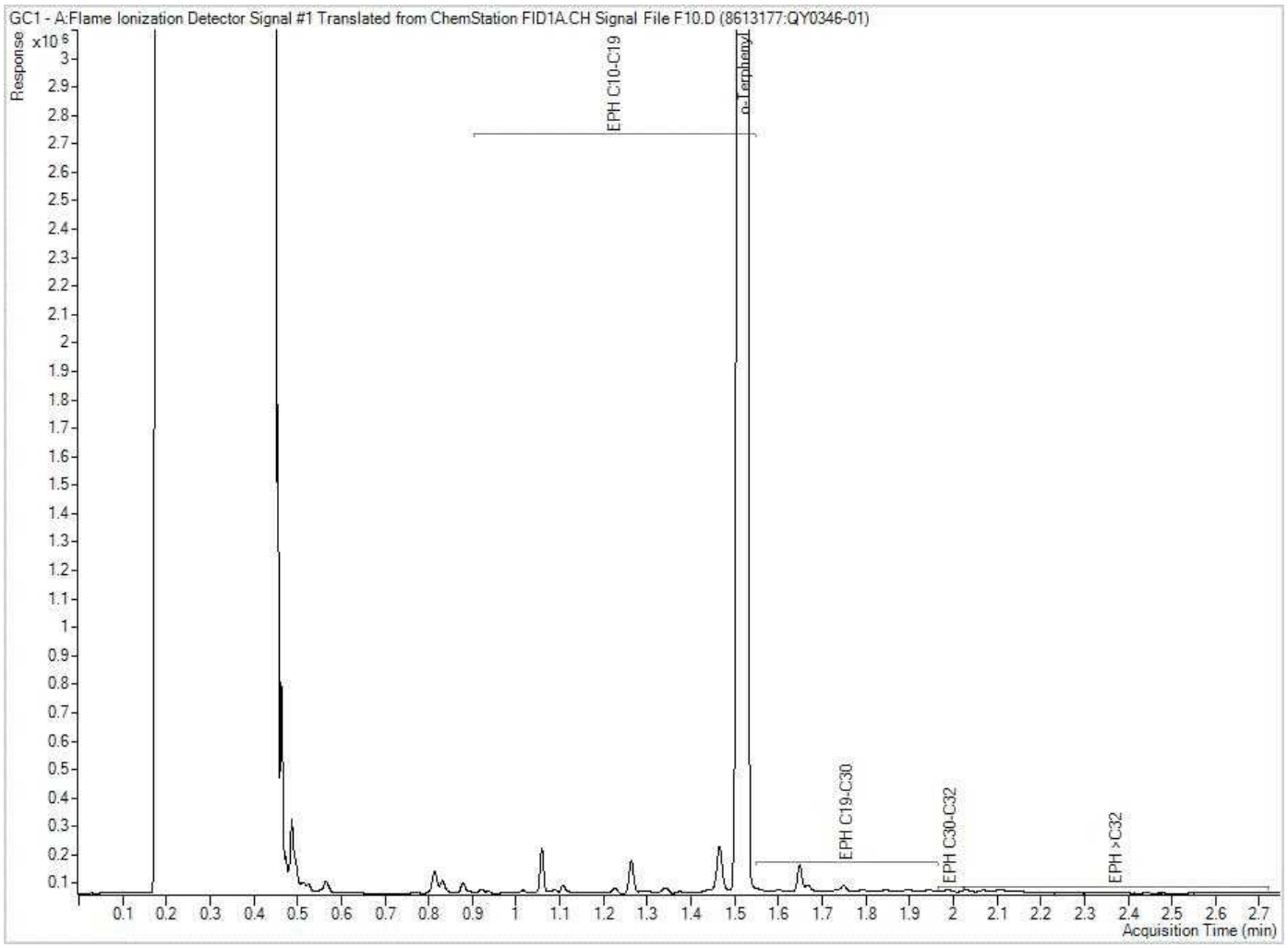


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0346

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050625

EPH in Water when PAH required Chromatogram

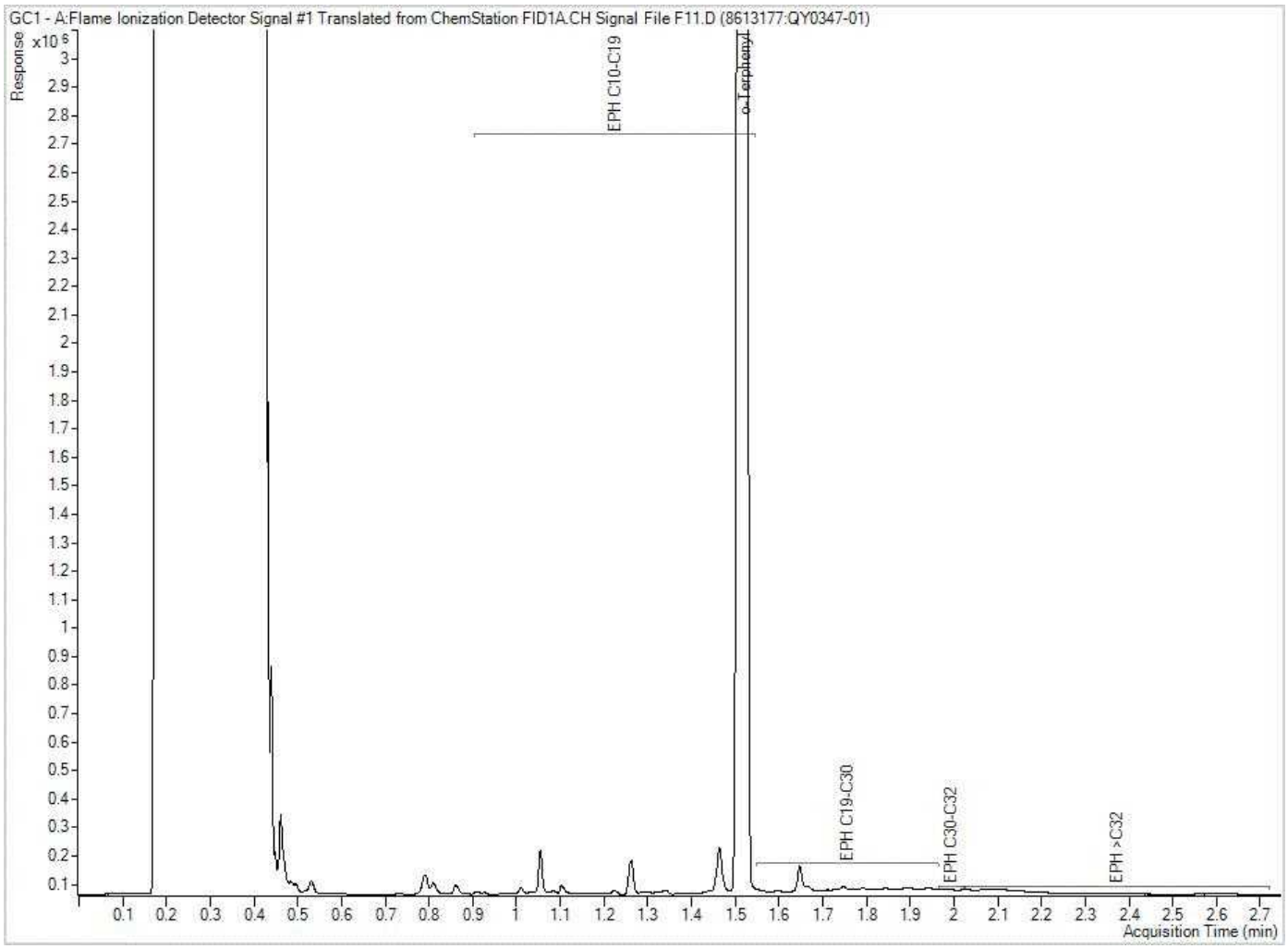


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0347

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050626

EPH in Water when PAH required Chromatogram

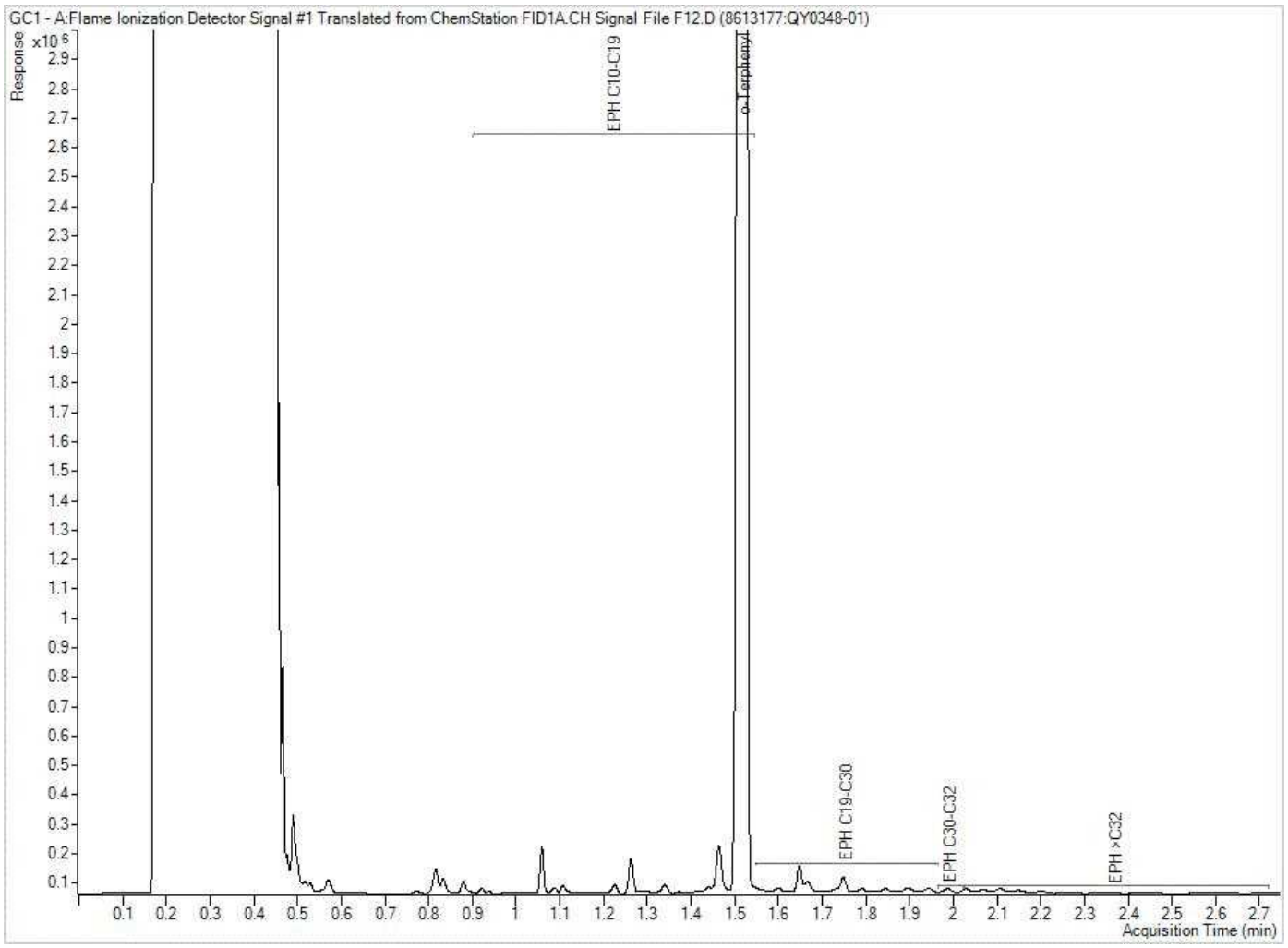


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0348

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050627

EPH in Water when PAH required Chromatogram

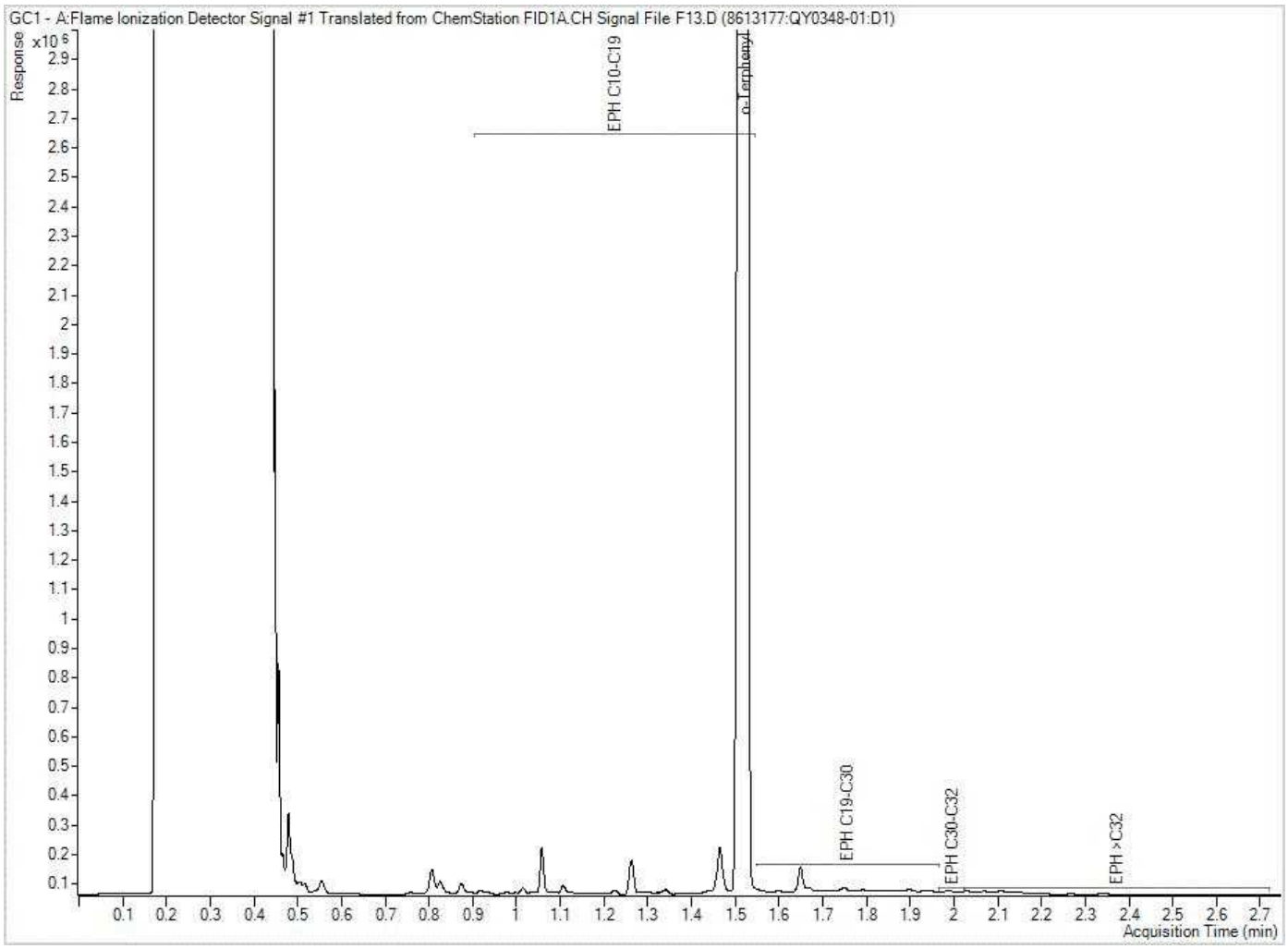


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0348 Lab-Dup

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050627

EPH in Water when PAH required Chromatogram

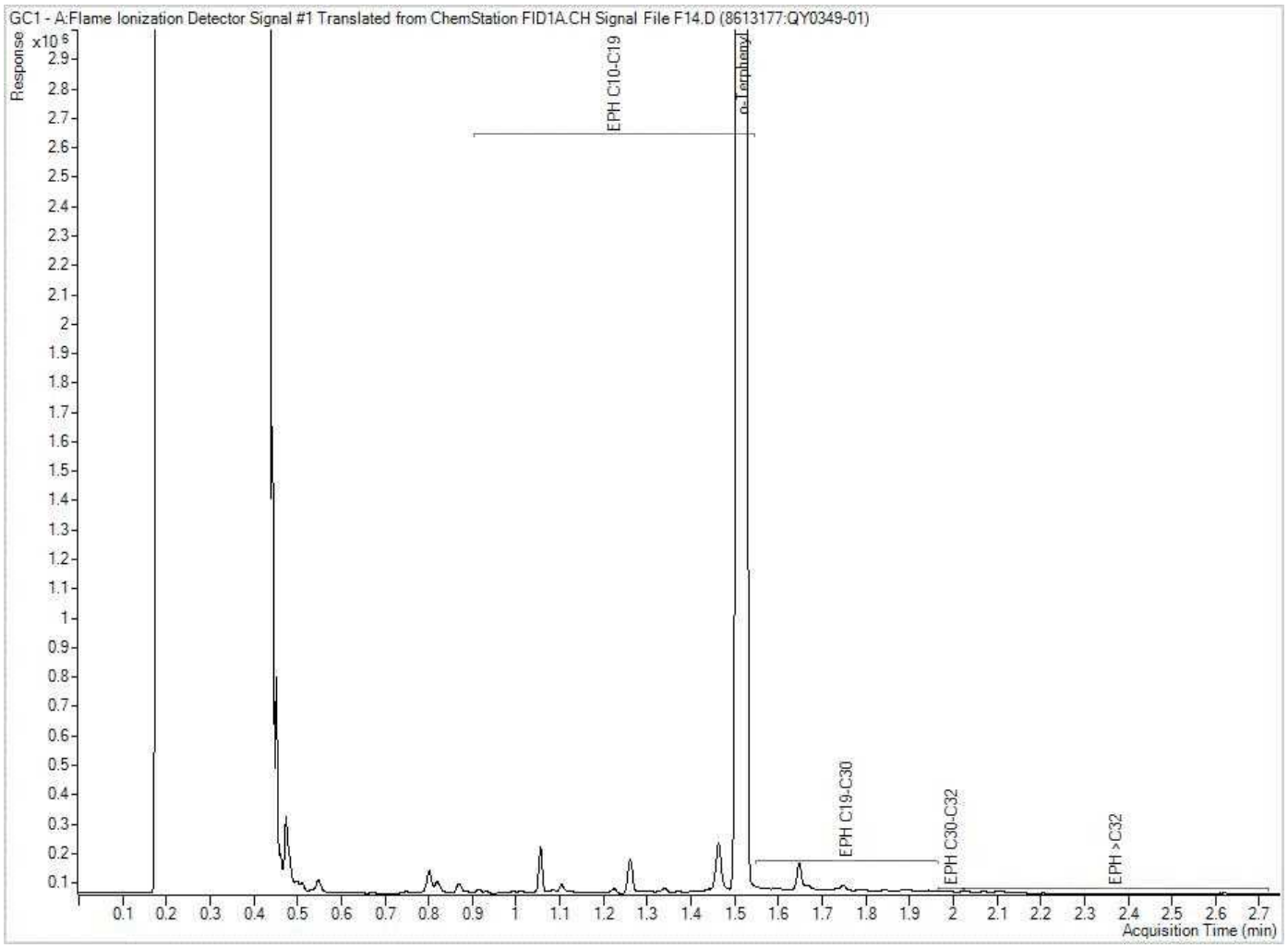


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0349

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050628

EPH in Water when PAH required Chromatogram

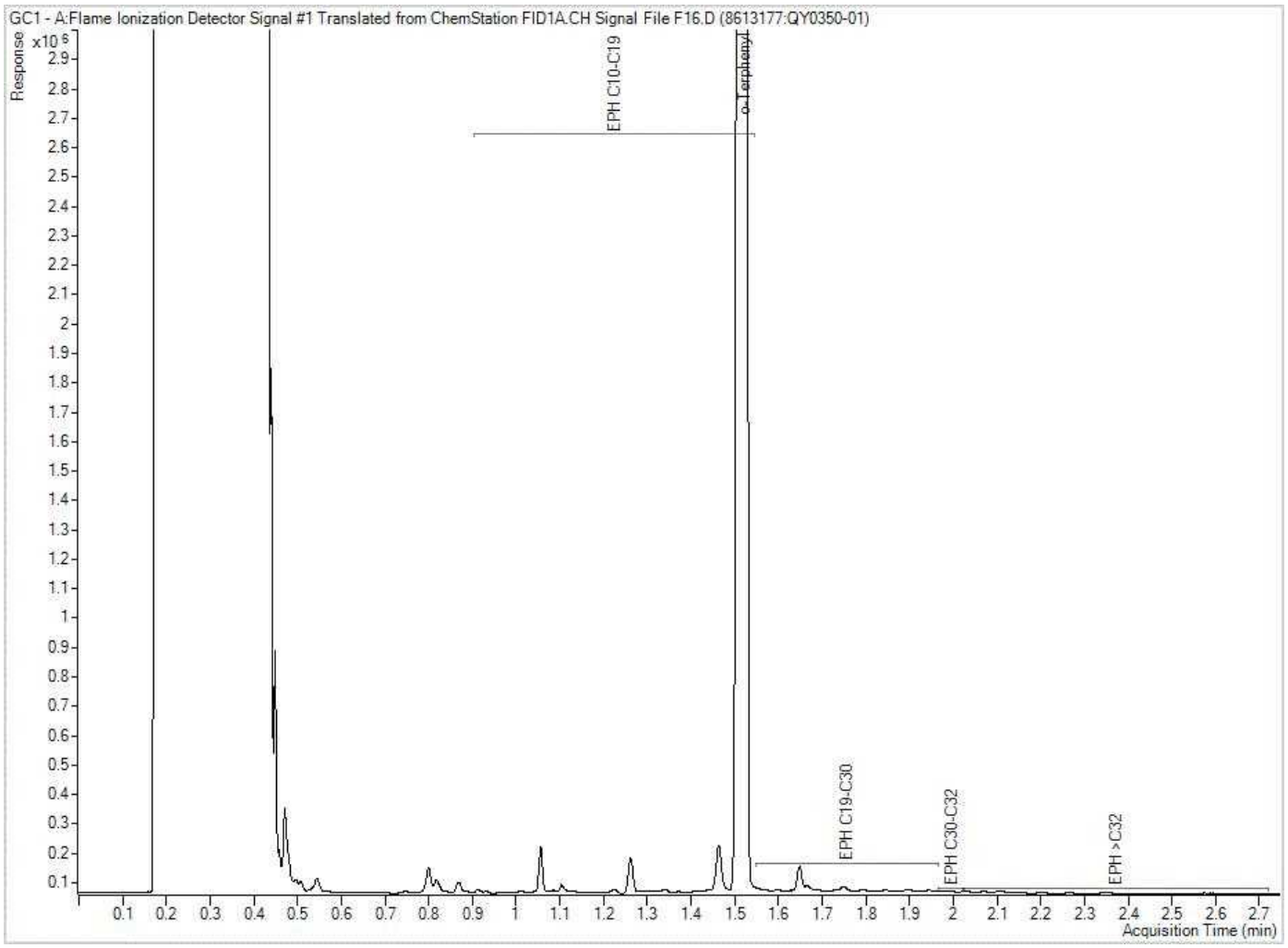


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0350

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050629

EPH in Water when PAH required Chromatogram

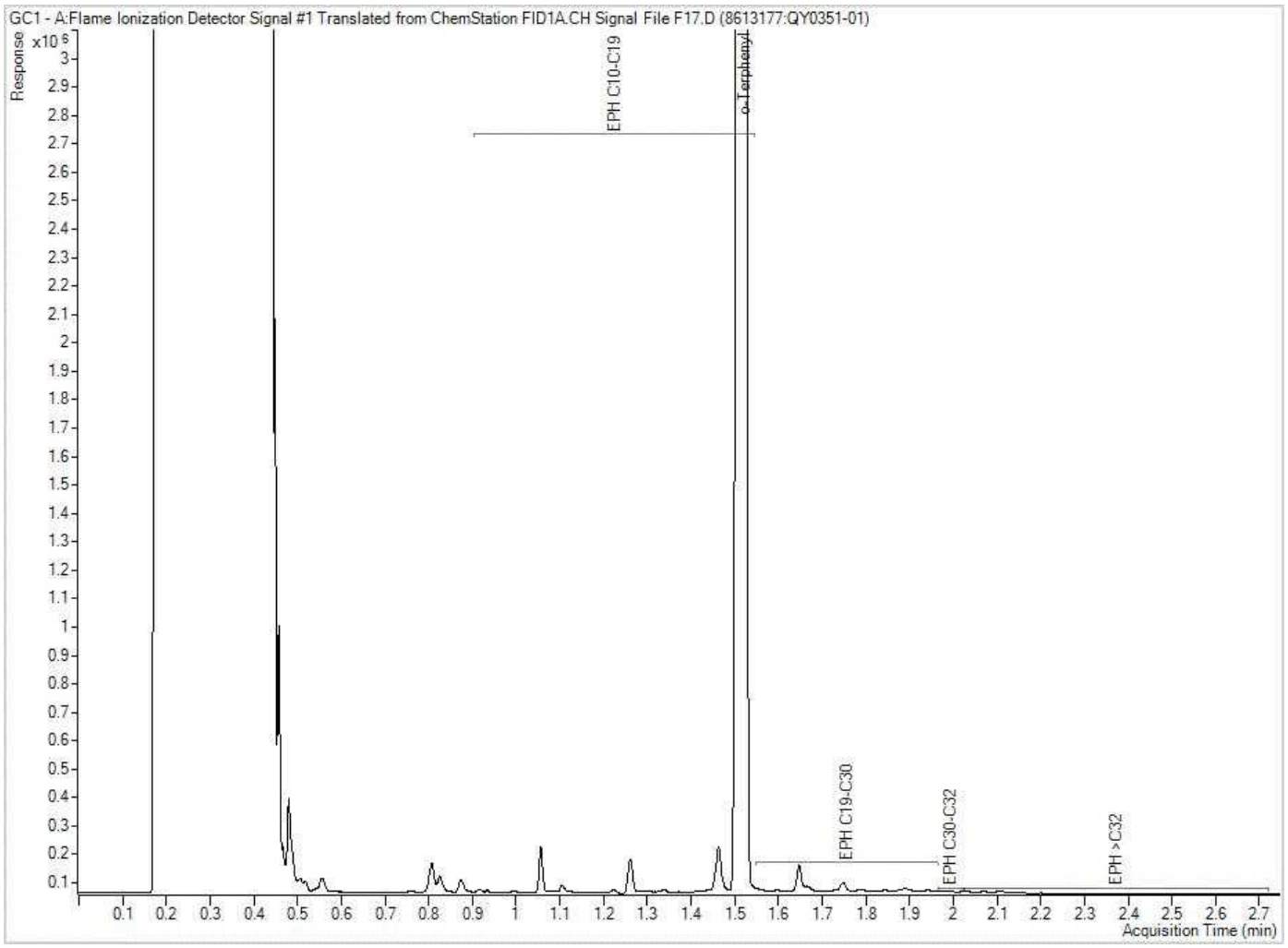


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0351

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050630

EPH in Water when PAH required Chromatogram

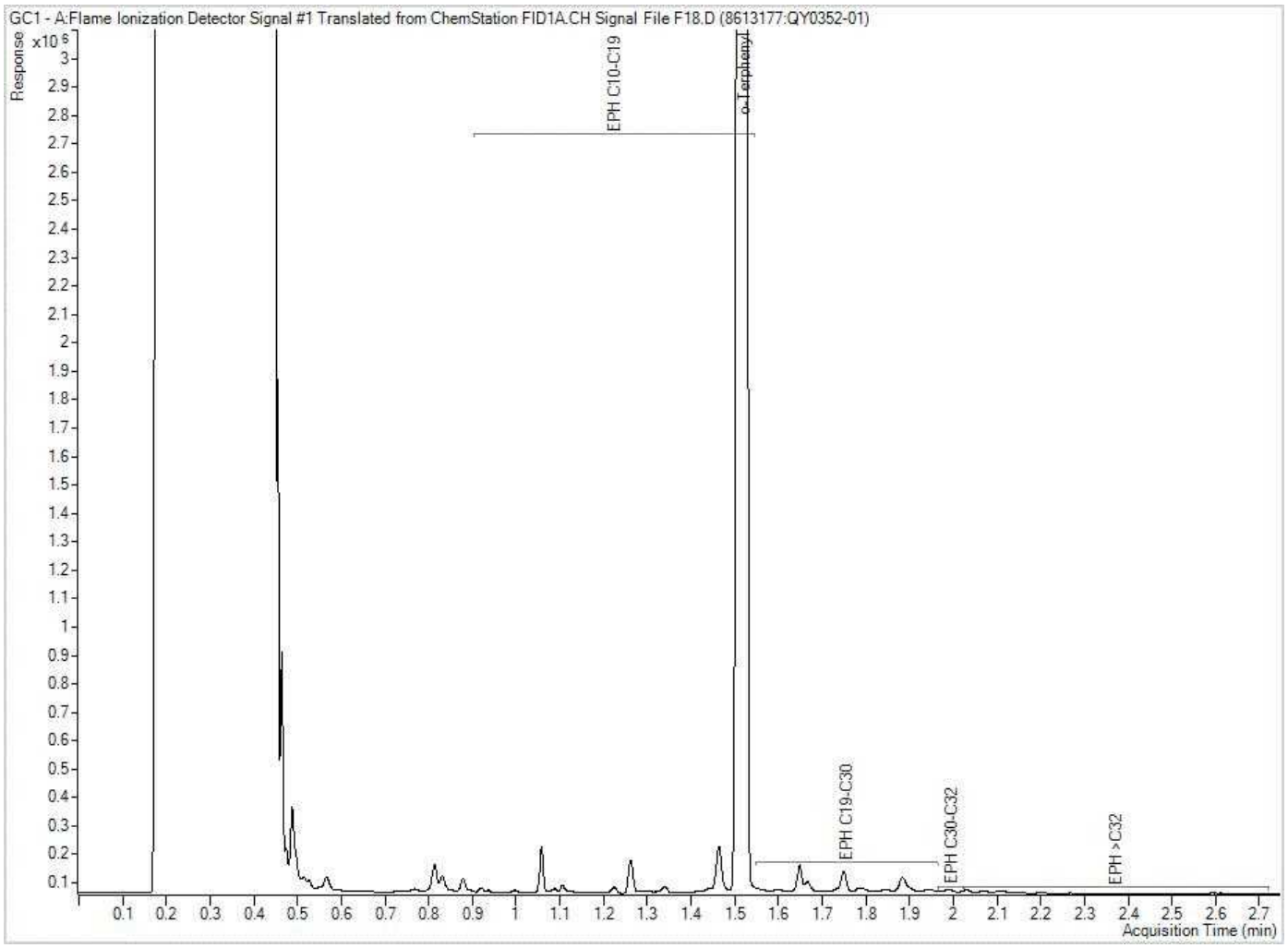


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0352

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050631

EPH in Water when PAH required Chromatogram

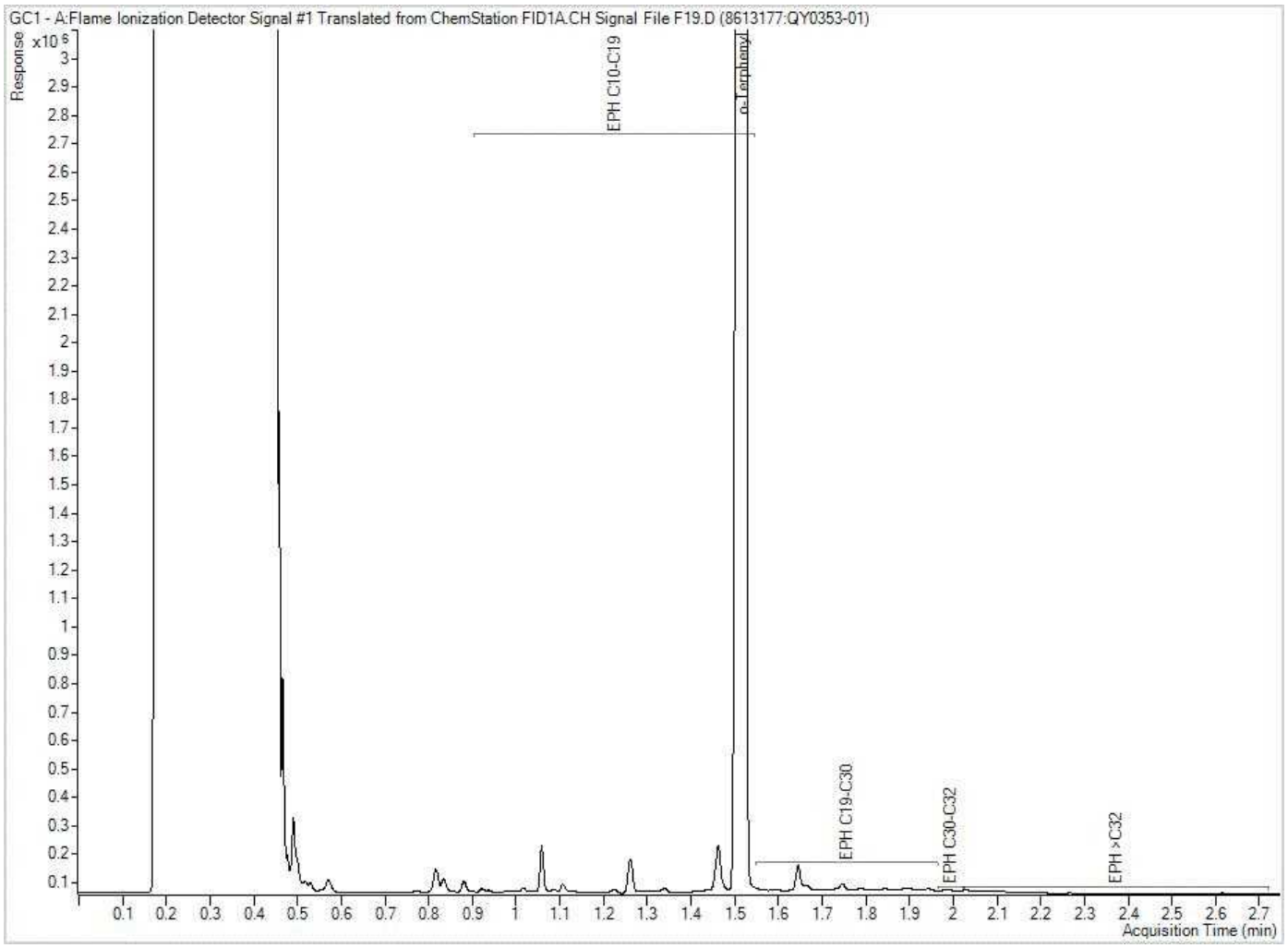


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0353

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050632

EPH in Water when PAH required Chromatogram

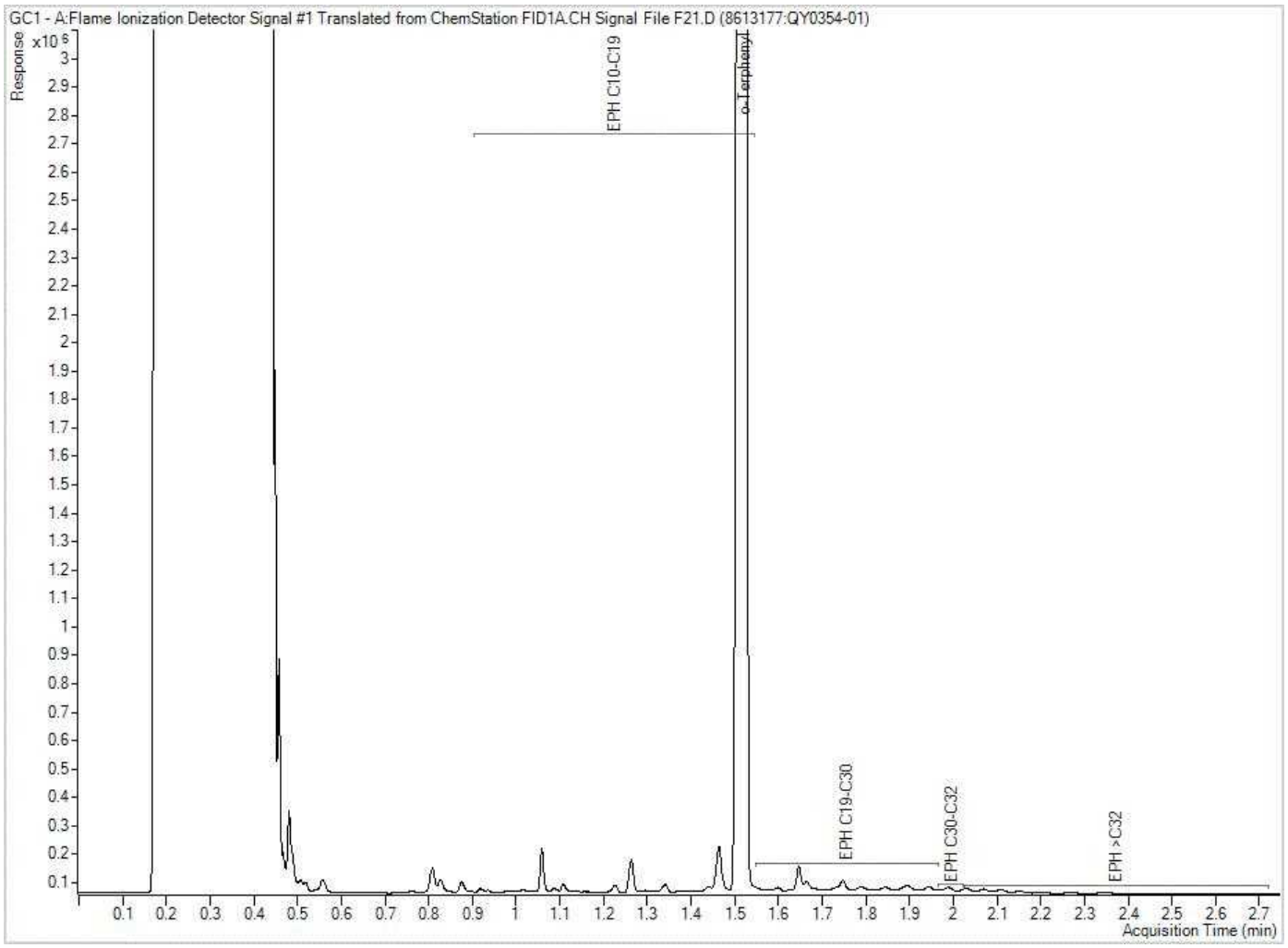


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0354

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050633

EPH in Water when PAH required Chromatogram

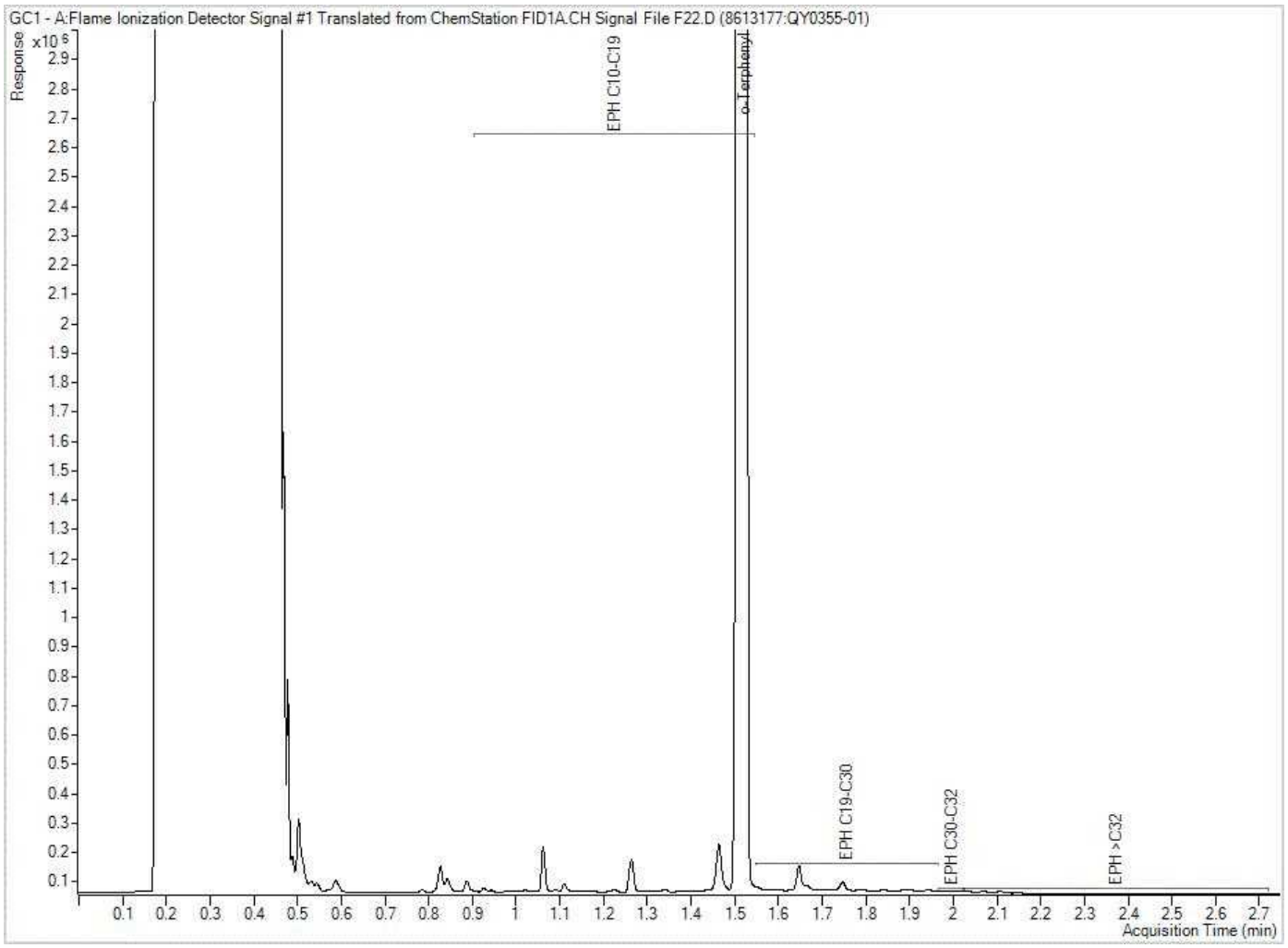


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0355

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050634

EPH in Water when PAH required Chromatogram

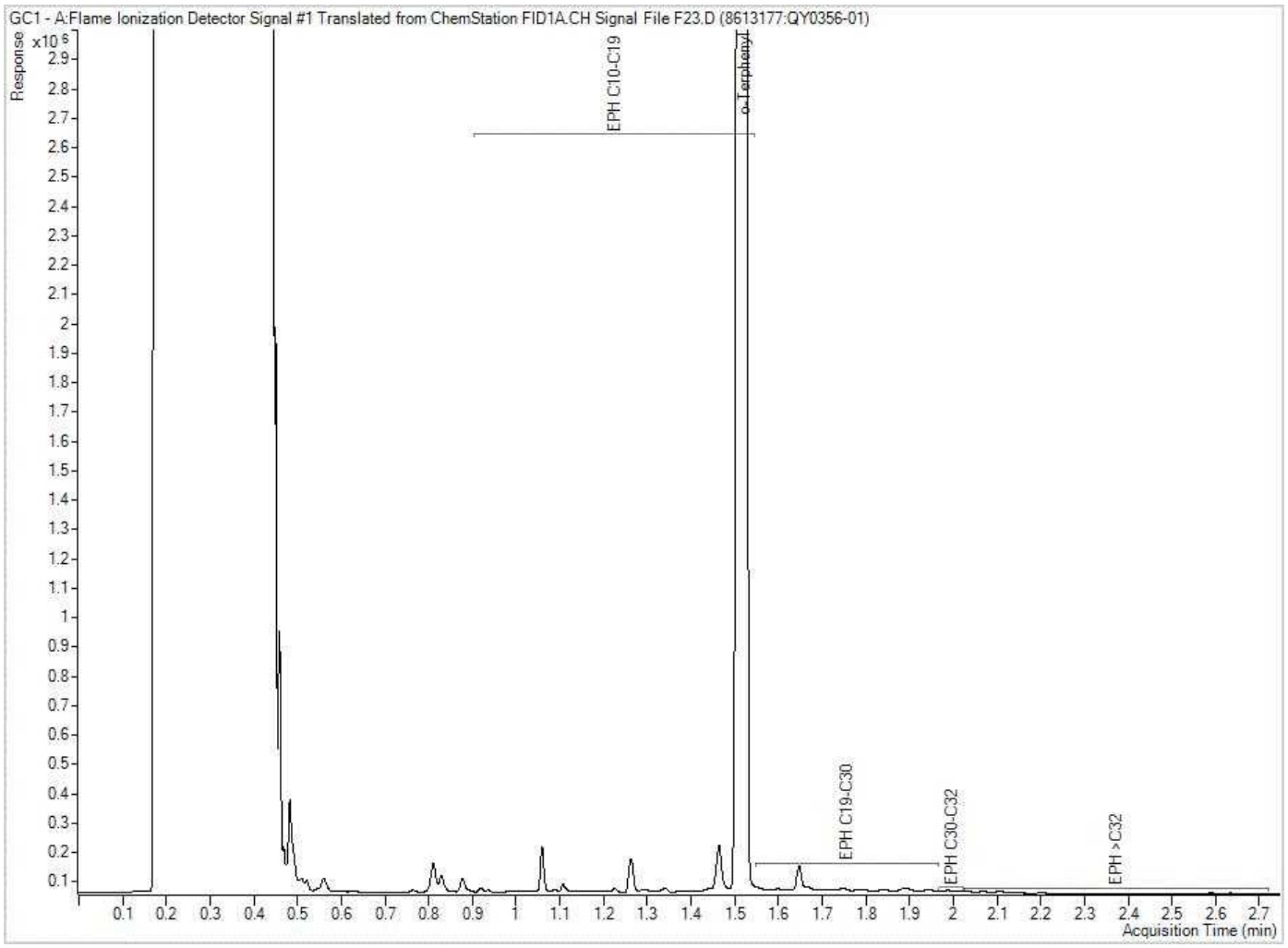


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0356

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050635

EPH in Water when PAH required Chromatogram

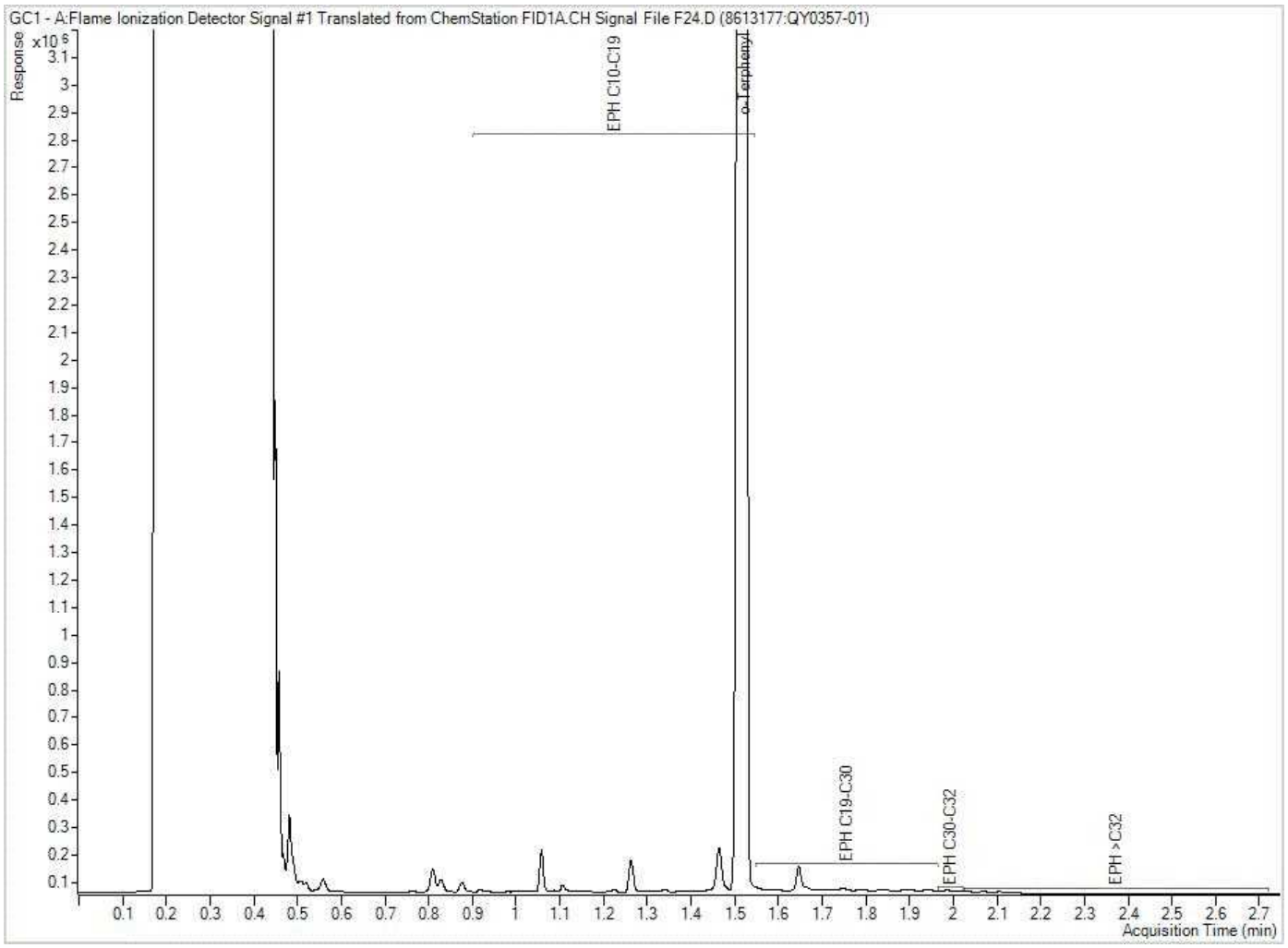


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0357

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050636

EPH in Water when PAH required Chromatogram

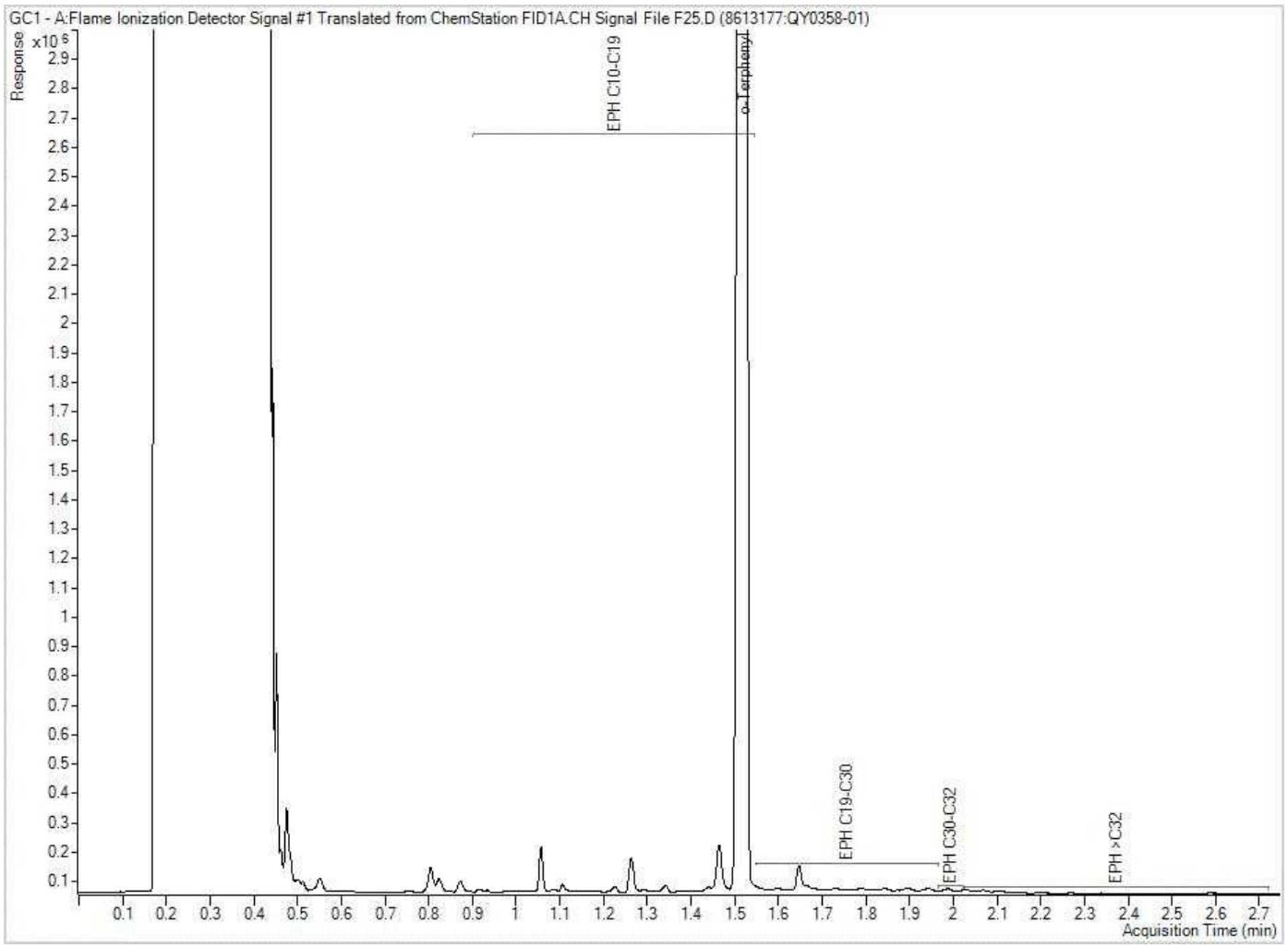


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0358

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050637

EPH in Water when PAH required Chromatogram

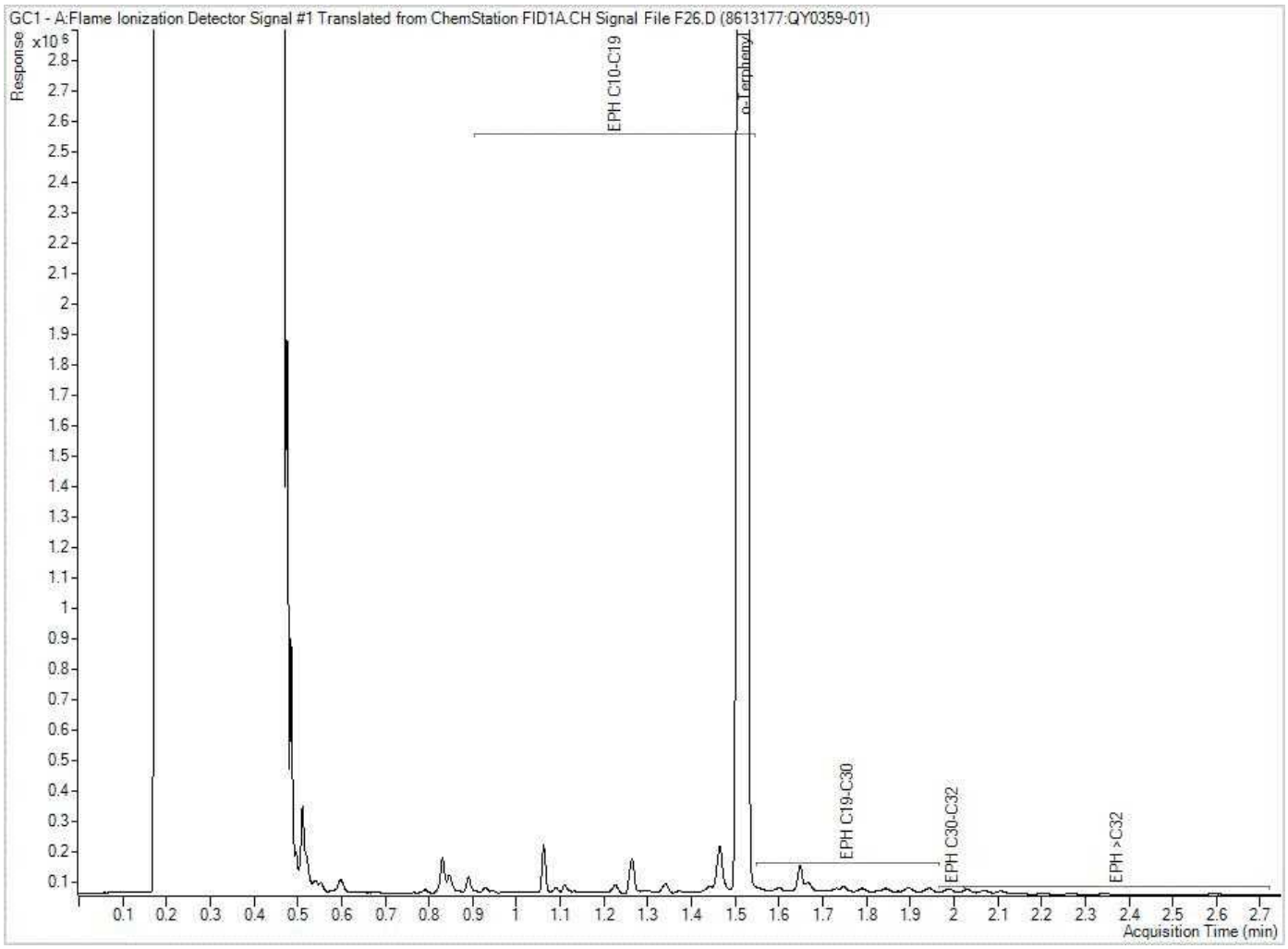


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0359

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050638

EPH in Water when PAH required Chromatogram

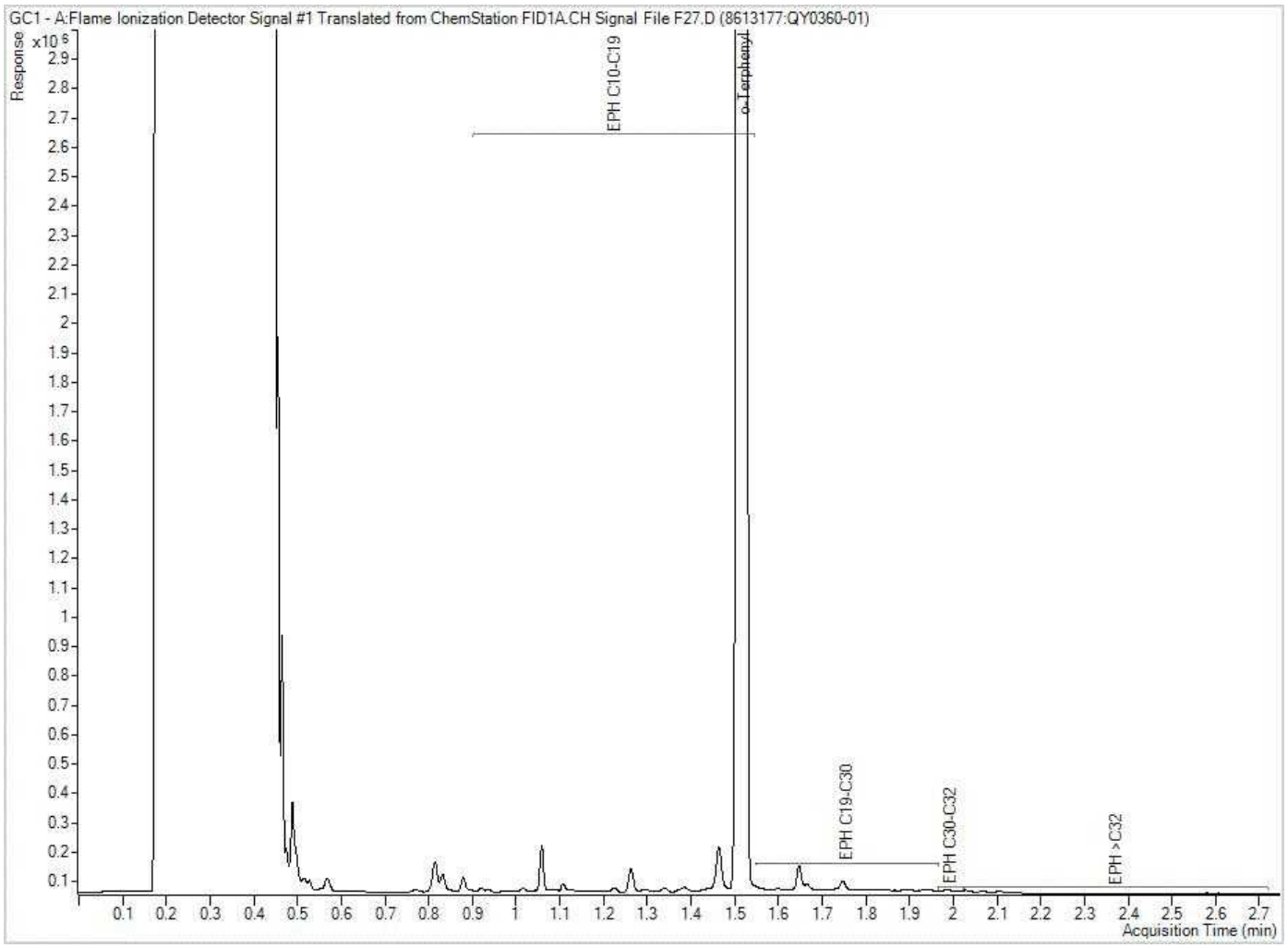


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0360

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050639

EPH in Water when PAH required Chromatogram

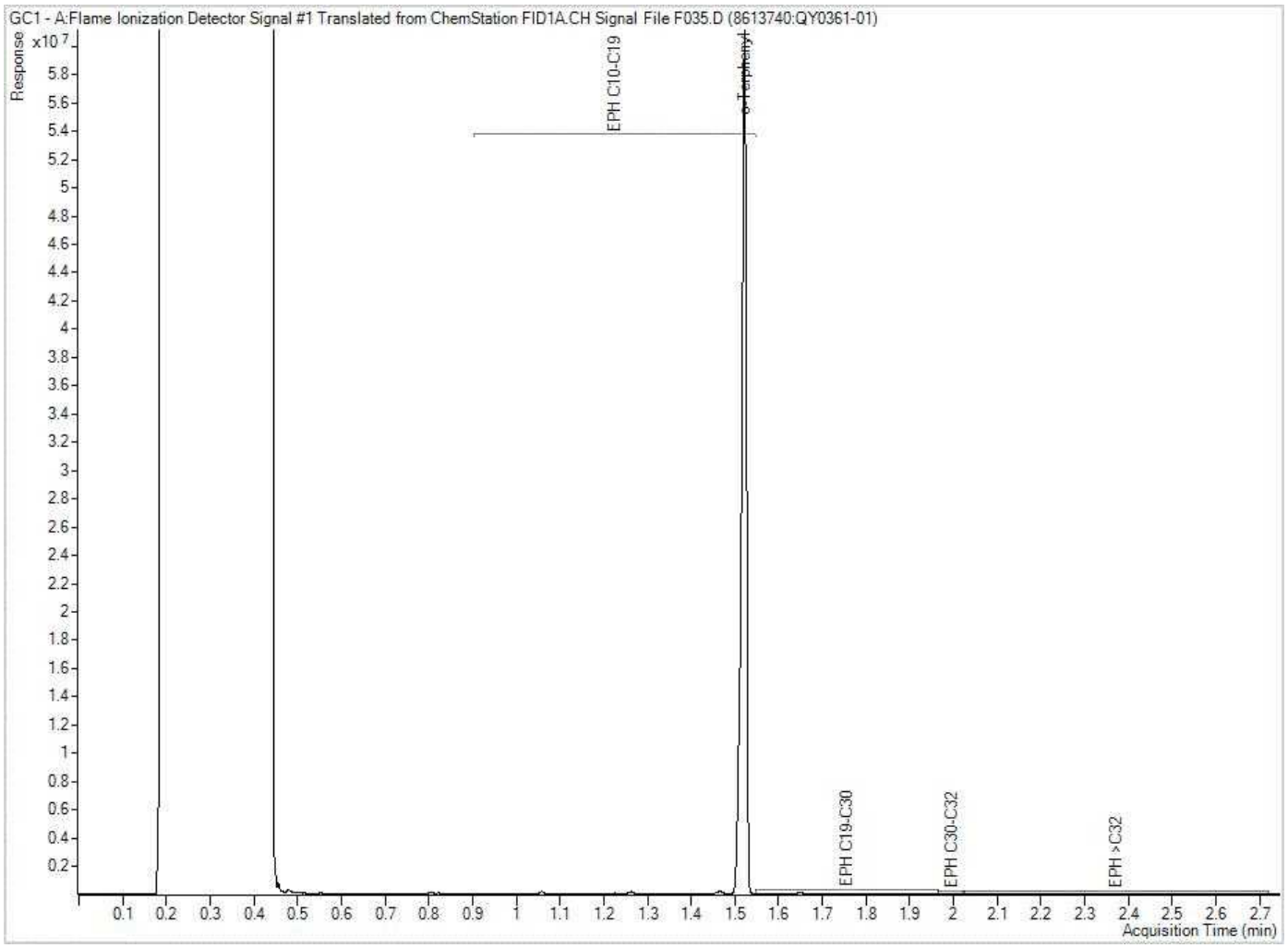


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0361

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050640

EPH in Water when PAH required Chromatogram

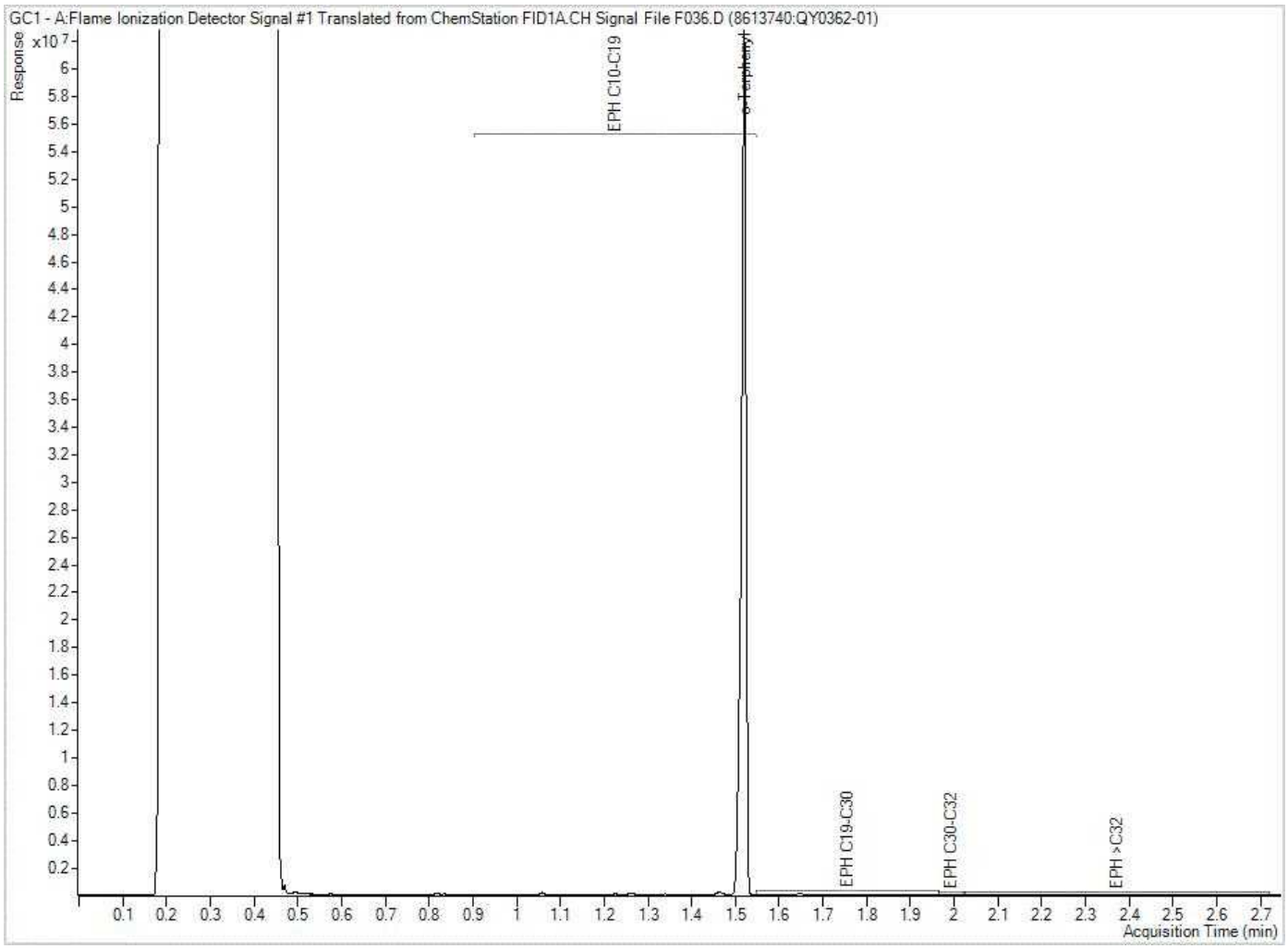


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B730513
Report Date: 2017/05/02
Maxxam Sample: QY0362

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050641

EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Your Project #: MILLSTREAM DOMESTIC WELLS
Your C.O.C. #: 08436553

Attention:SHELLEY ALCOCK

CAPITAL REGIONAL DISTRICT
CRD-VIC 625 FISGARD
PO Box 1000
625 Fisgard Street
VICTORIA, BC
Canada V8W 2S6

Report Date: 2017/05/10
Report #: R2380665
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B733656
Received: 2017/05/04, 13:32

Sample Matrix: DRINKING WATER
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
EPH in Water when PAH required	1	2017/05/08	2017/05/08	BBY8SOP-00029	BCMOE EPH w 12/00 m
PAH in Water by GC/MS (SIM)	1	2017/05/08	2017/05/08	BBY8SOP-00021	EPA 8270d R5 m
Total LMW, HMW, Total PAH Calc	1	N/A	2017/05/10	BBY WI-00033	Auto Calc
EPH less PAH in Water by GC/FID	1	N/A	2017/05/10	BBY WI-00033	Auto Calc
VOCs, VH, F1, LH in Water by HS GC/MS	1	2017/05/08	2017/05/09	BBY8SOP-00009/11/12	BC Lab Manual 2007
Volatile HC-BTEX	1	N/A	2017/05/09	BBY WI-00033	Auto Calc

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

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

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your Project #: MILLSTREAM DOMESTIC WELLS
Your C.O.C. #: 08436553

Attention:SHELLEY ALCOCK

CAPITAL REGIONAL DISTRICT
CRD-VIC 625 FISGARD
PO Box 1000
625 Fisgard Street
VICTORIA, BC
Canada V8W 2S6

Report Date: 2017/05/10
Report #: R2380665
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B733656
Received: 2017/05/04, 13:32

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Debbie Nordbruget, Project Manager
Email: DNordbruget@maxxam.ca
Phone# (250)385-6112

==========

This report has been generated and distributed using a secure automated process.
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B733656
Report Date: 2017/05/10

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QZ5718		
Sampling Date			2017/05/04 10:25		
COC Number			08436553		
	UNITS	MAC	2017050642	RDL	QC Batch
Polycyclic Aromatics					
Low Molecular Weight PAH`s	ug/L	-	<0.10	0.10	8620337
High Molecular Weight PAH`s	ug/L	-	<0.050	0.050	8620337
Total PAH	ug/L	-	<0.10	0.10	8620337
Quinoline	ug/L	-	<0.020	0.020	8623291
Naphthalene	ug/L	-	<0.10	0.10	8623291
2-Methylnaphthalene	ug/L	-	<0.10	0.10	8623291
Acenaphthylene	ug/L	-	<0.050	0.050	8623291
Acenaphthene	ug/L	-	<0.050	0.050	8623291
Fluorene	ug/L	-	<0.050	0.050	8623291
Phenanthrene	ug/L	-	<0.050	0.050	8623291
Anthracene	ug/L	-	<0.010	0.010	8623291
Acridine	ug/L	-	<0.050	0.050	8623291
Fluoranthene	ug/L	-	<0.020	0.020	8623291
Pyrene	ug/L	-	<0.020	0.020	8623291
Benzo(a)anthracene	ug/L	-	<0.010	0.010	8623291
Chrysene	ug/L	-	<0.020	0.020	8623291
Benzo(b&j)fluoranthene	ug/L	-	<0.030	0.030	8623291
Benzo(k)fluoranthene	ug/L	-	<0.050	0.050	8623291
Benzo(a)pyrene	ug/L	0.04	<0.0050	0.0050	8623291
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	0.050	8623291
Dibenz(a,h)anthracene	ug/L	-	<0.0030	0.0030	8623291
Benzo(g,h,i)perylene	ug/L	-	<0.050	0.050	8623291
Calculated Parameters					
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	0.20	8620339
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	0.20	8620339
Ext. Pet. Hydrocarbon					
EPH (C10-C19)	mg/L	-	<0.20	0.20	8623300
EPH (C19-C32)	mg/L	-	<0.20	0.20	8623300
Surrogate Recovery (%)					
O-TERPHENYL (sur.)	%	-	100		8623300
D10-ANTHRACENE (sur.)	%	-	110		8623291
D8-ACENAPHTHYLENE (sur.)	%	-	100		8623291

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B733656
Report Date: 2017/05/10

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			QZ5718		
Sampling Date			2017/05/04 10:25		
COC Number			08436553		
	UNITS	**MAC**	**2017050642**	**RDL**	**QC Batch**
D8-NAPHTHALENE (sur.)	%	-	83		8623291
D9-Acridine (sur.)	%	-	120		8623291
TERPHENYL-D14 (sur.)	%	-	108		8623291

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B733656
Report Date: 2017/05/10

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QZ5718		
Sampling Date				2017/05/04 10:25		
COC Number				08436553		
	UNITS	MAC	AO	2017050642	RDL	QC Batch
Volatiles						
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	300	8620065
Chloromethane	ug/L	-	-	<1.0	1.0	8623537
Vinyl chloride	ug/L	2	-	<0.50	0.50	8623537
Chloroethane	ug/L	-	-	<1.0	1.0	8623537
Trichlorofluoromethane	ug/L	-	-	<4.0	4.0	8623537
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	2.0	8623537
Dichlorodifluoromethane	ug/L	-	-	<2.0	2.0	8623537
1,1-dichloroethene	ug/L	14	-	<0.50	0.50	8623537
Dichloromethane	ug/L	50	-	<2.0	2.0	8623537
trans-1,2-dichloroethene	ug/L	-	-	<1.0	1.0	8623537
1,1-dichloroethane	ug/L	-	-	<0.50	0.50	8623537
cis-1,2-dichloroethene	ug/L	-	-	<1.0	1.0	8623537
Chloroform	ug/L	-	-	<1.0	1.0	8623537
1,1,1-trichloroethane	ug/L	-	-	<0.50	0.50	8623537
1,2-dichloroethane	ug/L	5	-	<0.50	0.50	8623537
Carbon tetrachloride	ug/L	2	-	<0.50	0.50	8623537
Benzene	ug/L	5	-	<0.40	0.40	8623537
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	4.0	8623537
1,2-dichloropropane	ug/L	-	-	<0.50	0.50	8623537
cis-1,3-dichloropropene	ug/L	-	-	<1.0	1.0	8623537
trans-1,3-dichloropropene	ug/L	-	-	<1.0	1.0	8623537
Bromomethane	ug/L	-	-	<1.0	1.0	8623537
1,1,2-trichloroethane	ug/L	-	-	<0.50	0.50	8623537
Trichloroethene	ug/L	5	-	<0.50	0.50	8623537
Chlorodibromomethane	ug/L	-	-	<1.0	1.0	8623537
1,2-dibromoethane	ug/L	-	-	<0.20	0.20	8623537
Tetrachloroethene	ug/L	10	-	<0.50	0.50	8623537
Bromodichloromethane	ug/L	-	-	<1.0	1.0	8623537
Toluene	ug/L	60	24	<0.40	0.40	8623537
Ethylbenzene	ug/L	140	1.6	<0.40	0.40	8623537
m & p-Xylene	ug/L	-	-	<0.40	0.40	8623537
Bromoform	ug/L	-	-	<1.0	1.0	8623537

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B733656
Report Date: 2017/05/10

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				QZ5718		
Sampling Date				2017/05/04 10:25		
COC Number				08436553		
	UNITS	**MAC**	**AO**	**2017050642**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	0.50	8623537
o-Xylene	ug/L	-	-	<0.40	0.40	8623537
Xylenes (Total)	ug/L	90	20	<0.40	0.40	8623537
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	0.50	8623537
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	0.50	8623537
1,2-dichlorobenzene	ug/L	200	3	<0.50	0.50	8623537
1,3-dichlorobenzene	ug/L	-	-	<0.50	0.50	8623537
1,4-dichlorobenzene	ug/L	5	1	<0.50	0.50	8623537
Chlorobenzene	ug/L	80	30	<0.50	0.50	8623537
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	2.0	8623537
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	2.0	8623537
Hexachlorobutadiene	ug/L	-	-	<0.50	0.50	8623537
VH C6-C10	ug/L	-	-	<300	300	8623537
Surrogate Recovery (%)						
1,4-Difluorobenzene (sur.)	%	-	-	104		8623537
4-Bromofluorobenzene (sur.)	%	-	-	95		8623537
D4-1,2-Dichloroethane (sur.)	%	-	-	120		8623537

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

RDL = Reportable Detection Limit

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CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

GENERAL COMMENTS

MAC,AO: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, February 2017.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:
1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.

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Maxxam Job #: B733656
Report Date: 2017/05/10

QUALITY ASSURANCE REPORT

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8623291	D10-ANTHRACENE (sur.)	2017/05/08	118	60 - 130	113	60 - 130	110	%		
8623291	D8-ACENAPHTHYLENE (sur.)	2017/05/08	109	50 - 130	99	50 - 130	97	%		
8623291	D8-NAPHTHALENE (sur.)	2017/05/08	96	50 - 130	85	50 - 130	75	%		
8623291	D9-Acridine (sur.)	2017/05/08	113	50 - 130	105	50 - 130	100	%		
8623291	TERPHENYL-D14 (sur.)	2017/05/08	116	60 - 130	109	60 - 130	108	%		
8623300	O-TERPHENYL (sur.)	2017/05/08	103	60 - 140	100	60 - 140	98	%		
8623537	1,4-Difluorobenzene (sur.)	2017/05/09			104	70 - 130	104	%		
8623537	4-Bromofluorobenzene (sur.)	2017/05/09			106	70 - 130	106	%		
8623537	D4-1,2-Dichloroethane (sur.)	2017/05/09			122	70 - 130	117	%		
8623291	2-Methylnaphthalene	2017/05/08	98	50 - 130	86	50 - 130	<0.10	ug/L	NC	40
8623291	Acenaphthene	2017/05/08	108	50 - 130	95	50 - 130	<0.050	ug/L	NC	40
8623291	Acenaphthylene	2017/05/08	102	50 - 130	89	50 - 130	<0.050	ug/L	NC	40
8623291	Acridine	2017/05/08	122	50 - 130	105	50 - 130	<0.050	ug/L	NC	40
8623291	Anthracene	2017/05/08	122	60 - 130	107	60 - 130	<0.010	ug/L	NC	40
8623291	Benzo(a)anthracene	2017/05/08	106	60 - 130	94	60 - 130	<0.010	ug/L	NC	40
8623291	Benzo(a)pyrene	2017/05/08	97	60 - 130	88	60 - 130	<0.0050	ug/L	NC	40
8623291	Benzo(b&j)fluoranthene	2017/05/08	105	60 - 130	93	60 - 130	<0.030	ug/L	NC	40
8623291	Benzo(g,h,i)perylene	2017/05/08	100	60 - 130	90	60 - 130	<0.050	ug/L	NC	40
8623291	Benzo(k)fluoranthene	2017/05/08	110	60 - 130	95	60 - 130	<0.050	ug/L	NC	40
8623291	Chrysene	2017/05/08	109	60 - 130	96	60 - 130	<0.020	ug/L	NC	40
8623291	Dibenz(a,h)anthracene	2017/05/08	101	60 - 130	89	60 - 130	<0.0030	ug/L	NC	40
8623291	Fluoranthene	2017/05/08	94	60 - 130	104	60 - 130	<0.020	ug/L	NC	40
8623291	Fluorene	2017/05/08	100	50 - 130	89	50 - 130	<0.050	ug/L	NC	40
8623291	Indeno(1,2,3-cd)pyrene	2017/05/08	104	60 - 130	91	60 - 130	<0.050	ug/L	NC	40
8623291	Naphthalene	2017/05/08	95	50 - 130	83	50 - 130	<0.10	ug/L	NC	40
8623291	Phenanthrene	2017/05/08	100	60 - 130	92	60 - 130	<0.050	ug/L	NC	40
8623291	Pyrene	2017/05/08	94	60 - 130	105	60 - 130	<0.020	ug/L	0.50	40
8623291	Quinoline	2017/05/08	112	50 - 130	109	50 - 130	<0.020	ug/L	NC	40
8623300	EPH (C10-C19)	2017/05/08	99	60 - 140	102	70 - 130	<0.20	mg/L	NC	30
8623300	EPH (C19-C32)	2017/05/08	93	60 - 140	91	70 - 130	<0.20	mg/L	NC	30
8623537	1,1,1,2-tetrachloroethane	2017/05/09			81	70 - 130	<0.50	ug/L		

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Maxxam Job #: B733656
Report Date: 2017/05/10

QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8623537	1,1,1-trichloroethane	2017/05/09			113	70 - 130	<0.50	ug/L	NC	30
8623537	1,1,2,2-tetrachloroethane	2017/05/09			94	70 - 130	<0.50	ug/L		
8623537	1,1,2Trichloro-1,2,2Trifluoroethane	2017/05/09					<2.0	ug/L		
8623537	1,1,2-trichloroethane	2017/05/09			110	70 - 130	<0.50	ug/L	NC	30
8623537	1,1-dichloroethane	2017/05/09			109	70 - 130	<0.50	ug/L	NC	30
8623537	1,1-dichloroethene	2017/05/09			115	70 - 130	<0.50	ug/L	NC	30
8623537	1,2,3-trichlorobenzene	2017/05/09			116	70 - 130	<2.0	ug/L		
8623537	1,2,4-trichlorobenzene	2017/05/09			123	70 - 130	<2.0	ug/L		
8623537	1,2-dibromoethane	2017/05/09			86	70 - 130	<0.20	ug/L	NC	30
8623537	1,2-dichlorobenzene	2017/05/09			121	70 - 130	<0.50	ug/L		
8623537	1,2-dichloroethane	2017/05/09			101	70 - 130	<0.50	ug/L	NC	30
8623537	1,2-dichloropropane	2017/05/09			112	70 - 130	<0.50	ug/L		
8623537	1,3-dichlorobenzene	2017/05/09			117	70 - 130	<0.50	ug/L		
8623537	1,4-dichlorobenzene	2017/05/09			115	70 - 130	<0.50	ug/L		
8623537	Benzene	2017/05/09			112	70 - 130	<0.40	ug/L		
8623537	Bromodichloromethane	2017/05/09			109	70 - 130	<1.0	ug/L		
8623537	Bromoform	2017/05/09			78	70 - 130	<1.0	ug/L		
8623537	Bromomethane	2017/05/09			112	60 - 140	<1.0	ug/L		
8623537	Carbon tetrachloride	2017/05/09			103	70 - 130	<0.50	ug/L		
8623537	Chlorobenzene	2017/05/09			81	70 - 130	<0.50	ug/L		
8623537	Chlorodibromomethane	2017/05/09			87	70 - 130	<1.0	ug/L		
8623537	Chloroethane	2017/05/09			129	60 - 140	<1.0	ug/L		
8623537	Chloroform	2017/05/09			106	70 - 130	<1.0	ug/L		
8623537	Chloromethane	2017/05/09			93	60 - 140	<1.0	ug/L		
8623537	cis-1,2-dichloroethene	2017/05/09			112	70 - 130	<1.0	ug/L	NC	30
8623537	cis-1,3-dichloropropene	2017/05/09			101	70 - 130	<1.0	ug/L		
8623537	Dichlorodifluoromethane	2017/05/09			81	60 - 140	<2.0	ug/L		
8623537	Dichloromethane	2017/05/09			115	70 - 130	<2.0	ug/L		
8623537	Ethylbenzene	2017/05/09			77	70 - 130	<0.40	ug/L		
8623537	Hexachlorobutadiene	2017/05/09			107	70 - 130	<0.50	ug/L		
8623537	m & p-Xylene	2017/05/09			74	70 - 130	<0.40	ug/L		

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Maxxam Job #: B733656
Report Date: 2017/05/10

QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8623537	Methyl-tert-butylether (MTBE)	2017/05/09			109	70 - 130	<4.0	ug/L		
8623537	o-Xylene	2017/05/09			84	70 - 130	<0.40	ug/L		
8623537	Styrene	2017/05/09			72	70 - 130	<0.50	ug/L		
8623537	Tetrachloroethene	2017/05/09			110	70 - 130	<0.50	ug/L	NC	30
8623537	Toluene	2017/05/09			106	70 - 130	<0.40	ug/L		
8623537	trans-1,2-dichloroethene	2017/05/09			108	70 - 130	<1.0	ug/L	NC	30
8623537	trans-1,3-dichloropropene	2017/05/09			86	70 - 130	<1.0	ug/L		
8623537	Trichloroethene	2017/05/09			109	70 - 130	<0.50	ug/L	NC	30
8623537	Trichlorofluoromethane	2017/05/09			120	60 - 140	<4.0	ug/L		
8623537	VH C6-C10	2017/05/09			104	70 - 130	<300	ug/L		
8623537	Vinyl chloride	2017/05/09			100	60 - 140	<0.50	ug/L		
8623537	Xylenes (Total)	2017/05/09					<0.40	ug/L		

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

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Maxxam Job #: B733656
Report Date: 2017/05/10

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Sampler Initials: SA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Maxxam

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5 Ph: (604) 734-7276 Fax: (604) 731-2386, Toll Free: (800) 665-8566
Project Name: Millstream Meadows Domestic Wells
Contract #: EPRO2016-085

B733656

CHAIN OF CUSTODY FORM

08436553

PAGE 1 OF 1

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
	2017-050-642	2017-05-04	10:25	water	X	X	X	Drinking Water

TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY:	DATE:	2017-05-04	RECEIVED BY:	DATE:	
		Shelley Alcock	TIME:	~~10:05~~	Shipper-Agent	TIME:	
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE:	13:32	RECEIVED BY:	DATE:	2017/05/04
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX		TIME:			TIME:	13:32

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

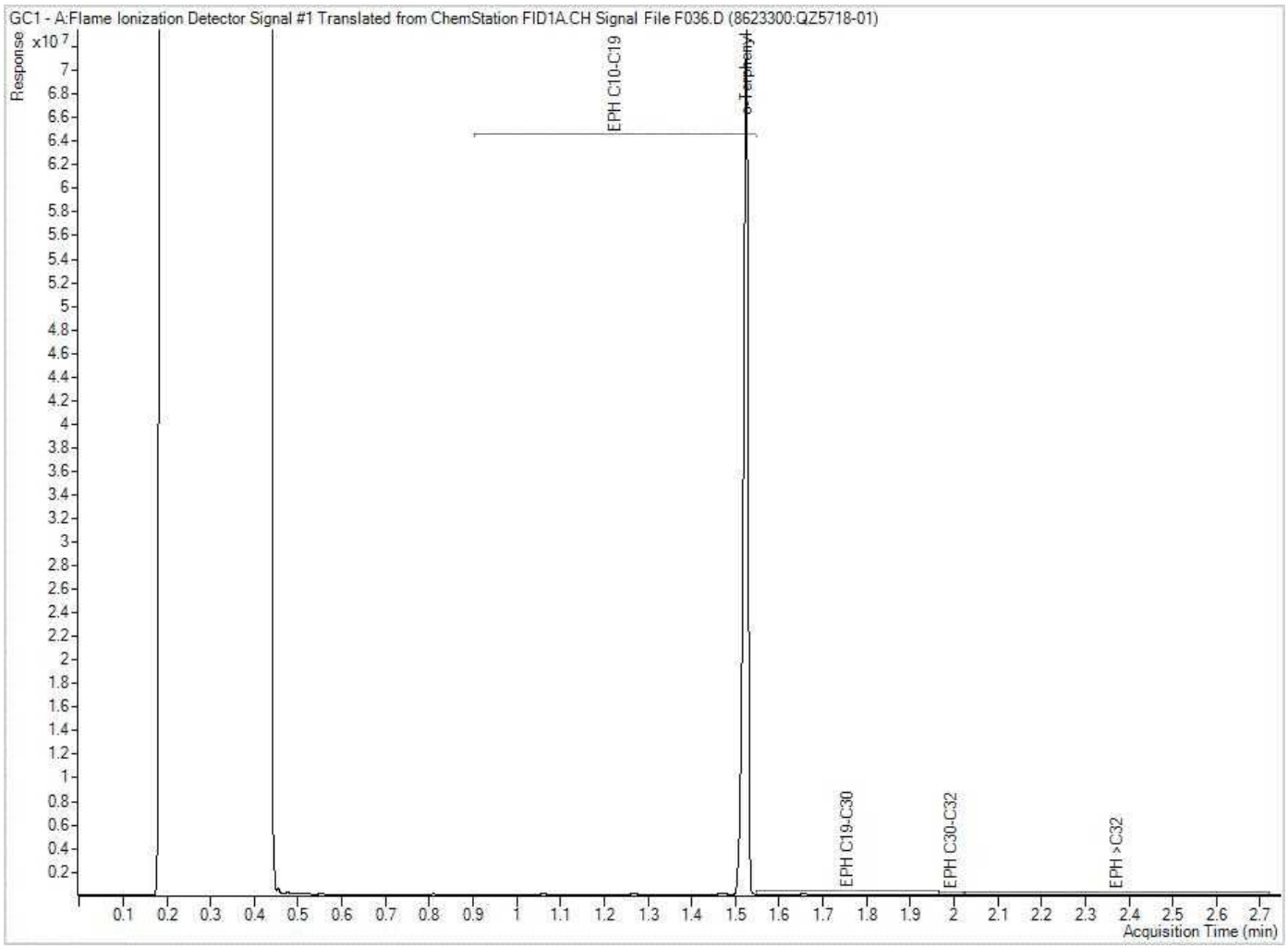
Cooler Seal Intact? ___Yes ___No ✓N/A	Sample Temperature: 8.3,7 °C Frozen? ___Yes ___No	Cooling Method? ✓Icepacks ___Ice ___None

G:/QUALITY/00_DOCUMENTS/10_AUTHORIZED/FORMS/ALSEVC_CHNCSTDY_ECOPY_R03.XLS

Maxxam Job #: B733656
Report Date: 2017/05/10
Maxxam Sample: QZ5718

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM DOMESTIC WELLS
Client ID: 2017050642

EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Your Project #: MILLSTREAM MEADOWS DOMESTIC WE
Your C.O.C. #: 08437117

Attention:SHELLEY ALCOCK

CAPITAL REGIONAL DISTRICT
CRD-VIC 625 FISGARD
PO Box 1000
625 Fisgard Street
VICTORIA, BC
Canada V8W 2S6

Report Date: 2017/08/01
Report #: R2422033
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B761682
Received: 2017/07/25, 15:20

Sample Matrix: DRINKING WATER
Samples Received: 23

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
EPH in Water when PAH required	6	2017/07/29	2017/07/30	BBY8SOP-00029	BCMOE EPH w 12/00 m
EPH in Water when PAH required	3	2017/07/31	2017/07/31	BBY8SOP-00029	BCMOE EPH w 12/00 m
EPH in Water when PAH required	14	2017/07/31	2017/08/01	BBY8SOP-00029	BCMOE EPH w 12/00 m
PAH in Water by GC/MS (SIM)	6	2017/07/29	2017/07/30	BBY8SOP-00021	EPA 8270d R5 m
PAH in Water by GC/MS (SIM)	5	2017/07/31	2017/07/31	BBY8SOP-00021	EPA 8270d R5 m
PAH in Water by GC/MS (SIM)	12	2017/07/31	2017/08/01	BBY8SOP-00021	EPA 8270d R5 m
Total LMW, HMW, Total PAH Calc	1	N/A	2017/07/31	BBY WI-00033	Auto Calc
Total LMW, HMW, Total PAH Calc	22	N/A	2017/08/01	BBY WI-00033	Auto Calc
EPH less PAH in Water by GC/FID	1	N/A	2017/07/31	BBY WI-00033	Auto Calc
EPH less PAH in Water by GC/FID	22	N/A	2017/08/01	BBY WI-00033	Auto Calc
VOCs, VH, F1, LH in Water by HS GC/MS	7	2017/07/27	2017/07/28	BBY8SOP-00009/11/12	BC Lab Manual 2007
VOCs, VH, F1, LH in Water by HS GC/MS	15	2017/07/28	2017/07/29	BBY8SOP-00009/11/12	BC Lab Manual 2007
VOCs, VH, F1, LH in Water by HS GC/MS	1	2017/07/28	2017/07/30	BBY8SOP-00009/11/12	BC Lab Manual 2007
Volatile HC-BTEX	7	N/A	2017/07/29	BBY WI-00033	Auto Calc
Volatile HC-BTEX	16	N/A	2017/07/31	BBY WI-00033	Auto Calc

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

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

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope

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Your Project #: MILLSTREAM MEADOWS DOMESTIC WE
Your C.O.C. #: 08437117

Attention:SHELLEY ALCOCK

CAPITAL REGIONAL DISTRICT
CRD-VIC 625 FISGARD
PO Box 1000
625 Fisgard Street
VICTORIA, BC
Canada V8W 2S6

Report Date: 2017/08/01
Report #: R2422033
Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B761682
Received: 2017/07/25, 15:20

dilution methods.
Results relate to samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Debbie Nordbruget, Project Manager
Email: DNordbruget@maxxam.ca
Phone# (250)385-6112

==========

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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9674	RO9675	RO9676	RO9677	RO9678	RO9679		
Sampling Date			2017/07/25 10:58	2017/07/25 11:05	2017/07/25 11:13	2017/07/25 11:34	2017/07/25 11:38	2017/07/25 11:44		
COC Number			08437117	08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	2017050643	2017050644	2017050645	2017050646	2017050647	2017050648	RDL	QC Batch
Polycyclic Aromatics										
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8705700
Total PAH	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
Quinoline	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8710687
Naphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8710687
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8710687
Acenaphthylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Acenaphthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Fluorene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Phenanthrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8710687
Acridine	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Fluoranthene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8710687
Pyrene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8710687
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8710687
Chrysene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8710687
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8710687
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8710687
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	8710687
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8710687
Calculated Parameters										
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
Ext. Pet. Hydrocarbon										
EPH (C10-C19)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8710695
EPH (C19-C32)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8710695
Surrogate Recovery (%)										
O-TERPHENYL (sur.)	%	-	102	102	101	102	101	103		8710695
D10-ANTHRACENE (sur.)	%	-	94	96	95	97	96	98		8710687
D8-ACENAPHTHYLENE (sur.)	%	-	97	97	96	97	97	98		8710687

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9674	RO9675	RO9676	RO9677	RO9678	RO9679		
Sampling Date			2017/07/25 10:58	2017/07/25 11:05	2017/07/25 11:13	2017/07/25 11:34	2017/07/25 11:38	2017/07/25 11:44		
COC Number			08437117	08437117	08437117	08437117	08437117	08437117		
	UNITS	**MAC**	**2017050643**	**2017050644**	**2017050645**	**2017050646**	**2017050647**	**2017050648**	**RDL**	**QC Batch**
D8-NAPHTHALENE (sur.)	%	-	107	105	103	103	106	105		8710687
TERPHENYL-D14 (sur.)	%	-	89	94	92	94	94	96		8710687

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9680	RO9681	RO9682	RO9683	RO9684	RO9685		
Sampling Date			2017/07/25 12:03	2017/07/25 12:06	2017/07/25 12:16	2017/07/25 12:20	2017/07/25 12:40	2017/07/25 12:40		
COC Number			08437117	08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	2017050649	2017050650	2017050651	2017050652	2017050653	2017050654	RDL	QC Batch
Polycyclic Aromatics										
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8705700
Total PAH	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
Quinoline	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Naphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8712442
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8712442
Acenaphthylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Acenaphthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Fluorene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Phenanthrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8712442
Acridine	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Fluoranthene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Pyrene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8712442
Chrysene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8712442
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8712442
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	8712442
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Calculated Parameters										
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
Ext. Pet. Hydrocarbon										
EPH (C10-C19)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8711882
EPH (C19-C32)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8711882
Surrogate Recovery (%)										
O-TERPHENYL (sur.)	%	-	106	106	107	107	109	108		8711882
D10-ANTHRACENE (sur.)	%	-	93	99	102	99	99	101		8712442
D8-ACENAPHTHYLENE (sur.)	%	-	88	82	79	85	89	85		8712442

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9680	RO9681	RO9682	RO9683	RO9684	RO9685		
Sampling Date			2017/07/25 12:03	2017/07/25 12:06	2017/07/25 12:16	2017/07/25 12:20	2017/07/25 12:40	2017/07/25 12:40		
COC Number			08437117	08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	2017050649	2017050650	2017050651	2017050652	2017050653	2017050654	RDL	QC Batch
D8-NAPHTHALENE (sur.)	%	-	53	53	47 (1)	51	57	58		8712442
TERPHENYL-D14 (sur.)	%	-	93	98	101	96	98	100		8712442

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

RDL = Reportable Detection Limit

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9686	RO9687	RO9688	RO9689	RO9690	RO9691		
Sampling Date			2017/07/25 12:46	2017/07/25 12:50	2017/07/25 12:55	2017/07/25 12:55	2017/07/25 13:15	2017/07/25 13:18		
COC Number			08437117	08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	2017050655	2017050656	2017050657	2017050658	2017050659	2017050660	RDL	QC Batch
Polycyclic Aromatics										
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8705700
Total PAH	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
Quinoline	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Naphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8712442
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8712442
Acenaphthylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Acenaphthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Fluorene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Phenanthrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8712442
Acridine	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Fluoranthene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Pyrene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8712442
Chrysene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8712442
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8712442
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	8712442
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Calculated Parameters										
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
Ext. Pet. Hydrocarbon										
EPH (C10-C19)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8711882
EPH (C19-C32)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8711882
Surrogate Recovery (%)										
O-TERPHENYL (sur.)	%	-	108	104	99	104	105	93		8711882
D10-ANTHRACENE (sur.)	%	-	101	101	100	102	95	94		8712442
D8-ACENAPHTHYLENE (sur.)	%	-	77	81	81	85	79	84		8712442

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

RDL = Reportable Detection Limit

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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9686	RO9687	RO9688	RO9689	RO9690	RO9691		
Sampling Date			2017/07/25 12:46	2017/07/25 12:50	2017/07/25 12:55	2017/07/25 12:55	2017/07/25 13:15	2017/07/25 13:18		
COC Number			08437117	08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	2017050655	2017050656	2017050657	2017050658	2017050659	2017050660	RDL	QC Batch
D8-NAPHTHALENE (sur.)	%	-	56	53	53	54	48 (1)	52		8712442
TERPHENYL-D14 (sur.)	%	-	100	100	96	101	95	91		8712442

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

RDL = Reportable Detection Limit

(1) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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Maxxam Job #: B761682
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CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9692	RO9693	RO9694	RO9695	RO9696		
Sampling Date			2017/07/25 13:20	2017/07/25 13:23	2017/07/25 13:27	2017/07/25 13:29	2017/07/25 14:54		
COC Number			08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	2017050661	2017050662	2017050663	2017050664	2017050665	RDL	QC Batch
Polycyclic Aromatics									
Low Molecular Weight PAH`s	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
High Molecular Weight PAH`s	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8705700
Total PAH	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8705700
Quinoline	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Naphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8712442
2-Methylnaphthalene	ug/L	-	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	8712442
Acenaphthylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Acenaphthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Fluorene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Phenanthrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8712442
Acridine	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Fluoranthene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Pyrene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Benzo(a)anthracene	ug/L	-	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	8712442
Chrysene	ug/L	-	<0.020	<0.020	<0.020	<0.020	<0.020	0.020	8712442
Benzo(b&j)fluoranthene	ug/L	-	<0.030	<0.030	<0.030	<0.030	<0.030	0.030	8712442
Benzo(k)fluoranthene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Benzo(a)pyrene	ug/L	0.04	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0050	8712442
Indeno(1,2,3-cd)pyrene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Dibenz(a,h)anthracene	ug/L	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0030	8712442
Benzo(g,h,i)perylene	ug/L	-	<0.050	<0.050	<0.050	<0.050	<0.050	0.050	8712442
Calculated Parameters									
LEPH (C10-C19 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
HEPH (C19-C32 less PAH)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8705702
Ext. Pet. Hydrocarbon									
EPH (C10-C19)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8711882
EPH (C19-C32)	mg/L	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8711882
Surrogate Recovery (%)									
O-TERPHENYL (sur.)	%	-	106	102	110	110	108		8711882
D10-ANTHRACENE (sur.)	%	-	94	98	101	99	108		8712442
D8-ACENAPHTHYLENE (sur.)	%	-	78	85	80	79	91		8712442

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

RDL = Reportable Detection Limit

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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

LEPH & HEPH WITH CSR/CCME PAH IN WATER (DRINKING WATER)

Maxxam ID			RO9692	RO9693	RO9694	RO9695	RO9696		
Sampling Date			2017/07/25 13:20	2017/07/25 13:23	2017/07/25 13:27	2017/07/25 13:29	2017/07/25 14:54		
COC Number			08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	2017050661	2017050662	2017050663	2017050664	2017050665	RDL	QC Batch
D8-NAPHTHALENE (sur.)	%	-	53	60	57	50	62		8712442
TERPHENYL-D14 (sur.)	%	-	93	97	100	98	106		8712442

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9674	RO9675	RO9676	RO9677	RO9678		
Sampling Date				2017/07/25 10:58	2017/07/25 11:05	2017/07/25 11:13	2017/07/25 11:34	2017/07/25 11:38		
COC Number				08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	AO	2017050643	2017050644	2017050645	2017050646	2017050647	RDL	QC Batch
Volatiles										
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	<300	<300	300	8705704
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8708544
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8708544
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8708544
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8708544
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
Chloroform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8708544
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8708544
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8708544
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8708544
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8708544
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8708544
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8708544

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9674	RO9675	RO9676	RO9677	RO9678		
Sampling Date				2017/07/25 10:58	2017/07/25 11:05	2017/07/25 11:13	2017/07/25 11:34	2017/07/25 11:38		
COC Number				08437117	08437117	08437117	08437117	08437117		
	UNITS	**MAC**	**AO**	**2017050643**	**2017050644**	**2017050645**	**2017050646**	**2017050647**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8708544
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8708544
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8708544
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8708544
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8708544
VH C6-C10	ug/L	-	-	<300	<300	<300	<300	<300	300	8708544
Surrogate Recovery (%)										
1,4-Difluorobenzene (sur.)	%	-	-	90	108	108	107	94		8708544
4-Bromofluorobenzene (sur.)	%	-	-	79	101	98	86	85		8708544
D4-1,2-Dichloroethane (sur.)	%	-	-	84	101	102	101	87		8708544

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9679	RO9680		RO9681	RO9682	RO9683		
Sampling Date				2017/07/25 11:44	2017/07/25 12:03		2017/07/25 12:06	2017/07/25 12:16	2017/07/25 12:20		
COC Number				08437117	08437117		08437117	08437117	08437117		
	UNITS	MAC	AO	2017050648	2017050649	QC Batch	2017050650	2017050651	2017050652	RDL	QC Batch
Volatiles											
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	8705704	<300	<300	<300	300	8705704
Chloromethane	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
Vinyl chloride	ug/L	2	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Chloroethane	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	8708544	<4.0	<4.0	<4.0	4.0	8710361
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	8708544	<2.0	<2.0	<2.0	2.0	8710361
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	8708544	<2.0	<2.0	<2.0	2.0	8710361
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Dichloromethane	ug/L	50	-	<2.0	<2.0	8708544	<2.0	<2.0	<2.0	2.0	8710361
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
Chloroform	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Benzene	ug/L	5	-	<0.40	<0.40	8708544	<0.40	<0.40	<0.40	0.40	8710361
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	8708544	<4.0	<4.0	<4.0	4.0	8710361
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
Bromomethane	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Trichloroethene	ug/L	5	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	8708544	<0.20	<0.20	<0.20	0.20	8710361
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361
Toluene	ug/L	60	24	<0.40	<0.40	8708544	<0.40	<0.40	<0.40	0.40	8710361
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	8708544	<0.40	<0.40	<0.40	0.40	8710361
m & p-Xylene	ug/L	-	-	<0.40	<0.40	8708544	<0.40	<0.40	<0.40	0.40	8710361
Bromoform	ug/L	-	-	<1.0	<1.0	8708544	<1.0	<1.0	<1.0	1.0	8710361

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9679	RO9680		RO9681	RO9682	RO9683		
Sampling Date				2017/07/25 11:44	2017/07/25 12:03		2017/07/25 12:06	2017/07/25 12:16	2017/07/25 12:20		
COC Number				08437117	08437117		08437117	08437117	08437117		
	UNITS	**MAC**	**AO**	**2017050648**	**2017050649**	**QC Batch**	**2017050650**	**2017050651**	**2017050652**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
o-Xylene	ug/L	-	-	<0.40	<0.40	8708544	<0.40	<0.40	<0.40	0.40	8710361
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	8708544	<0.40	<0.40	<0.40	0.40	8710361
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
Chlorobenzene	ug/L	80	30	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	8708544	<2.0	<2.0	<2.0	2.0	8710361
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	8708544	<2.0	<2.0	<2.0	2.0	8710361
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	8708544	<0.50	<0.50	<0.50	0.50	8710361
VH C6-C10	ug/L	-	-	<300	<300	8708544	<300	<300	<300	300	8710361
Surrogate Recovery (%)											
1,4-Difluorobenzene (sur.)	%	-	-	91	98	8708544	107	108	107		8710361
4-Bromofluorobenzene (sur.)	%	-	-	84	87	8708544	89	88	87		8710361
D4-1,2-Dichloroethane (sur.)	%	-	-	84	92	8708544	111	112	113		8710361

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9684	RO9685	RO9686	RO9687	RO9688		
Sampling Date				2017/07/25 12:40	2017/07/25 12:40	2017/07/25 12:46	2017/07/25 12:50	2017/07/25 12:55		
COC Number				08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	AO	2017050653	2017050654	2017050655	2017050656	2017050657	RDL	QC Batch
Volatiles										
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	<300	<300	300	8705704
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8710361
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Chloroform	ug/L	-	-	5.9	5.6	5.3	<1.0	3.1	1.0	8710361
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8710361
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Chlorodibromomethane	ug/L	-	-	4.6	4.6	4.7	<1.0	<1.0	1.0	8710361
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8710361
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Bromodichloromethane	ug/L	-	-	5.7	5.6	5.8	<1.0	<1.0	1.0	8710361
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9684	RO9685	RO9686	RO9687	RO9688		
Sampling Date				2017/07/25 12:40	2017/07/25 12:40	2017/07/25 12:46	2017/07/25 12:50	2017/07/25 12:55		
COC Number				08437117	08437117	08437117	08437117	08437117		
	UNITS	**MAC**	**AO**	**2017050653**	**2017050654**	**2017050655**	**2017050656**	**2017050657**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
VH C6-C10	ug/L	-	-	<300	<300	<300	<300	<300	300	8710361
Surrogate Recovery (%)										
1,4-Difluorobenzene (sur.)	%	-	-	107	107	108	108	109		8710361
4-Bromofluorobenzene (sur.)	%	-	-	88	88	87	88	87		8710361
D4-1,2-Dichloroethane (sur.)	%	-	-	113	113	114	114	112		8710361

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

RDL = Reportable Detection Limit

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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9689	RO9690	RO9691	RO9692	RO9693		
Sampling Date				2017/07/25 12:55	2017/07/25 13:15	2017/07/25 13:18	2017/07/25 13:20	2017/07/25 13:23		
COC Number				08437117	08437117	08437117	08437117	08437117		
	UNITS	MAC	AO	2017050658	2017050659	2017050660	2017050661	2017050662	RDL	QC Batch
Volatiles										
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	<300	<300	300	8705704
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8710361
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Chloroform	ug/L	-	-	3.1	<1.0	<1.0	<1.0	<1.0	1.0	8710361
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	<4.0	<4.0	4.0	8710361
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	<0.20	<0.20	<0.20	0.20	8710361
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	8710361

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9689	RO9690	RO9691	RO9692	RO9693		
Sampling Date				2017/07/25 12:55	2017/07/25 13:15	2017/07/25 13:18	2017/07/25 13:20	2017/07/25 13:23		
COC Number				08437117	08437117	08437117	08437117	08437117		
	UNITS	**MAC**	**AO**	**2017050658**	**2017050659**	**2017050660**	**2017050661**	**2017050662**	**RDL**	**QC Batch**
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	<0.40	<0.40	0.40	8710361
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	8710361
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	8710361
VH C6-C10	ug/L	-	-	<300	<300	<300	<300	<300	300	8710361
Surrogate Recovery (%)										
1,4-Difluorobenzene (sur.)	%	-	-	107	107	109	107	109		8710361
4-Bromofluorobenzene (sur.)	%	-	-	88	88	97	87	87		8710361
D4-1,2-Dichloroethane (sur.)	%	-	-	112	113	100	115	113		8710361

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

RDL = Reportable Detection Limit

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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9694	RO9695	RO9696		
Sampling Date				2017/07/25 13:27	2017/07/25 13:29	2017/07/25 14:54		
COC Number				08437117	08437117	08437117		
	UNITS	MAC	AO	2017050663	2017050664	2017050665	RDL	QC Batch
Volatiles								
VPH (VHW6 to 10 - BTEX)	ug/L	-	-	<300	<300	<300	300	8705704
Chloromethane	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
Vinyl chloride	ug/L	2	-	<0.50	<0.50	<0.50	0.50	8710361
Chloroethane	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
Trichlorofluoromethane	ug/L	-	-	<4.0	<4.0	<4.0	4.0	8710361
1,1,2Trichloro-1,2,2Trifluoroethane	ug/L	-	-	<2.0	<2.0	<2.0	2.0	8710361
Dichlorodifluoromethane	ug/L	-	-	<2.0	<2.0	<2.0	2.0	8710361
1,1-dichloroethene	ug/L	14	-	<0.50	<0.50	<0.50	0.50	8710361
Dichloromethane	ug/L	50	-	<2.0	<2.0	<2.0	2.0	8710361
trans-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
1,1-dichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
cis-1,2-dichloroethene	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
Chloroform	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
1,1,1-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichloroethane	ug/L	5	-	<0.50	<0.50	<0.50	0.50	8710361
Carbon tetrachloride	ug/L	2	-	<0.50	<0.50	<0.50	0.50	8710361
Benzene	ug/L	5	-	<0.40	<0.40	<0.40	0.40	8710361
Methyl-tert-butylether (MTBE)	ug/L	-	15	<4.0	<4.0	<4.0	4.0	8710361
1,2-dichloropropane	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
cis-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
trans-1,3-dichloropropene	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
Bromomethane	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
1,1,2-trichloroethane	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
Trichloroethene	ug/L	5	-	<0.50	<0.50	<0.50	0.50	8710361
Chlorodibromomethane	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
1,2-dibromoethane	ug/L	-	-	<0.20	<0.20	<0.20	0.20	8710361
Tetrachloroethene	ug/L	10	-	<0.50	<0.50	<0.50	0.50	8710361
Bromodichloromethane	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361
Toluene	ug/L	60	24	<0.40	<0.40	<0.40	0.40	8710361
Ethylbenzene	ug/L	140	1.6	<0.40	<0.40	<0.40	0.40	8710361
m & p-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	0.40	8710361
Bromoform	ug/L	-	-	<1.0	<1.0	<1.0	1.0	8710361

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

RDL = Reportable Detection Limit

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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

CSR VOC + VPH IN WATER (DRINKING WATER)

Maxxam ID				RO9694	RO9695	RO9696		
Sampling Date				2017/07/25 13:27	2017/07/25 13:29	2017/07/25 14:54		
COC Number				08437117	08437117	08437117		
	UNITS	MAC	AO	2017050663	2017050664	2017050665	RDL	QC Batch
Styrene	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
o-Xylene	ug/L	-	-	<0.40	<0.40	<0.40	0.40	8710361
Xylenes (Total)	ug/L	90	20	<0.40	<0.40	<0.40	0.40	8710361
1,1,1,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
1,1,2,2-tetrachloroethane	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
1,2-dichlorobenzene	ug/L	200	3	<0.50	<0.50	<0.50	0.50	8710361
1,3-dichlorobenzene	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
1,4-dichlorobenzene	ug/L	5	1	<0.50	<0.50	<0.50	0.50	8710361
Chlorobenzene	ug/L	80	30	<0.50	<0.50	<0.50	0.50	8710361
1,2,3-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	2.0	8710361
1,2,4-trichlorobenzene	ug/L	-	-	<2.0	<2.0	<2.0	2.0	8710361
Hexachlorobutadiene	ug/L	-	-	<0.50	<0.50	<0.50	0.50	8710361
VH C6-C10	ug/L	-	-	<300	<300	<300	300	8710361
Surrogate Recovery (%)								
1,4-Difluorobenzene (sur.)	%	-	-	109	109	109		8710361
4-Bromofluorobenzene (sur.)	%	-	-	86	87	87		8710361
D4-1,2-Dichloroethane (sur.)	%	-	-	114	113	112		8710361

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

RDL = Reportable Detection Limit

Maxxam Analytics International Corporation o/a Maxxam Analytics Burnaby: 4606 Canada Way V5G 1K5 Telephone(604) 734-7276 Fax(604) 731-2386

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Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

GENERAL COMMENTS

MAC,AO: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, February 2017.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG)
It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:
1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8708544	1,4-Difluorobenzene (sur.)	2017/07/28	102	70 - 130	89	70 - 130	96	%		
8708544	4-Bromofluorobenzene (sur.)	2017/07/28	103	70 - 130	90	70 - 130	95	%		
8708544	D4-1,2-Dichloroethane (sur.)	2017/07/28	102	70 - 130	93	70 - 130	96	%		
8710361	1,4-Difluorobenzene (sur.)	2017/07/29	99	70 - 130	105	70 - 130	108	%		
8710361	4-Bromofluorobenzene (sur.)	2017/07/29	103	70 - 130	102	70 - 130	88	%		
8710361	D4-1,2-Dichloroethane (sur.)	2017/07/29	99	70 - 130	105	70 - 130	111	%		
8710687	D10-ANTHRACENE (sur.)	2017/07/30	95	60 - 130	95	60 - 130	99	%		
8710687	D8-ACENAPHTHYLENE (sur.)	2017/07/30	96	50 - 130	97	50 - 130	97	%		
8710687	D8-NAPHTHALENE (sur.)	2017/07/30	99	50 - 130	98	50 - 130	100	%		
8710687	TERPHENYL-D14 (sur.)	2017/07/30	94	60 - 130	93	60 - 130	95	%		
8710695	O-TERPHENYL (sur.)	2017/07/30	105	60 - 140	106	60 - 140	107	%		
8711882	O-TERPHENYL (sur.)	2017/07/31	100	60 - 140	108	60 - 140	107	%		
8712442	D10-ANTHRACENE (sur.)	2017/07/31	93	60 - 130	88	60 - 130	99	%		
8712442	D8-ACENAPHTHYLENE (sur.)	2017/07/31	87	50 - 130	88	50 - 130	86	%		
8712442	D8-NAPHTHALENE (sur.)	2017/07/31	64	50 - 130	67	50 - 130	51	%		
8712442	TERPHENYL-D14 (sur.)	2017/07/31	101	60 - 130	96	60 - 130	99	%		
8708544	1,1,1,2-tetrachloroethane	2017/07/28	102	70 - 130	95	70 - 130	<0.50	ug/L		
8708544	1,1,1-trichloroethane	2017/07/28	107	70 - 130	99	70 - 130	<0.50	ug/L		
8708544	1,1,2,2-tetrachloroethane	2017/07/28	91	70 - 130	86	70 - 130	<0.50	ug/L		
8708544	1,1,2Trichloro-1,2,2Trifluoroethane	2017/07/28					<2.0	ug/L		
8708544	1,1,2-trichloroethane	2017/07/28	100	70 - 130	92	70 - 130	<0.50	ug/L		
8708544	1,1-dichloroethane	2017/07/28	102	70 - 130	94	70 - 130	<0.50	ug/L		
8708544	1,1-dichloroethene	2017/07/28	109	70 - 130	101	70 - 130	<0.50	ug/L		
8708544	1,2,3-trichlorobenzene	2017/07/28	74	70 - 130	75	70 - 130	<2.0	ug/L		
8708544	1,2,4-trichlorobenzene	2017/07/28	76	70 - 130	78	70 - 130	<2.0	ug/L		
8708544	1,2-dibromoethane	2017/07/28	99	70 - 130	93	70 - 130	<0.20	ug/L		
8708544	1,2-dichlorobenzene	2017/07/28	93	70 - 130	89	70 - 130	<0.50	ug/L		
8708544	1,2-dichloroethane	2017/07/28	113	70 - 130	96	70 - 130	<0.50	ug/L		
8708544	1,2-dichloropropane	2017/07/28	102	70 - 130	96	70 - 130	<0.50	ug/L		
8708544	1,3-dichlorobenzene	2017/07/28	93	70 - 130	95	70 - 130	<0.50	ug/L		
8708544	1,4-dichlorobenzene	2017/07/28	91	70 - 130	92	70 - 130	<0.50	ug/L		

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Maxxam Job #: B761682
Report Date: 2017/08/01

QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8708544	Benzene	2017/07/28	NC	70 - 130	94	70 - 130	<0.40	ug/L		
8708544	Bromodichloromethane	2017/07/28	101	70 - 130	94	70 - 130	<1.0	ug/L		
8708544	Bromoform	2017/07/28	99	70 - 130	94	70 - 130	<1.0	ug/L		
8708544	Bromomethane	2017/07/28	71	60 - 140	107	60 - 140	<1.0	ug/L		
8708544	Carbon tetrachloride	2017/07/28	92	70 - 130	89	70 - 130	<0.50	ug/L		
8708544	Chlorobenzene	2017/07/28	100	70 - 130	91	70 - 130	<0.50	ug/L		
8708544	Chlorodibromomethane	2017/07/28	105	70 - 130	96	70 - 130	<1.0	ug/L		
8708544	Chloroethane	2017/07/28	106	60 - 140	103	60 - 140	<1.0	ug/L		
8708544	Chloroform	2017/07/28	99	70 - 130	90	70 - 130	<1.0	ug/L		
8708544	Chloromethane	2017/07/28	100	60 - 140	97	60 - 140	<1.0	ug/L		
8708544	cis-1,2-dichloroethene	2017/07/28	107	70 - 130	99	70 - 130	<1.0	ug/L		
8708544	cis-1,3-dichloropropene	2017/07/28	70	70 - 130	89	70 - 130	<1.0	ug/L		
8708544	Dichlorodifluoromethane	2017/07/28	134	60 - 140	124	60 - 140	<2.0	ug/L		
8708544	Dichloromethane	2017/07/28	NC	70 - 130	94	70 - 130	<2.0	ug/L		
8708544	Ethylbenzene	2017/07/28	105	70 - 130	94	70 - 130	<0.40	ug/L		
8708544	Hexachlorobutadiene	2017/07/28			83	70 - 130	<0.50	ug/L		
8708544	m & p-Xylene	2017/07/28	NC	70 - 130	97	70 - 130	<0.40	ug/L		
8708544	Methyl-tert-butylether (MTBE)	2017/07/28	98	70 - 130	93	70 - 130	<4.0	ug/L		
8708544	o-Xylene	2017/07/28	NC	70 - 130	96	70 - 130	<0.40	ug/L		
8708544	Styrene	2017/07/28	116	70 - 130	100	70 - 130	<0.50	ug/L		
8708544	Tetrachloroethene	2017/07/28	106	70 - 130	97	70 - 130	<0.50	ug/L		
8708544	Toluene	2017/07/28	NC	70 - 130	95	70 - 130	<0.40	ug/L		
8708544	trans-1,2-dichloroethene	2017/07/28	104	70 - 130	96	70 - 130	<1.0	ug/L		
8708544	trans-1,3-dichloropropene	2017/07/28	82	70 - 130	77	70 - 130	<1.0	ug/L		
8708544	Trichloroethene	2017/07/28	104	70 - 130	97	70 - 130	<0.50	ug/L		
8708544	Trichlorofluoromethane	2017/07/28	130	60 - 140	119	60 - 140	<4.0	ug/L		
8708544	VH C6-C10	2017/07/28			110	70 - 130	<300	ug/L		
8708544	Vinyl chloride	2017/07/28	107	60 - 140	110	60 - 140	<0.50	ug/L		
8708544	Xylenes (Total)	2017/07/28					<0.40	ug/L		
8710361	1,1,1,2-tetrachloroethane	2017/07/29	97	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8710361	1,1,1-trichloroethane	2017/07/29	100	70 - 130	97	70 - 130	<0.50	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8710361	1,1,2,2-tetrachloroethane	2017/07/29	101	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
8710361	1,1,2Trichloro-1,2,2Trifluoroethane	2017/07/29					<2.0	ug/L	NC	30
8710361	1,1,2-trichloroethane	2017/07/29	98	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8710361	1,1-dichloroethane	2017/07/29	99	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8710361	1,1-dichloroethene	2017/07/29	105	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
8710361	1,2,3-trichlorobenzene	2017/07/29	114	70 - 130	106	70 - 130	<2.0	ug/L	NC	30
8710361	1,2,4-trichlorobenzene	2017/07/29	113	70 - 130	106	70 - 130	<2.0	ug/L	NC	30
8710361	1,2-dibromoethane	2017/07/29	96	70 - 130	94	70 - 130	<0.20	ug/L	NC	30
8710361	1,2-dichlorobenzene	2017/07/29	107	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
8710361	1,2-dichloroethane	2017/07/29	96	70 - 130	94	70 - 130	<0.50	ug/L	NC	30
8710361	1,2-dichloropropane	2017/07/29	98	70 - 130	97	70 - 130	<0.50	ug/L	NC	30
8710361	1,3-dichlorobenzene	2017/07/29	108	70 - 130	105	70 - 130	<0.50	ug/L	NC	30
8710361	1,4-dichlorobenzene	2017/07/29	106	70 - 130	103	70 - 130	<0.50	ug/L	NC	30
8710361	Benzene	2017/07/29	100	70 - 130	100	70 - 130	<0.40	ug/L	NC	30
8710361	Bromodichloromethane	2017/07/29	95	70 - 130	92	70 - 130	<1.0	ug/L	NC	30
8710361	Bromoform	2017/07/29	90	70 - 130	86	70 - 130	<1.0	ug/L	NC	30
8710361	Bromomethane	2017/07/29	107	60 - 140	105	60 - 140	<1.0	ug/L	NC	30
8710361	Carbon tetrachloride	2017/07/29	99	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8710361	Chlorobenzene	2017/07/29	93	70 - 130	93	70 - 130	<0.50	ug/L	NC	30
8710361	Chlorodibromomethane	2017/07/29	95	70 - 130	92	70 - 130	<1.0	ug/L	NC	30
8710361	Chloroethane	2017/07/29	74	60 - 140	104	60 - 140	<1.0	ug/L	NC	30
8710361	Chloroform	2017/07/29	100	70 - 130	98	70 - 130	<1.0	ug/L	NC	30
8710361	Chloromethane	2017/07/29	113	60 - 140	112	60 - 140	<1.0	ug/L	NC	30
8710361	cis-1,2-dichloroethene	2017/07/29	100	70 - 130	100	70 - 130	<1.0	ug/L	NC	30
8710361	cis-1,3-dichloropropene	2017/07/29	101	70 - 130	99	70 - 130	<1.0	ug/L	NC	30
8710361	Dichlorodifluoromethane	2017/07/29	140	60 - 140	137	60 - 140	<2.0	ug/L	NC	30
8710361	Dichloromethane	2017/07/29	100	70 - 130	99	70 - 130	<2.0	ug/L	NC	30
8710361	Ethylbenzene	2017/07/29	99	70 - 130	101	70 - 130	<0.40	ug/L	NC	30
8710361	Hexachlorobutadiene	2017/07/29	110	70 - 130	102	70 - 130	<0.50	ug/L	NC	30
8710361	m & p-Xylene	2017/07/29	112	70 - 130	113	70 - 130	<0.40	ug/L	NC	30
8710361	Methyl-tert-butylether (MTBE)	2017/07/29	95	70 - 130	96	70 - 130	<4.0	ug/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8710361	o-Xylene	2017/07/29	102	70 - 130	104	70 - 130	<0.40	ug/L	NC	30
8710361	Styrene	2017/07/29	86	70 - 130	86	70 - 130	<0.50	ug/L	NC	30
8710361	Tetrachloroethene	2017/07/29	99	70 - 130	98	70 - 130	<0.50	ug/L	NC	30
8710361	Toluene	2017/07/29	95	70 - 130	97	70 - 130	<0.40	ug/L	NC	30
8710361	trans-1,2-dichloroethene	2017/07/29	99	70 - 130	97	70 - 130	<1.0	ug/L	NC	30
8710361	trans-1,3-dichloropropene	2017/07/29	91	70 - 130	91	70 - 130	<1.0	ug/L	NC	30
8710361	Trichloroethene	2017/07/29	98	70 - 130	96	70 - 130	<0.50	ug/L	NC	30
8710361	Trichlorofluoromethane	2017/07/29	122	60 - 140	118	60 - 140	<4.0	ug/L	NC	30
8710361	VH C6-C10	2017/07/29			121	70 - 130	<300	ug/L	NC	30
8710361	Vinyl chloride	2017/07/29	119	60 - 140	120	60 - 140	<0.50	ug/L	NC	30
8710361	Xylenes (Total)	2017/07/29					<0.40	ug/L	NC	30
8710687	2-Methylnaphthalene	2017/07/30	90	50 - 130	84	50 - 130	<0.10	ug/L	NC	40
8710687	Acenaphthene	2017/07/30	94	50 - 130	90	50 - 130	<0.050	ug/L	NC	40
8710687	Acenaphthylene	2017/07/30	88	50 - 130	84	50 - 130	<0.050	ug/L	NC	40
8710687	Acridine	2017/07/30	94	50 - 130	89	50 - 130	<0.050	ug/L	NC	40
8710687	Anthracene	2017/07/30	95	60 - 130	90	60 - 130	<0.010	ug/L	NC	40
8710687	Benzo(a)anthracene	2017/07/30	88	60 - 130	85	60 - 130	<0.010	ug/L	NC	40
8710687	Benzo(a)pyrene	2017/07/30	91	60 - 130	87	60 - 130	<0.0050	ug/L	NC	40
8710687	Benzo(b&j)fluoranthene	2017/07/30	94	60 - 130	89	60 - 130	<0.030	ug/L	NC	40
8710687	Benzo(g,h,i)perylene	2017/07/30	92	60 - 130	88	60 - 130	<0.050	ug/L	NC	40
8710687	Benzo(k)fluoranthene	2017/07/30	93	60 - 130	91	60 - 130	<0.050	ug/L	NC	40
8710687	Chrysene	2017/07/30	87	60 - 130	84	60 - 130	<0.020	ug/L	NC	40
8710687	Dibenz(a,h)anthracene	2017/07/30	95	60 - 130	92	60 - 130	<0.0030	ug/L	NC	40
8710687	Fluoranthene	2017/07/30	88	60 - 130	85	60 - 130	<0.020	ug/L	NC	40
8710687	Fluorene	2017/07/30	87	50 - 130	84	50 - 130	<0.050	ug/L	NC	40
8710687	Indeno(1,2,3-cd)pyrene	2017/07/30	98	60 - 130	95	60 - 130	<0.050	ug/L	NC	40
8710687	Naphthalene	2017/07/30	93	50 - 130	87	50 - 130	<0.10	ug/L	NC	40
8710687	Phenanthrene	2017/07/30	89	60 - 130	86	60 - 130	<0.050	ug/L	NC	40
8710687	Pyrene	2017/07/30	92	60 - 130	87	60 - 130	<0.020	ug/L	NC	40
8710687	Quinoline	2017/07/30	112	50 - 130	107	50 - 130	<0.020	ug/L	NC	40
8710695	EPH (C10-C19)	2017/07/30	99	60 - 140	99	70 - 130	<0.20	mg/L	NC	30

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QUALITY ASSURANCE REPORT(CONT'D)

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8710695	EPH (C19-C32)	2017/07/30	108	60 - 140	101	70 - 130	<0.20	mg/L	NC	30
8711882	EPH (C10-C19)	2017/07/31	99	60 - 140	101	70 - 130	<0.20	mg/L	NC	30
8711882	EPH (C19-C32)	2017/07/31	91	60 - 140	90	70 - 130	<0.20	mg/L	NC	30
8712442	2-Methylnaphthalene	2017/07/31	107	50 - 130	103	50 - 130	<0.10	ug/L	NC	40
8712442	Acenaphthene	2017/07/31	99	50 - 130	97	50 - 130	<0.050	ug/L	NC	40
8712442	Acenaphthylene	2017/07/31	96	50 - 130	95	50 - 130	<0.050	ug/L	NC	40
8712442	Acridine	2017/07/31	90	50 - 130	98	50 - 130	<0.050	ug/L	NC	40
8712442	Anthracene	2017/07/31	92	60 - 130	86	60 - 130	<0.010	ug/L	NC	40
8712442	Benzo(a)anthracene	2017/07/31	93	60 - 130	96	60 - 130	<0.010	ug/L	NC	40
8712442	Benzo(a)pyrene	2017/07/31	88	60 - 130	96	60 - 130	<0.0050	ug/L	NC	40
8712442	Benzo(b&j)fluoranthene	2017/07/31	91	60 - 130	103	60 - 130	<0.030	ug/L	NC	40
8712442	Benzo(g,h,i)perylene	2017/07/31	67	60 - 130	88	60 - 130	<0.050	ug/L	NC	40
8712442	Benzo(k)fluoranthene	2017/07/31	94	60 - 130	97	60 - 130	<0.050	ug/L	NC	40
8712442	Chrysene	2017/07/31	96	60 - 130	97	60 - 130	<0.020	ug/L	NC	40
8712442	Dibenz(a,h)anthracene	2017/07/31	68	60 - 130	90	60 - 130	<0.0030	ug/L	NC	40
8712442	Fluoranthene	2017/07/31	90	60 - 130	92	60 - 130	<0.020	ug/L	NC	40
8712442	Fluorene	2017/07/31	92	50 - 130	93	50 - 130	<0.050	ug/L	NC	40
8712442	Indeno(1,2,3-cd)pyrene	2017/07/31	70	60 - 130	91	60 - 130	<0.050	ug/L	NC	40
8712442	Naphthalene	2017/07/31	121	50 - 130	117	50 - 130	<0.10	ug/L	NC	40
8712442	Phenanthrene	2017/07/31	91	60 - 130	97	60 - 130	<0.050	ug/L	NC	40
8712442	Pyrene	2017/07/31	94	60 - 130	94	60 - 130	<0.020	ug/L	NC	40
8712442	Quinoline	2017/07/31	103	50 - 130	109	50 - 130	<0.020	ug/L	NC	40

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Surrogate: A pure or isotopically labeled compound whose behavior mirrors the analytes of interest. Used to evaluate extraction efficiency.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

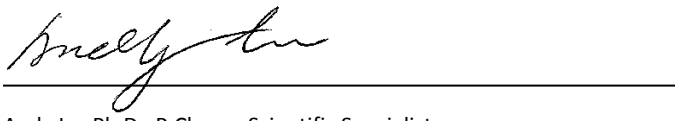
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Maxxam Job #: B761682
Report Date: 2017/08/01

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Sampler Initials: SA

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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Maxxam

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5 Ph: (604) 734-7276 Fax: (604) 731-2386, Toll Free: (800) 665-8566
Project Name: Millstream Meadows Domestic Wells
Contract #: EPRO2016-085

08437117

CHAIN OF CUSTODY FORM

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
	2017-050-643	2017-07-25	10:58	water	X	X	X	Drinking Water
	2017-050-644	2017-07-25	11:05	water	X	X	X	Drinking Water
	2017-050-645	2017-07-25	11:13	water	X	X	X	Drinking Water
	2017-050-646	2017-07-25	11:34	water	X	X	X	Drinking Water
	2017-050-647	2017-07-25	11:38	water	X	X	X	Drinking Water
	2017-050-648	2017-07-25	11:44	water	X	X	X	Drinking Water
	2017-050-649	2017-07-25	12:03	water	X	X	X	Drinking Water
	2017-050-650	2017-07-25	12:06	water	X	X	X	Drinking Water
	2017-050-651	2017-07-25	12:16	water	X	X	X	Drinking Water
	2017-050-652	2017-07-25	12:20	water	X	X	X	Drinking Water

TURN AROUND REQUIRED:	◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)	RELINQUISHED BY:	DATE: 2017-07-25	RECEIVED BY:	DATE:		
		Shelley Alcock	TIME: 9:49 15:19		TIME:		
SEND INVOICE TO	☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	2017/07/25	
INVOICE FORMAT	☐ HARDCOPY ☑ PDF ☐ FAX		TIME:		TIME:	15:26	

SPECIAL INSTRUCTIONS:

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____ °C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

6,17.19 JS.

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B761682

Maxxam

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5 Ph: (604) 734-7276 Fax: (604) 731-2386, Toll Free: (800) 665-8566
Project Name: Millstream Meadows Domestic Wells
Contract #: EPRO2016-085

CHAIN OF CUSTODY FORM

08437117

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr				
	☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
	2017-050-653	2017-07-25	12:40	water	X	X	X	Drinking Water
	2017-050-654	2017-07-25	12:40	water	X	X	X	Drinking Water
	2017-050-655	2017-07-25	12:46	water	X	X	X	Drinking Water
	2017-050-656	2017-07-25	12:50	water	X	X	X	Drinking Water
	2017-050-657	2017-07-25	12:55	water	X	X	X	Drinking Water
	2017-050-658	2017-07-25	12:55	water	X	X	X	Drinking Water
	2017-050-659	2017-07-25	13:15	water	X	X	X	Drinking Water
	2017-050-660	2017-07-25	13:18	water	X	X	X	Drinking Water
	2017-050-661	2017-07-25	13:20	water	X	X	X	Drinking Water
	2017-050-662	2017-07-25	13:23	water	X	X	X	Drinking Water

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO: ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT: ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY:	DATE:	2017-07-25	RECEIVED BY:	DATE:	
Shelley Alcock	TIME:	9:49 15:19		TIME:	
RELINQUISHED BY:	DATE:		RECEIVED BY:	DATE:	2017/07/25
	TIME:			TIME:	15:20

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____°C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

E, 17, 19 JS.

G:/QUALITY/00_DOCUMENTS/10_AUTHORIZED/FORMS/ALSEVC_CHNCSTDY_5COPY_R03.XLS

B761682.

Maxxam

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5 Ph: (604) 734-7276 Fax: (604) 731-2386, Toll Free: (800) 665-8566
Project Name: Millstream Meadows Domestic Wells
Contract #: EPRO2016-085

CHAIN OF CUSTODY FORM 08437117

PAGE 3 OF 3

SEND REPORT TO:

COMPANY:	CAPITAL REGIONAL DISTRICT (CRD)				
ADDRESS:	625 FISGARD STREET, PO BOX 1000				
CITY:	VICTORIA	PROV:	BC	POSTAL CODE:	V8W 2S6
TEL:	(250) 360-3148	FAX:	(250) 360-3254	CONTACT:	Korene Torney
PROJECT NAME AND NO.:		MILLSTREAM DOMESTIC WELLS		SAMPLER:	Shelley Alcock
QUOTE NO.:		PO NO.:		ALS CONTACT:	JERRY HOLZBE
REPORT FORMAT	☐ HARDCOPY ☑ EMAIL - ADDRESS: salcock@crd.bc.ca; ktorney@cr ☐ FAX ☐ EXCEL ☑ PDF ☑ OTHER: CRD Excel Results				

ANALYSIS REQUESTED:

FOR LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED YYYY-MM-DD	TIME	MATRIX	LEPH	HEPH	VOCs	NOTES (sample specific comments, due dates, etc.)
	2017-050-663	2017-07-25	13:27	water	X	X	X	Drinking Water
	2017-050-664	2017-07-25	13:29	water	X	X	X	Drinking Water
	2017-050-665	2017-07-25	14:54	Water	X	X	X	"

TURN AROUND REQUIRED: ◉ ROUTINE ○ RUSH SPECIFY DATE: _____ (surcharge may apply)

SEND INVOICE TO ☑ SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)

INVOICE FORMAT ☐ HARDCOPY ☑ PDF ☐ FAX

SPECIAL INSTRUCTIONS:

RELINQUISHED BY: Shelley Alcock	DATE: 2017-07-25	TIME: 9:49 15:19	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE: 2017/07/25	TIME: 15:20

FOR LAB USE ONLY

Cooler Seal Intact?	Sample Temperature: ____°C	Cooling Method?
___Yes ___No ___N/A	Frozen? ___Yes ___No	___Icepacks ___Ice ___None

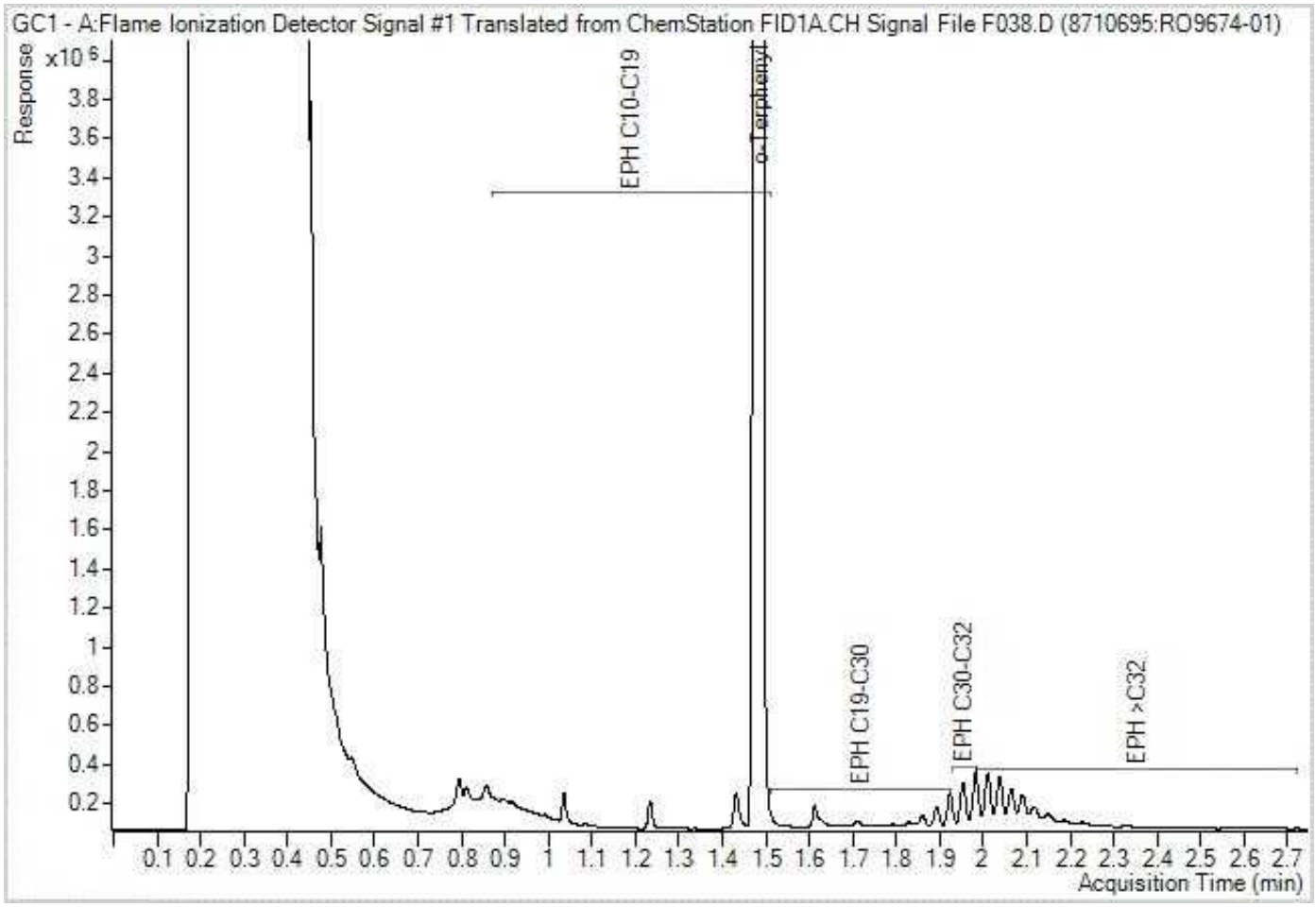
6, 17, 19 JS.

G:\QUALITY\00_DOCUMENTS\10_AUTHORIZED\FORMS\ALSEVC_CHNCSTDY_ECOPY_R03.XLS

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9674

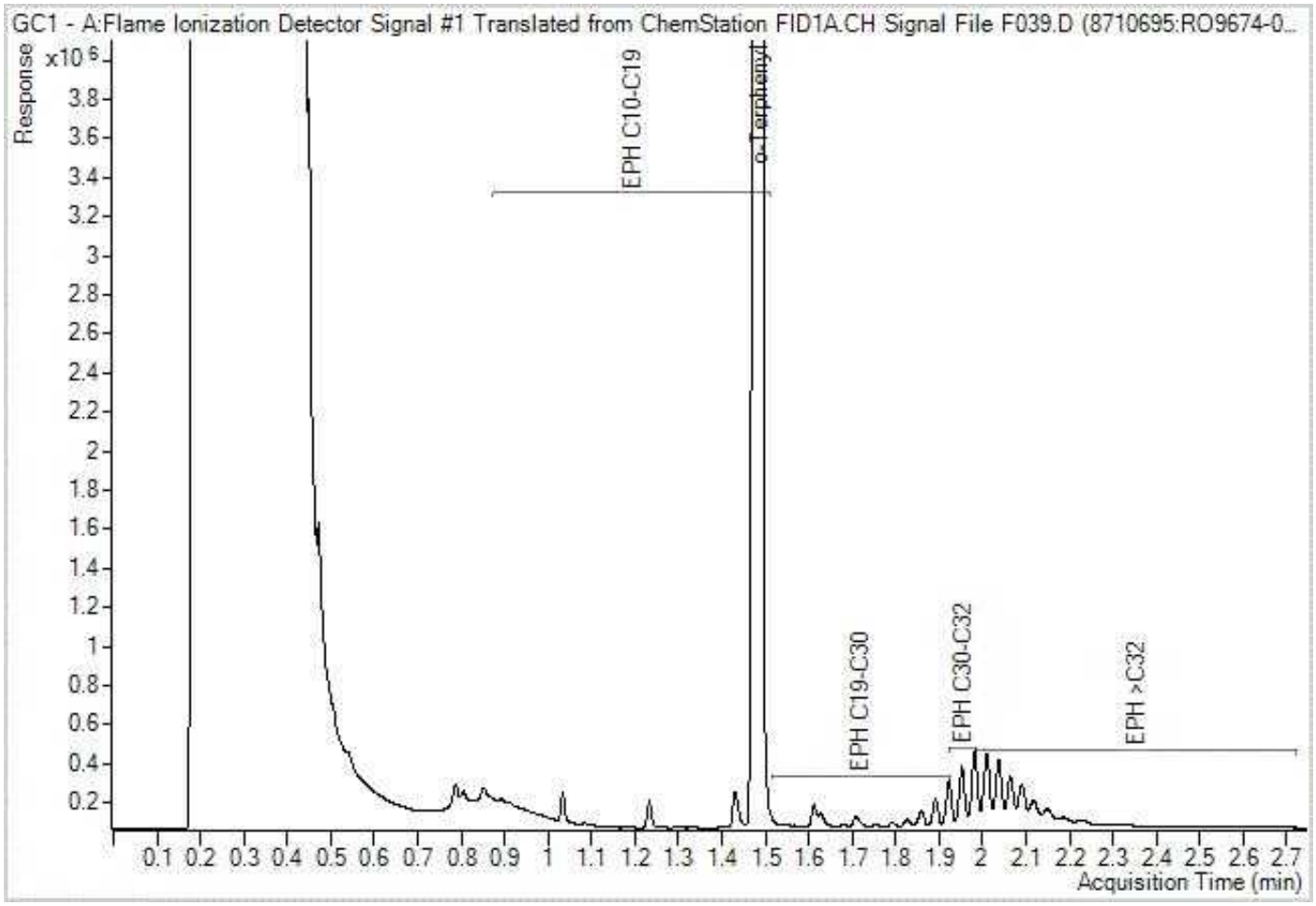
CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050643

EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram

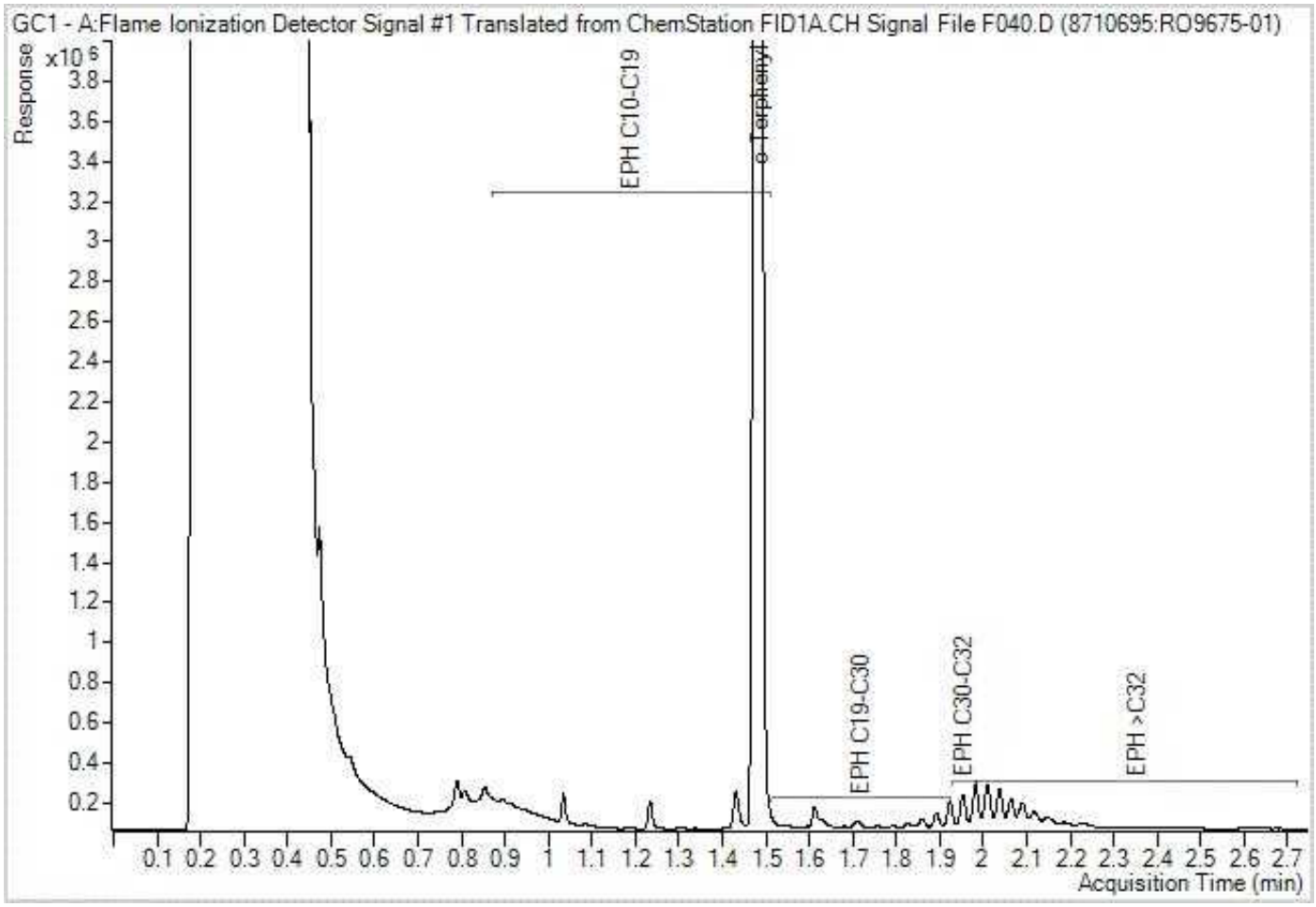


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9675

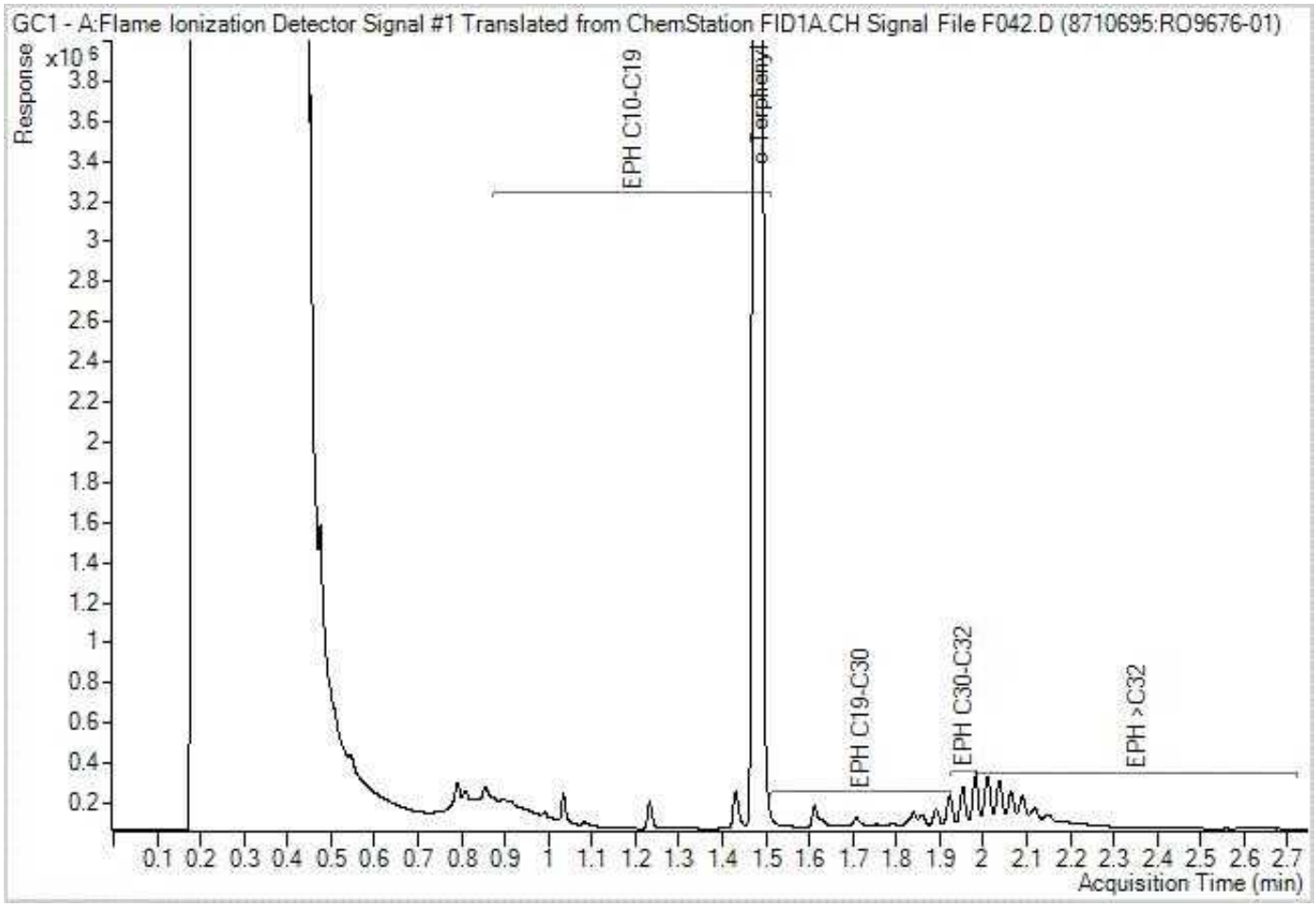
CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050644

EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram

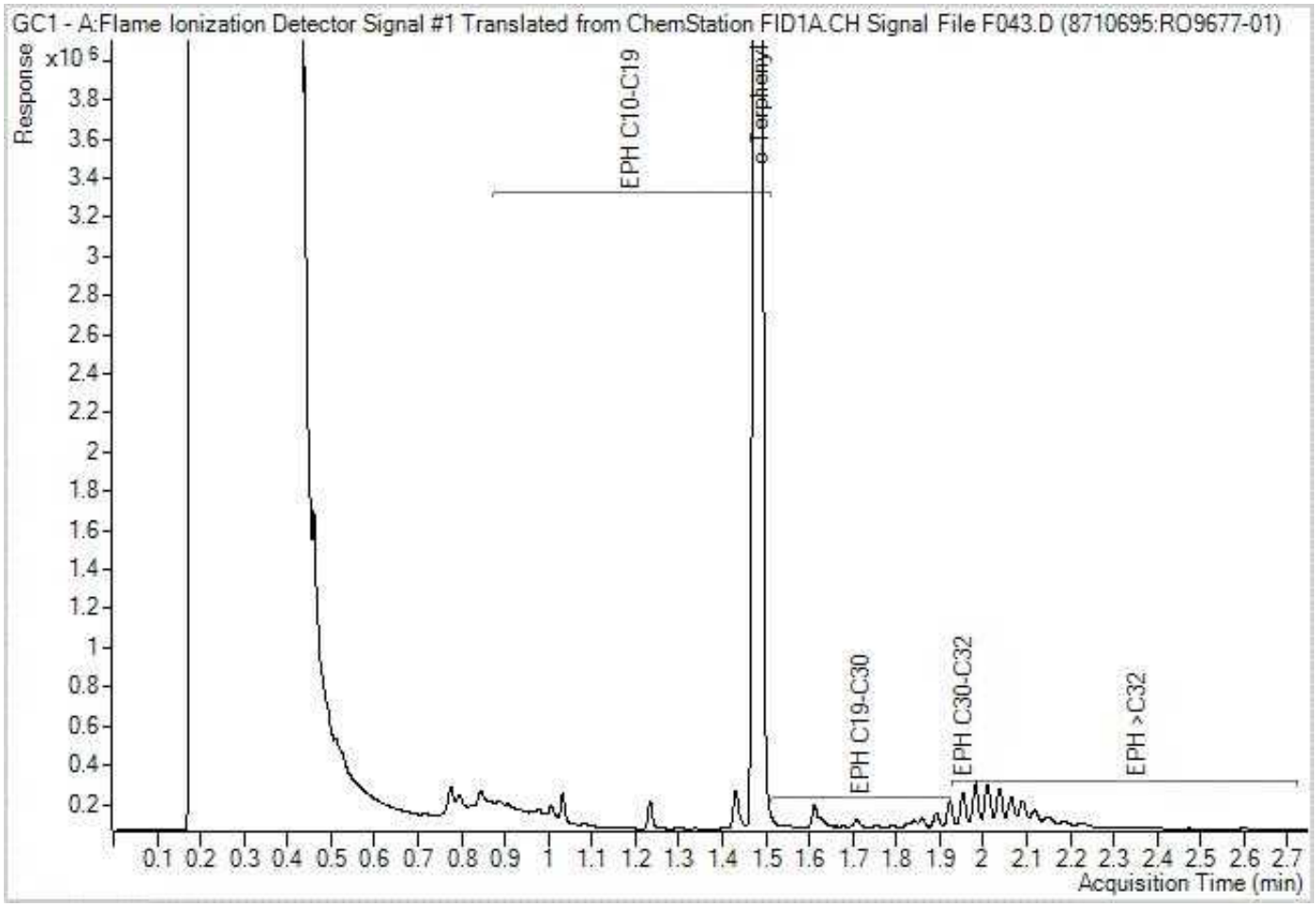


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9677

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050646

EPH in Water when PAH required Chromatogram

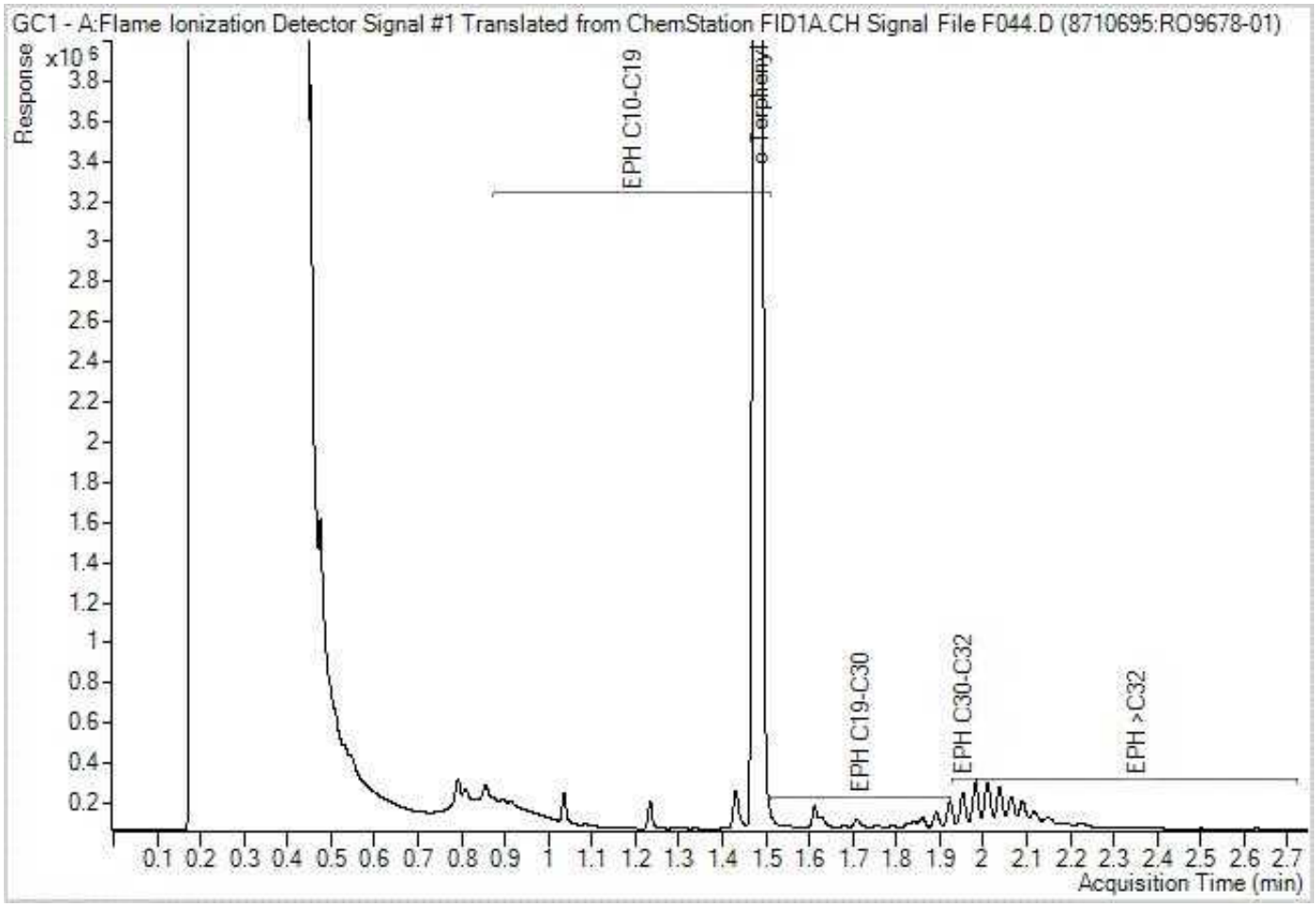


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9678

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050647

EPH in Water when PAH required Chromatogram

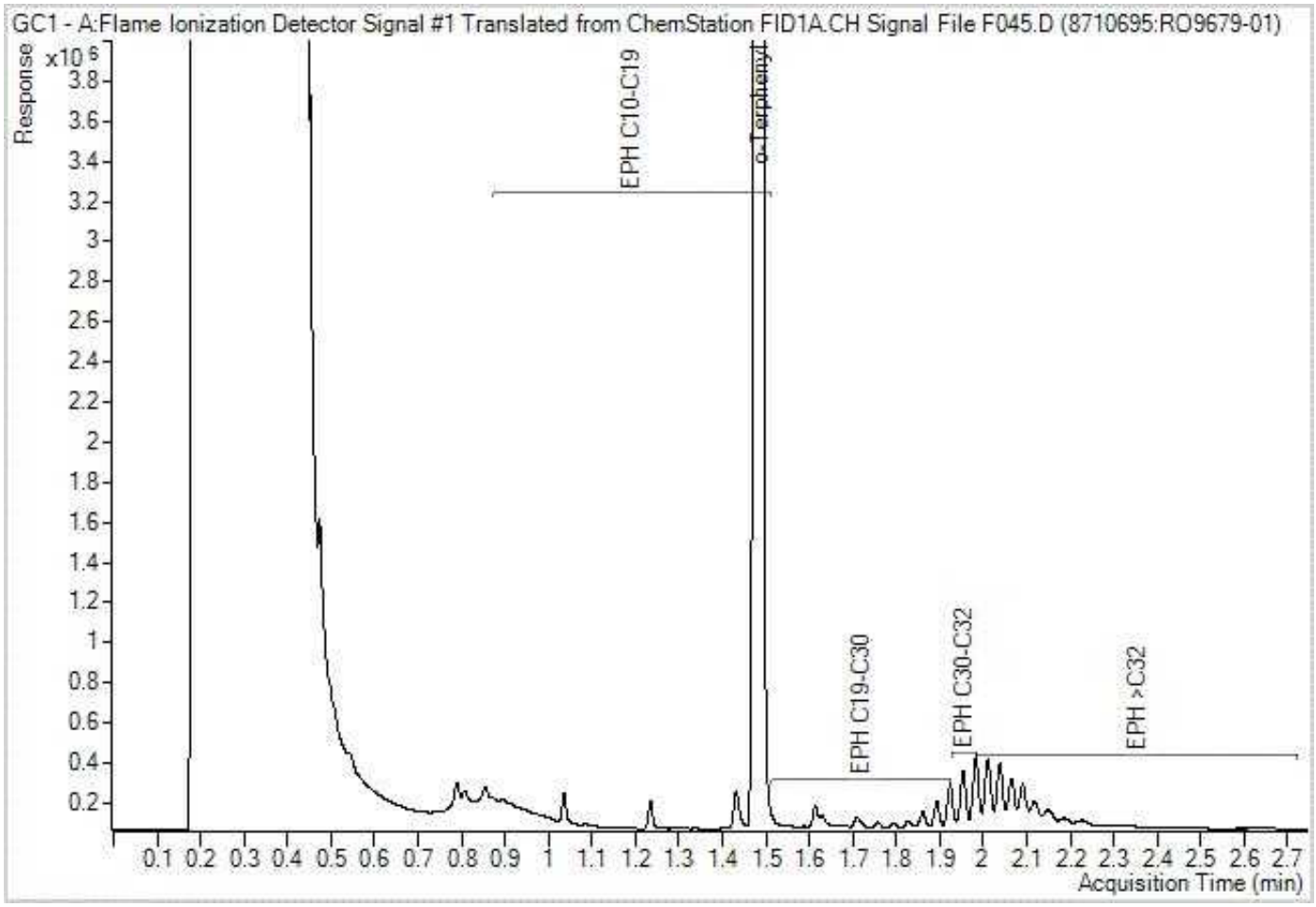


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9679

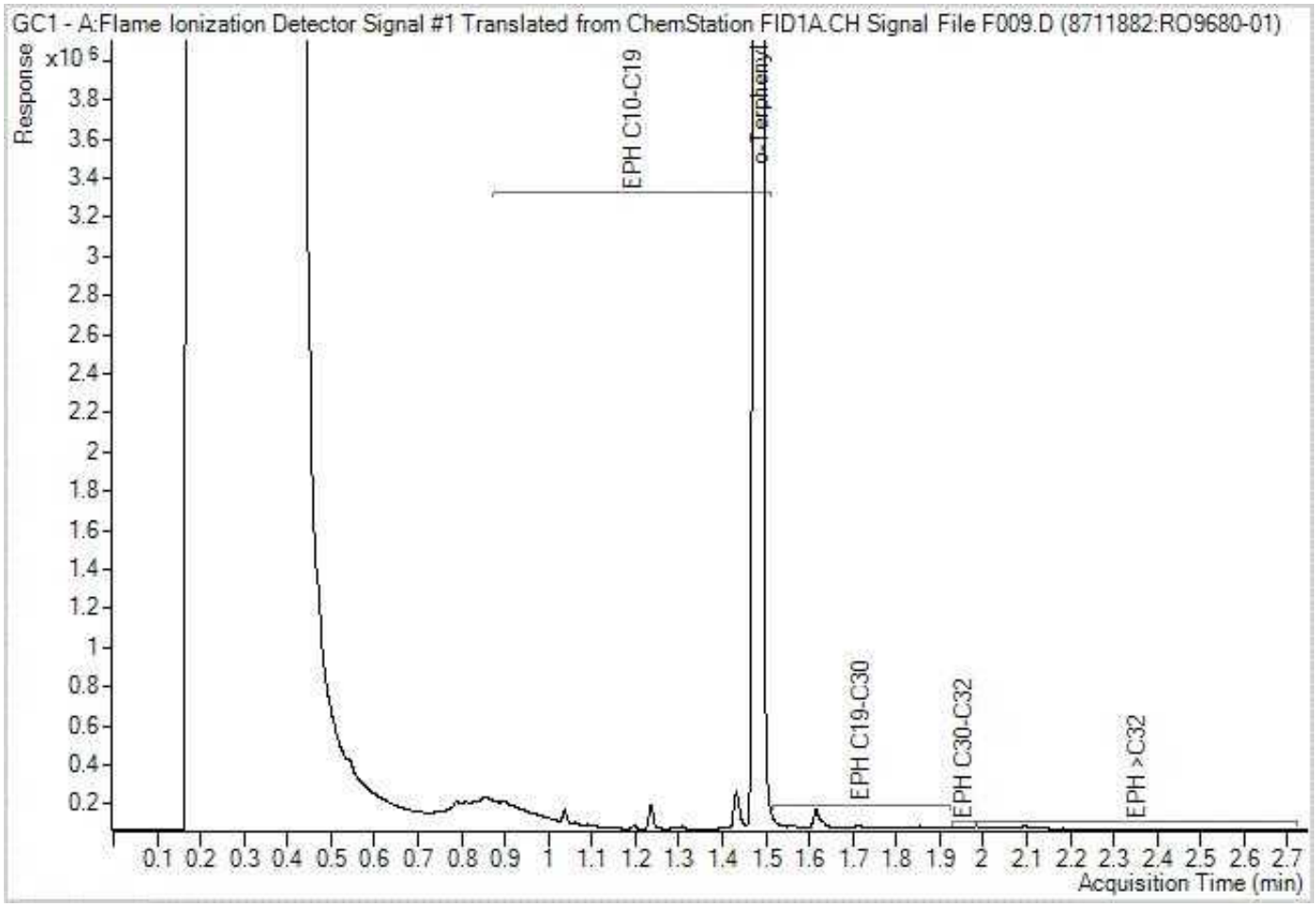
CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050648

EPH in Water when PAH required Chromatogram



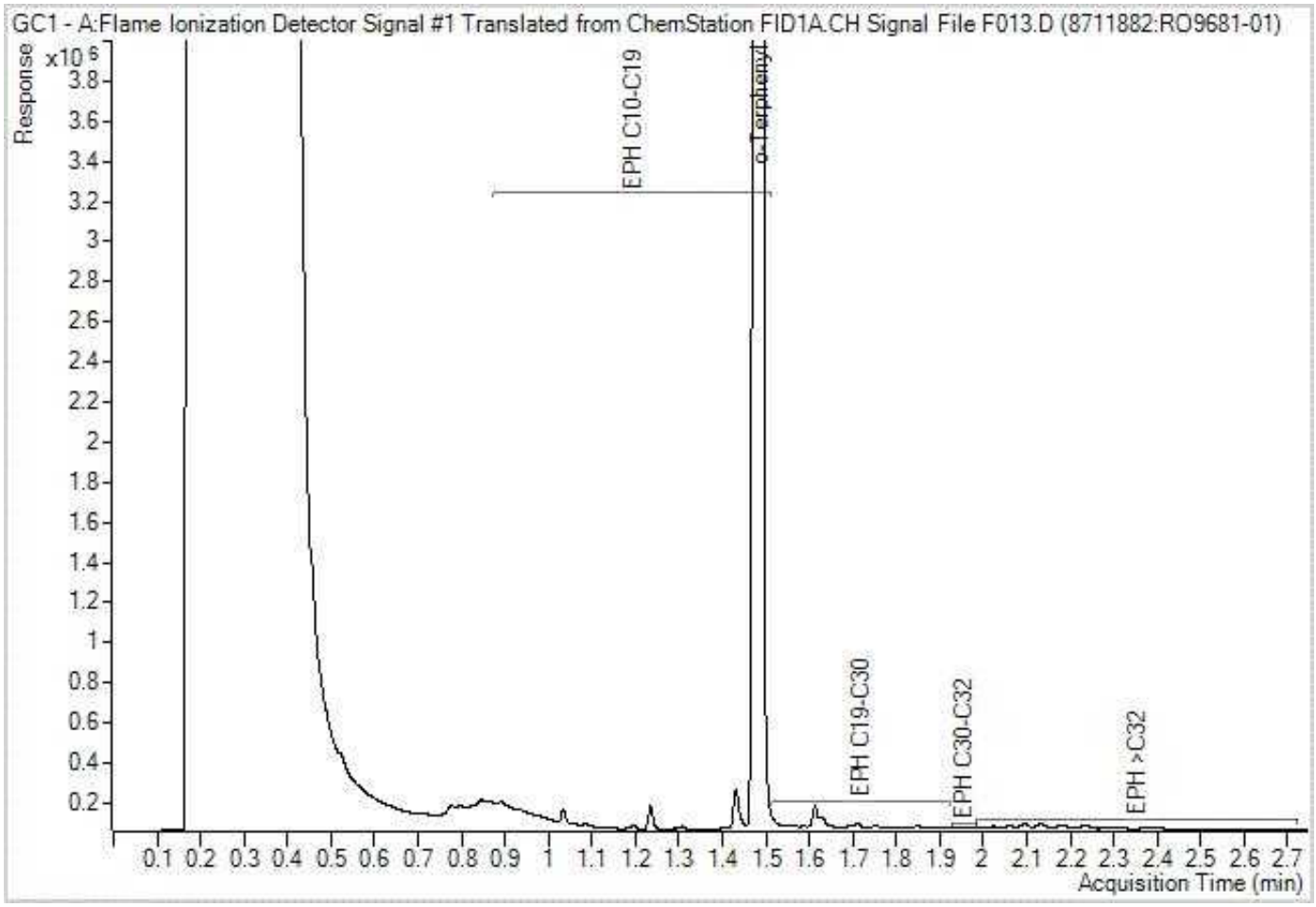
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram



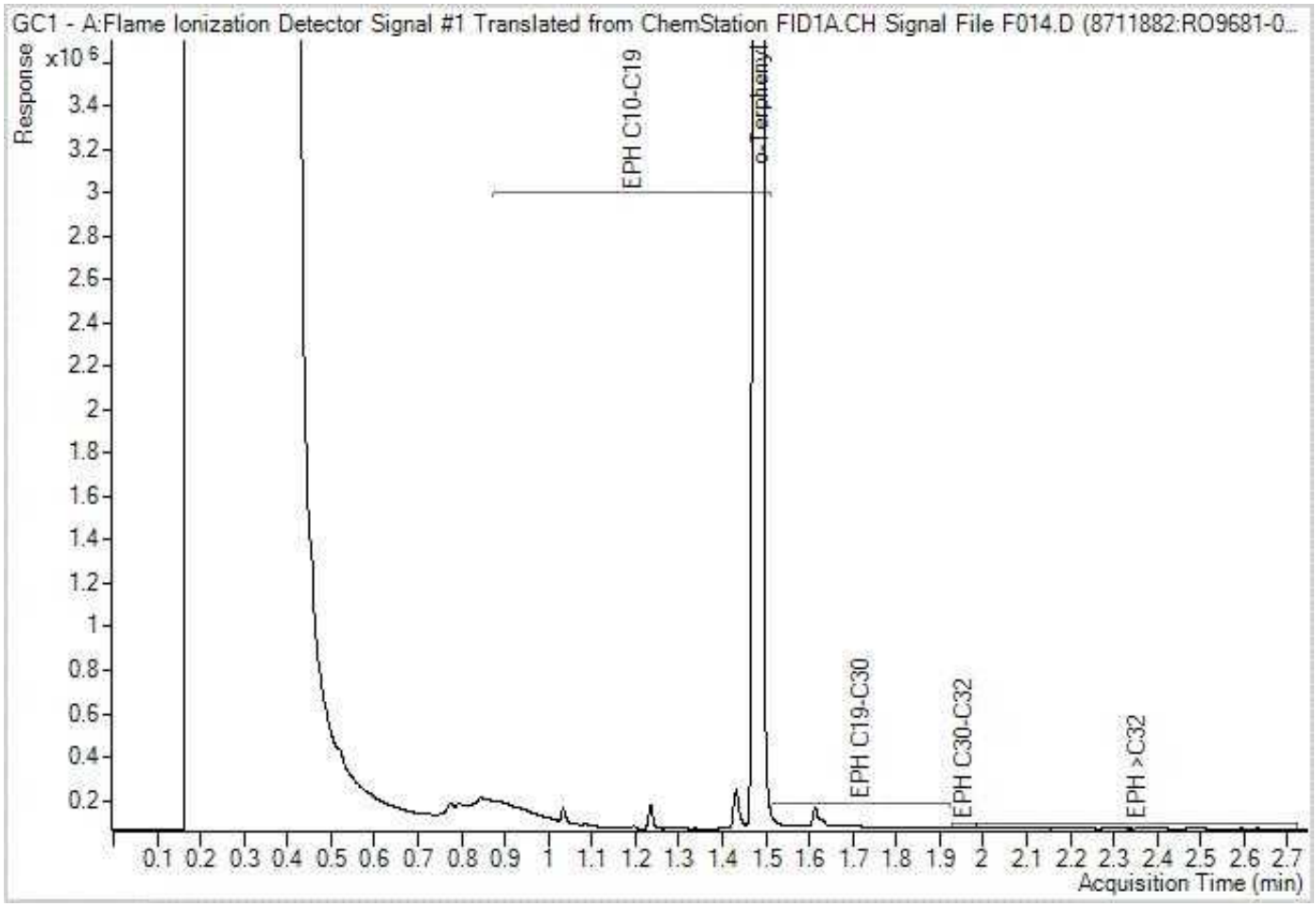
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram

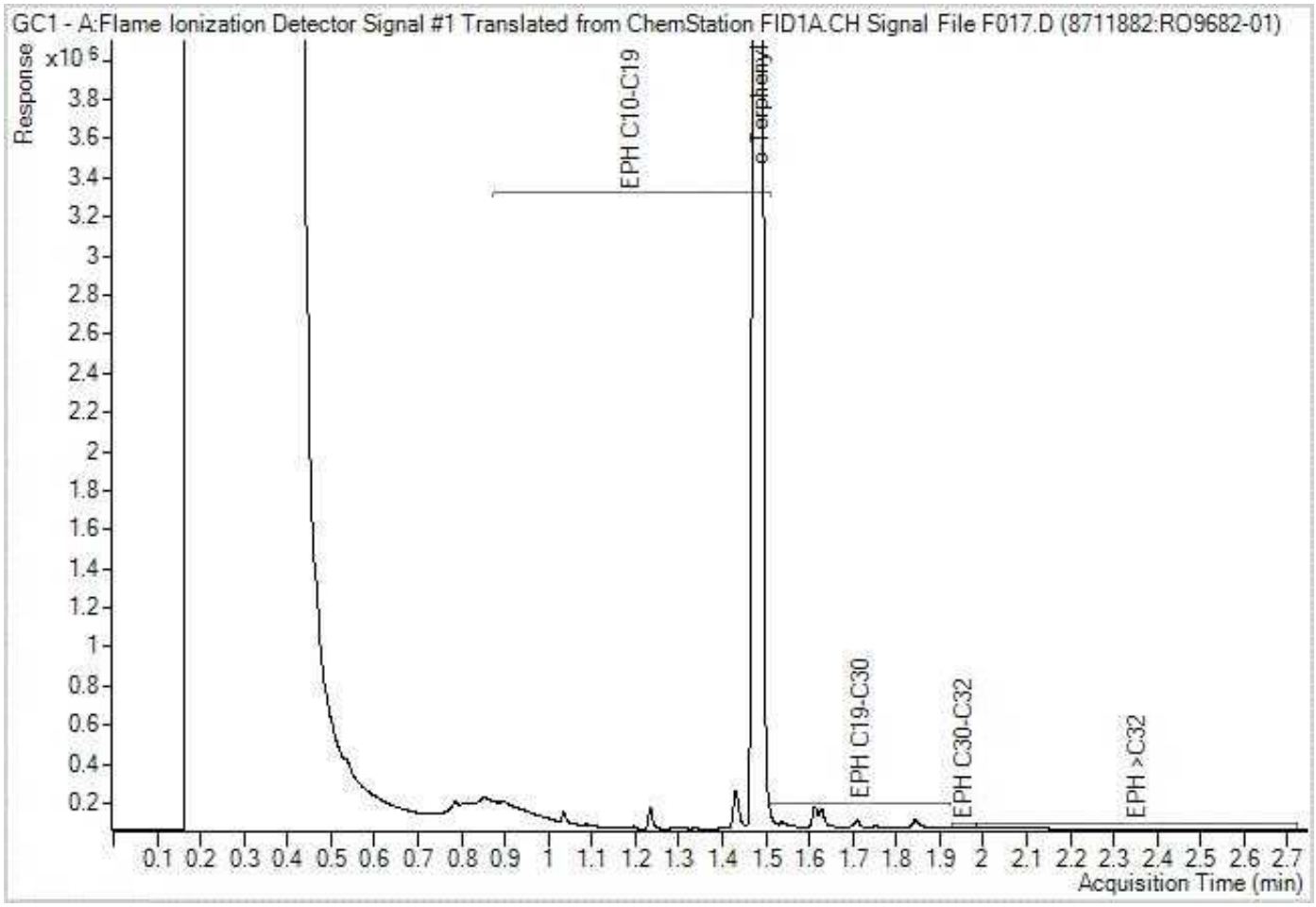


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9682

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050651

EPH in Water when PAH required Chromatogram

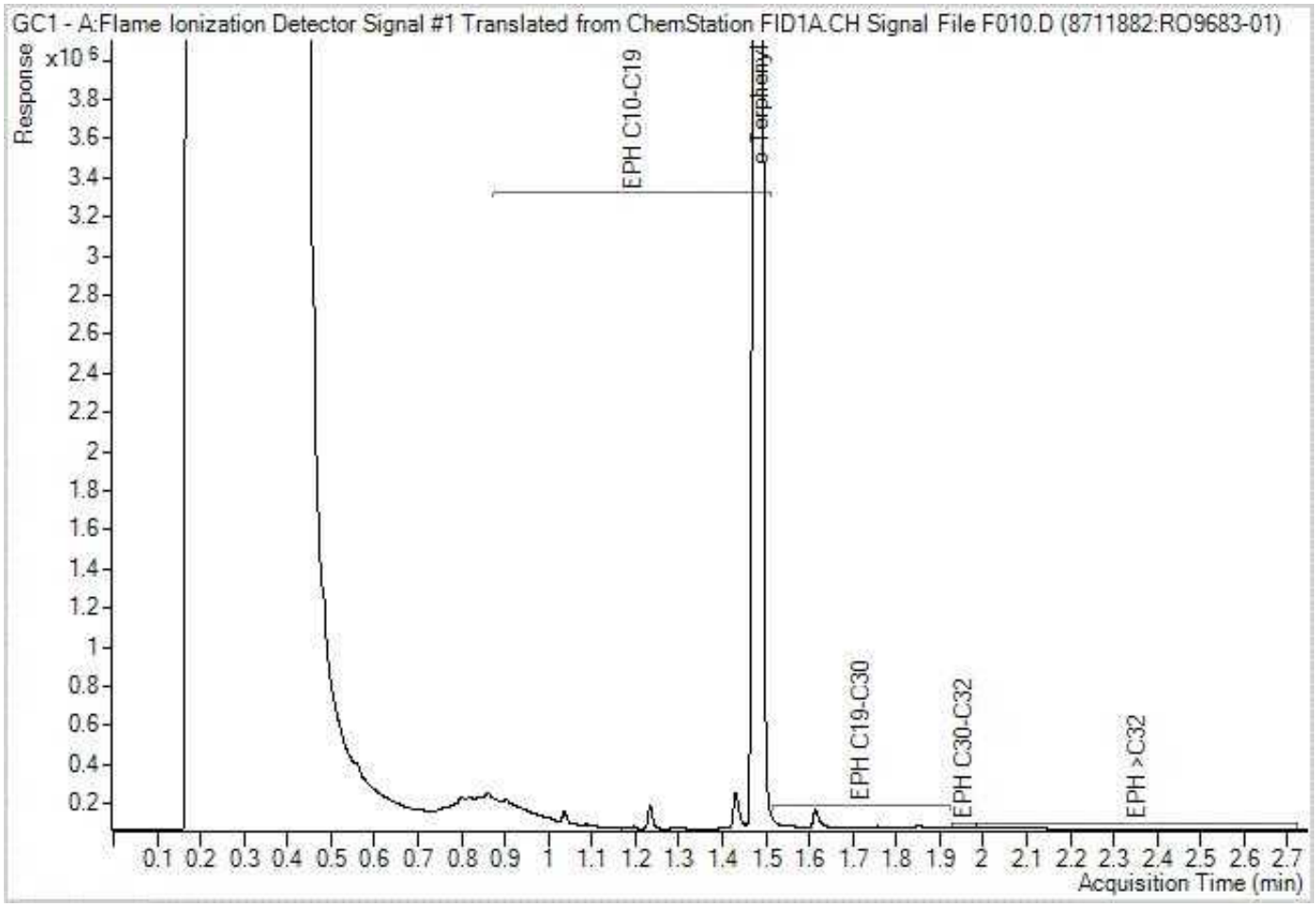


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9683

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050652

EPH in Water when PAH required Chromatogram

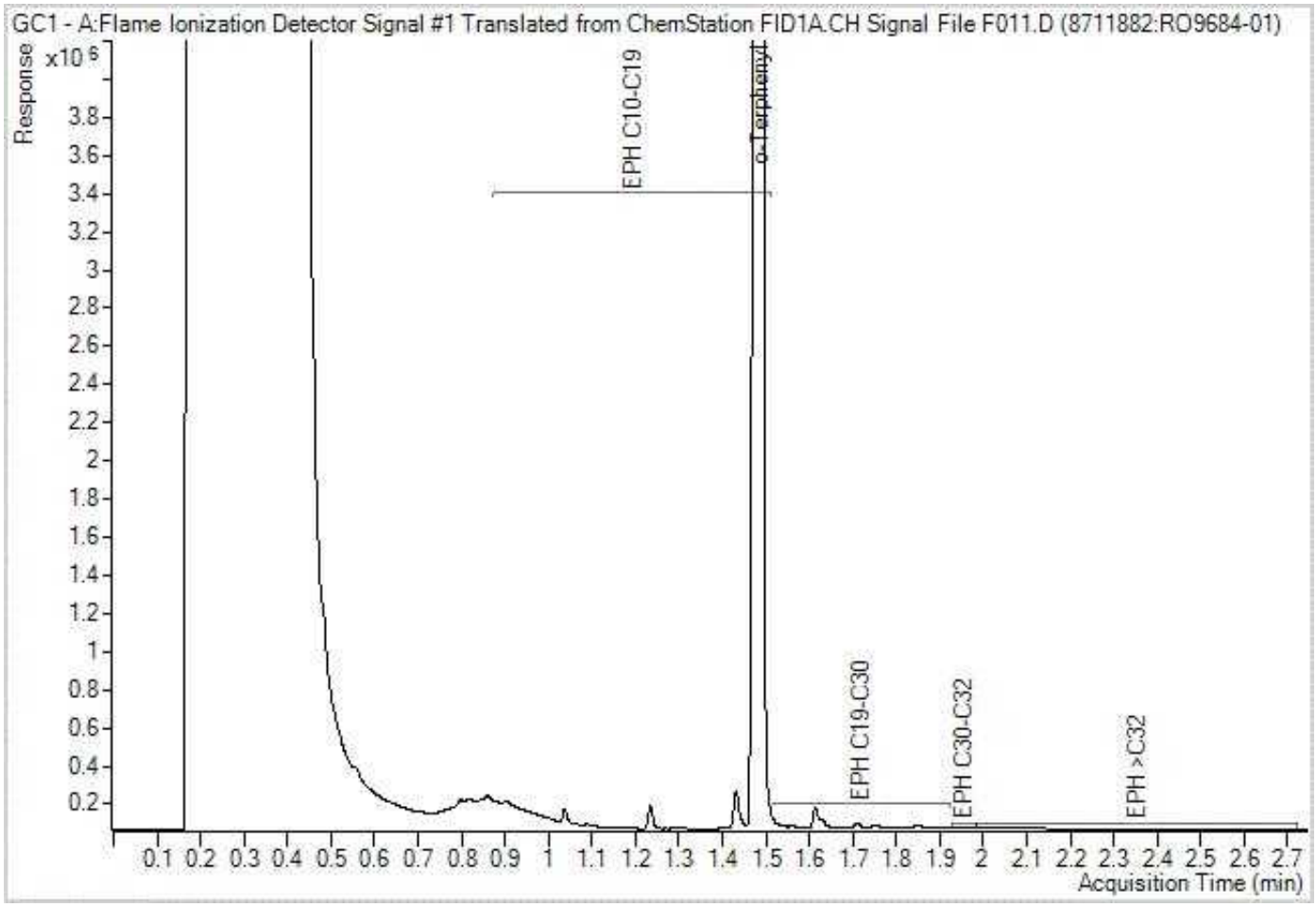


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9684

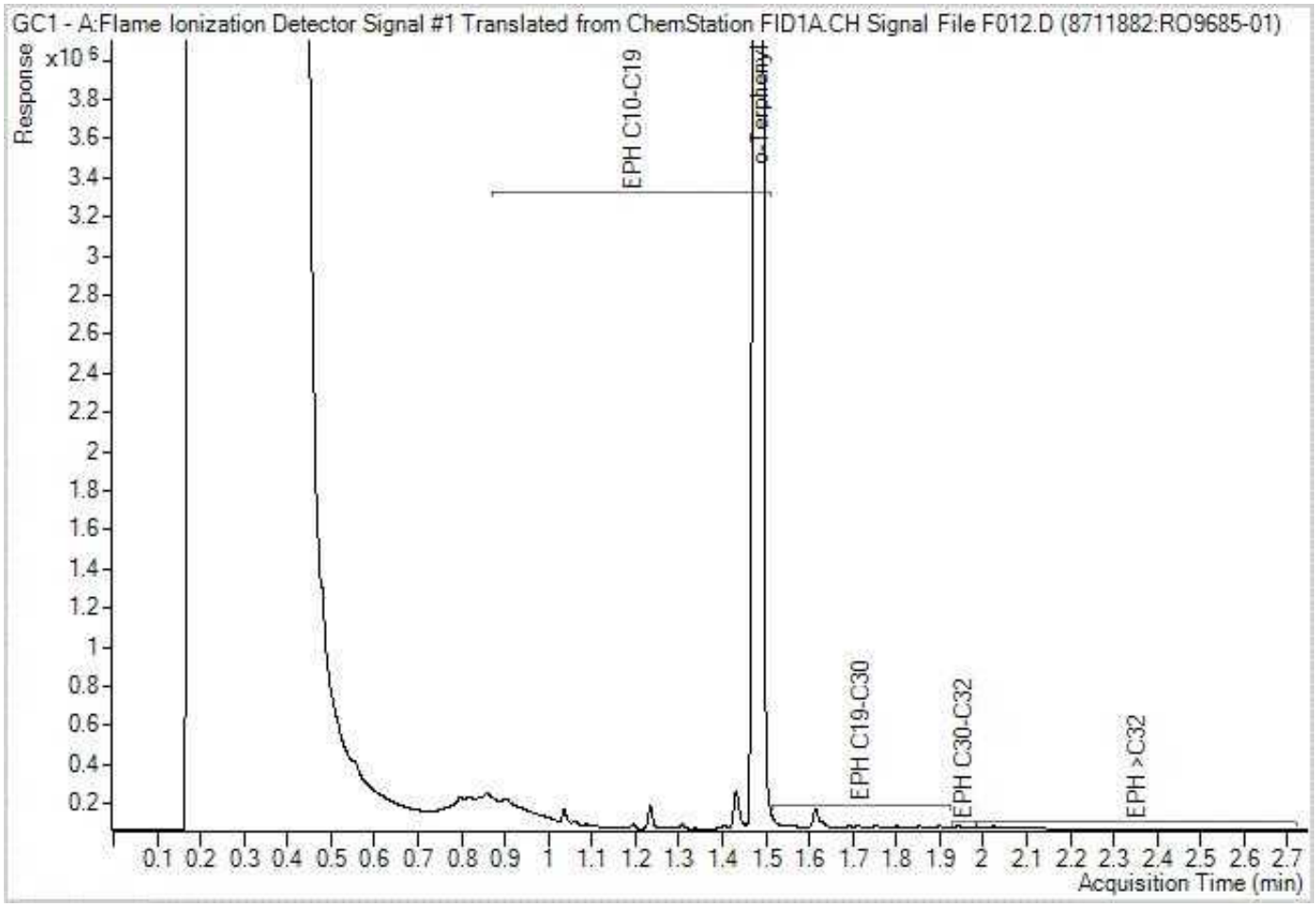
CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050653

EPH in Water when PAH required Chromatogram



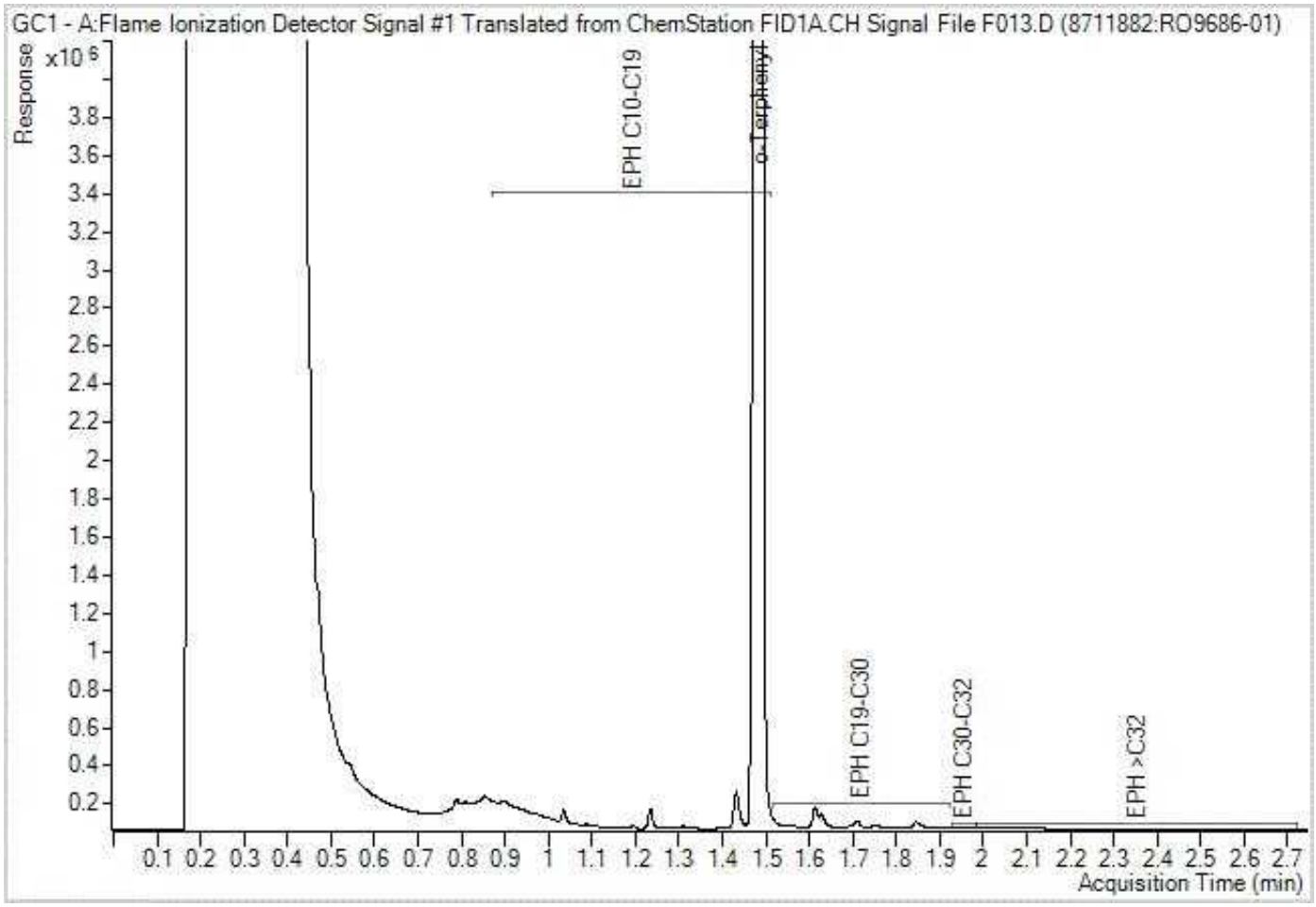
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram

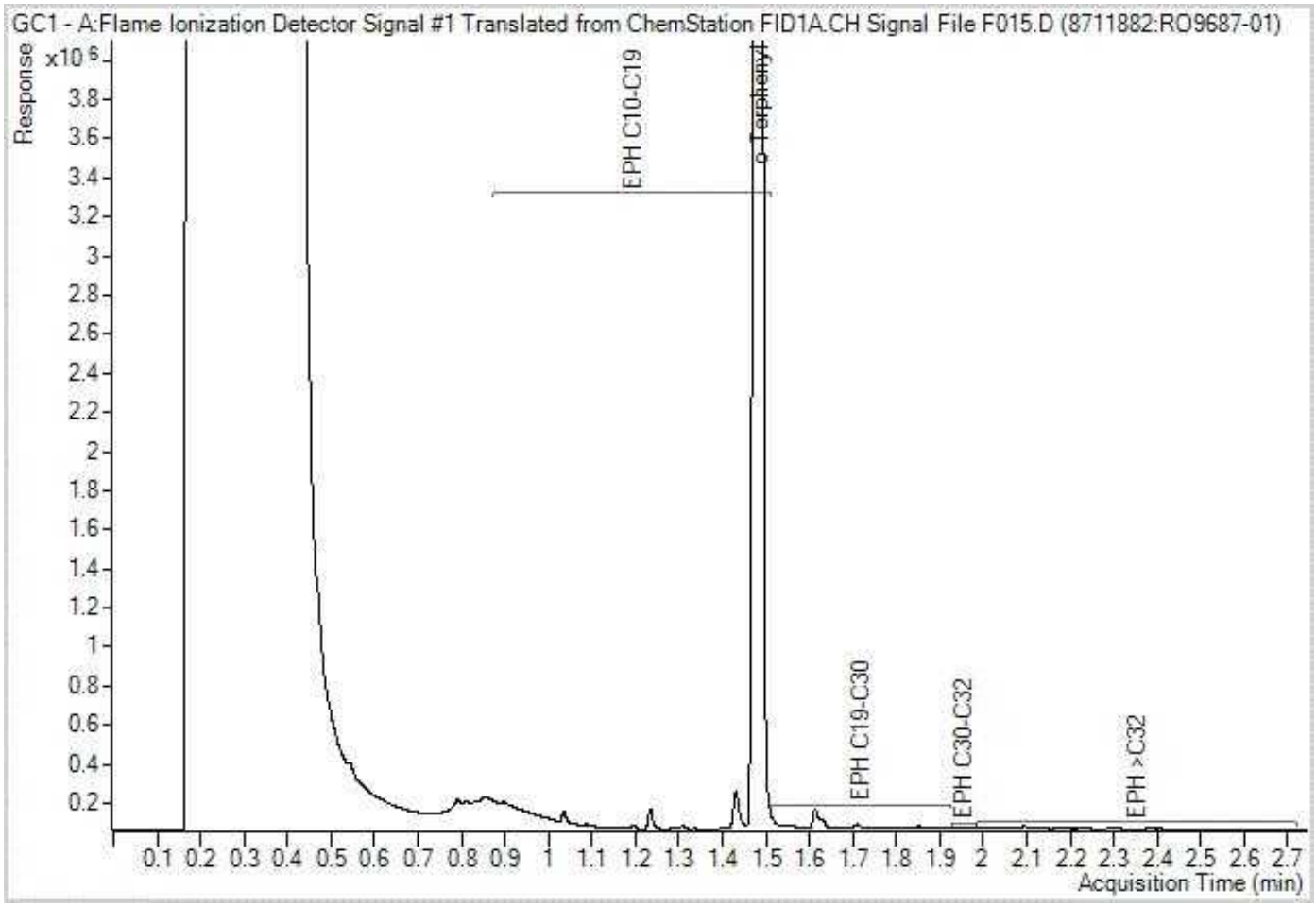


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9687

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050656

EPH in Water when PAH required Chromatogram

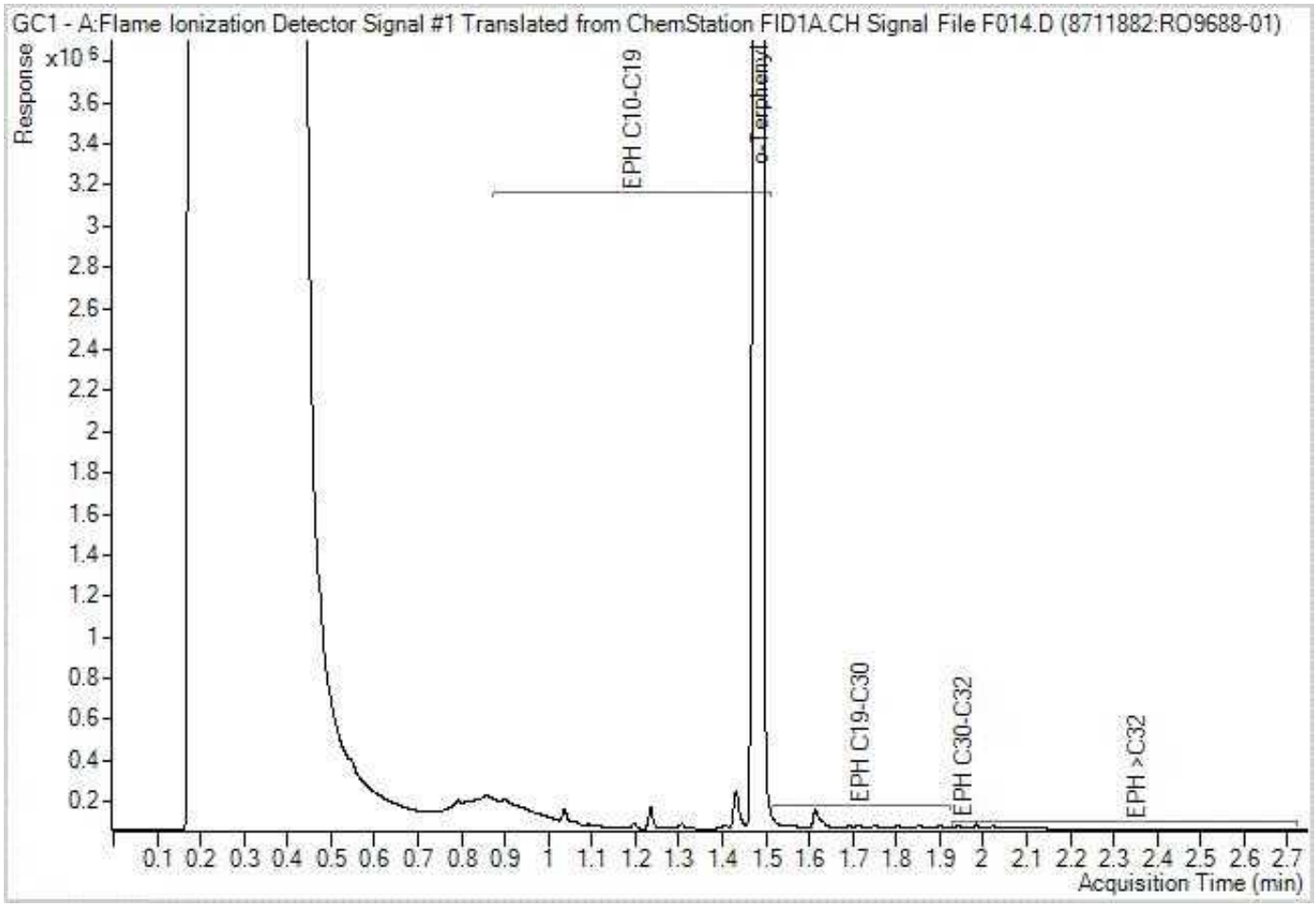


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9688

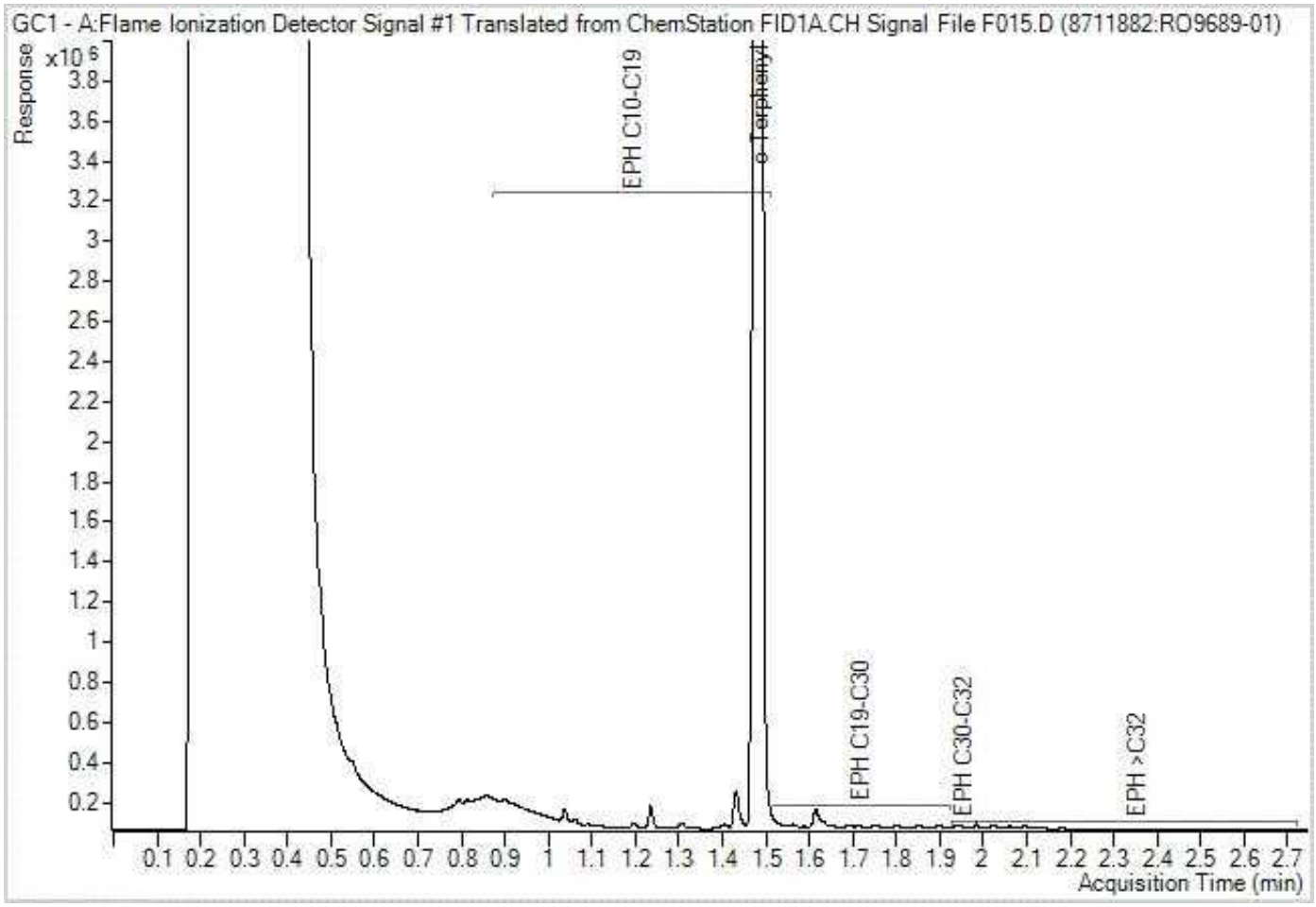
CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050657

EPH in Water when PAH required Chromatogram



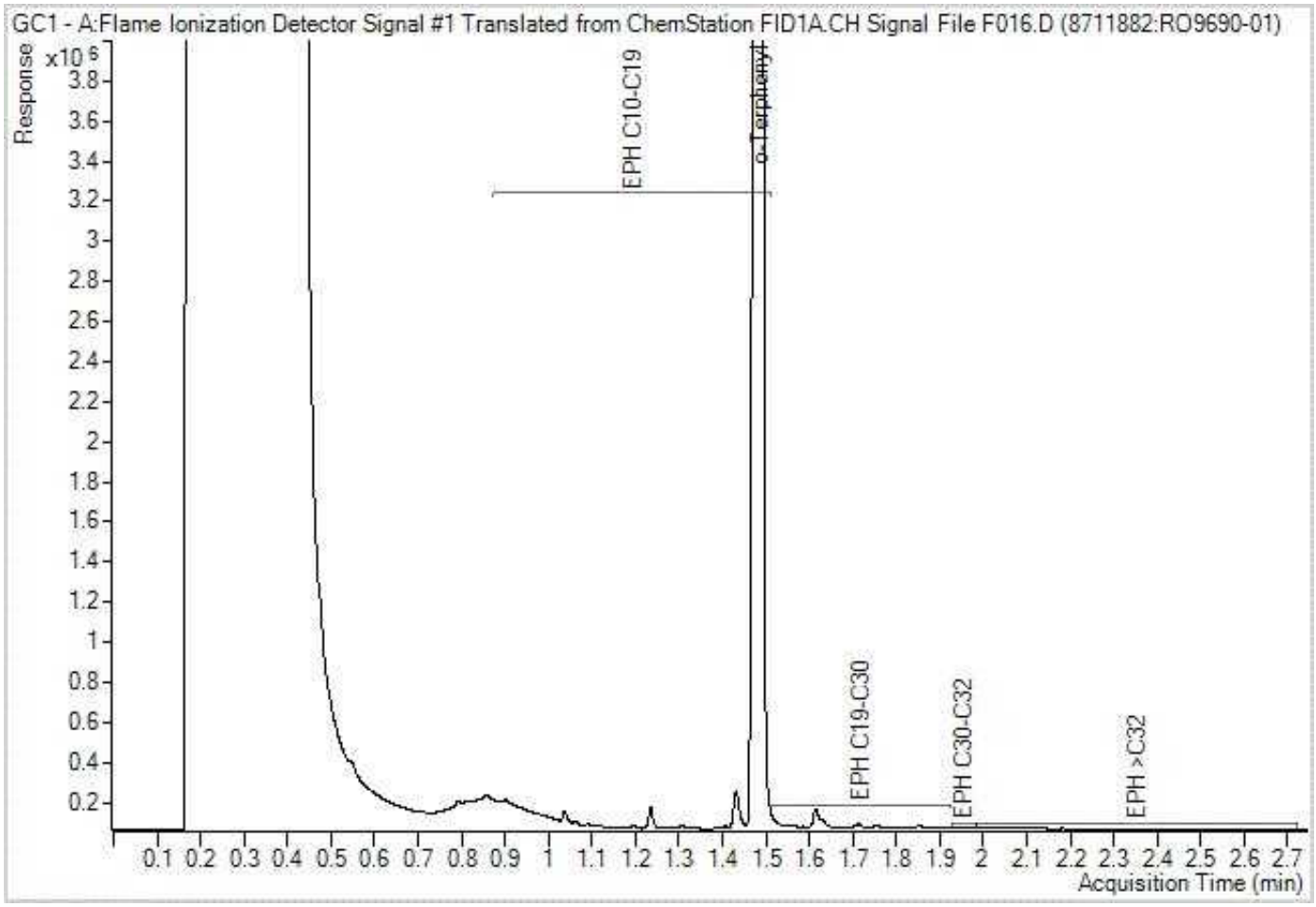
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram



Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram

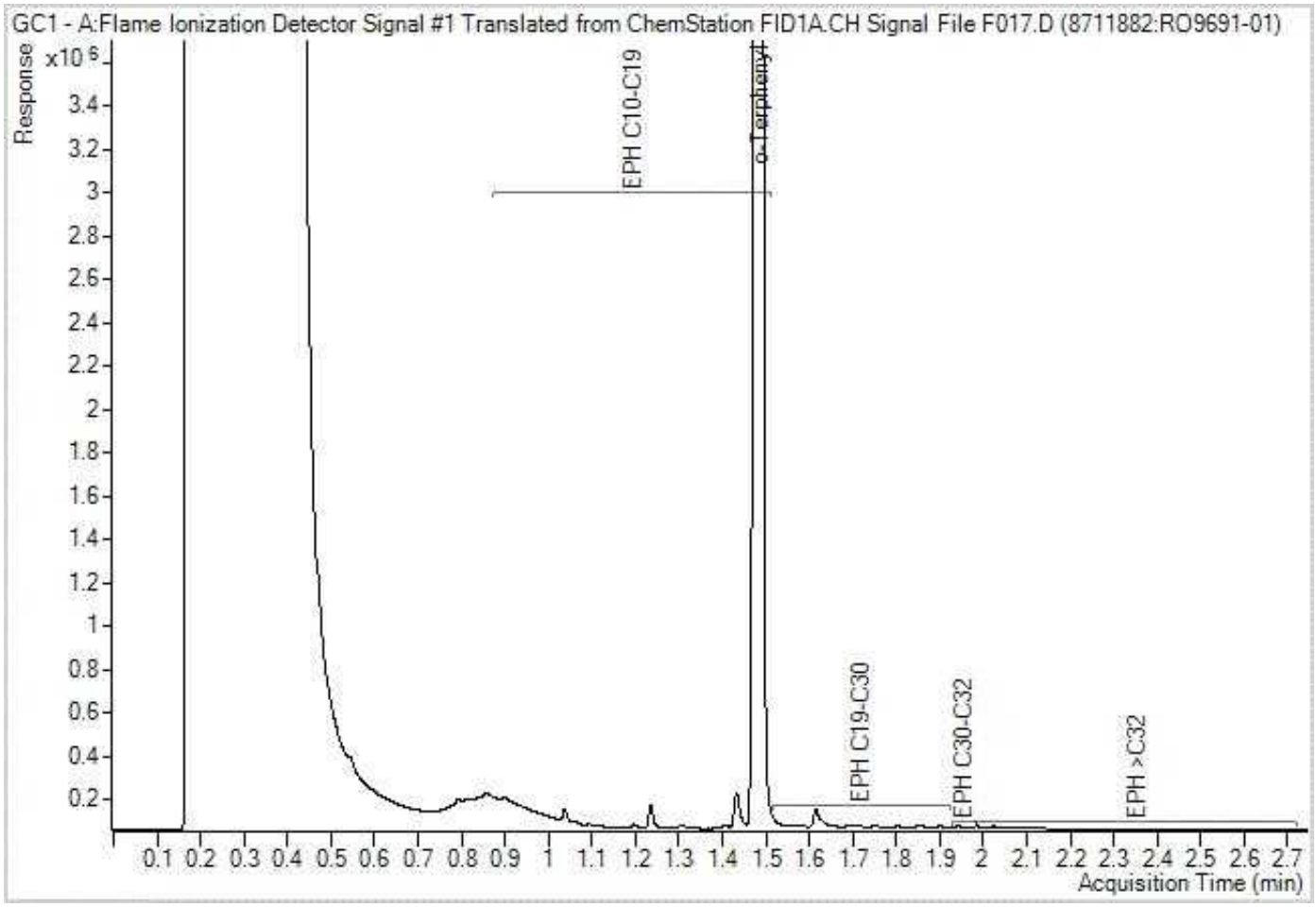


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9691

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050660

EPH in Water when PAH required Chromatogram

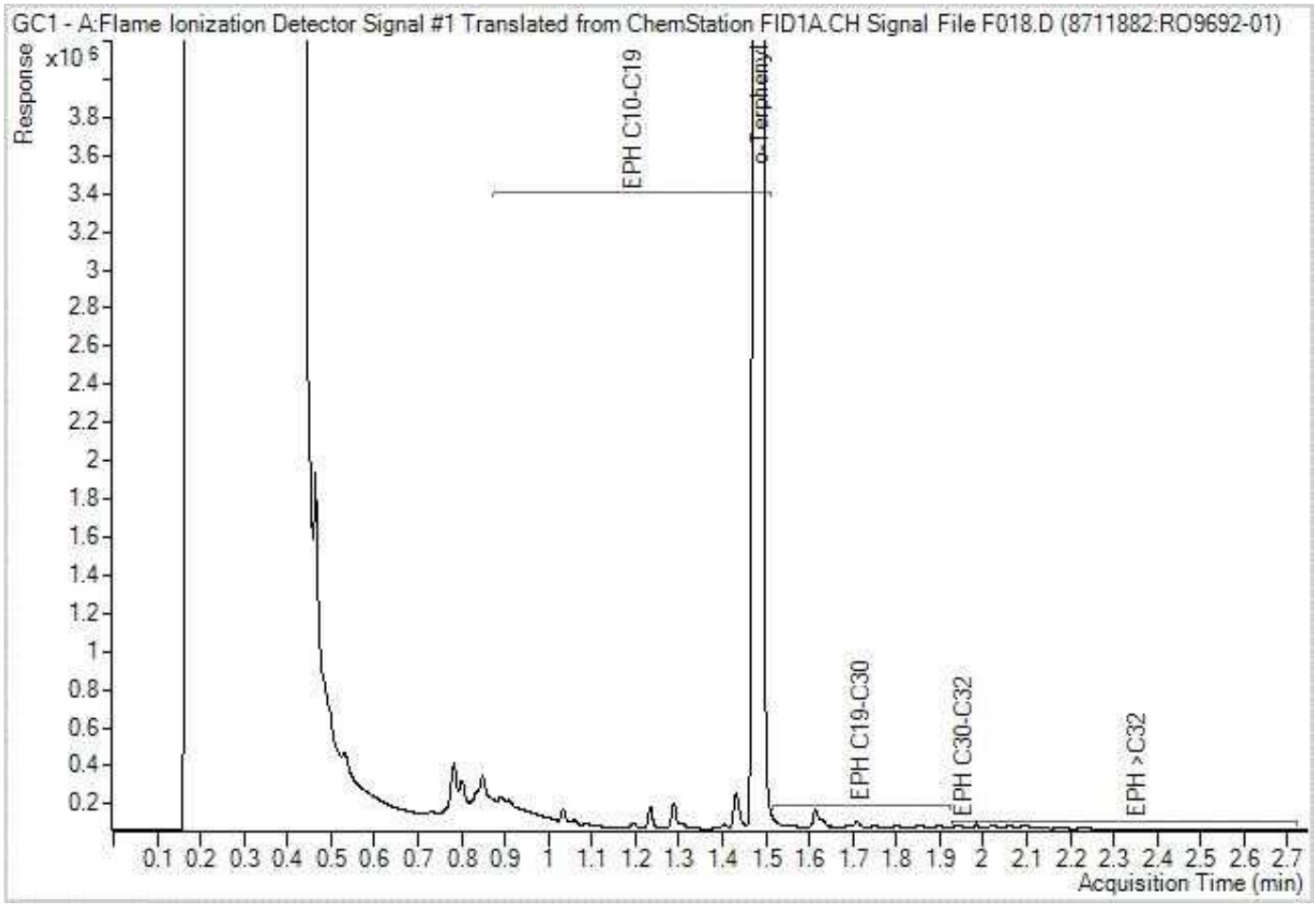


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9692

CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050661

EPH in Water when PAH required Chromatogram

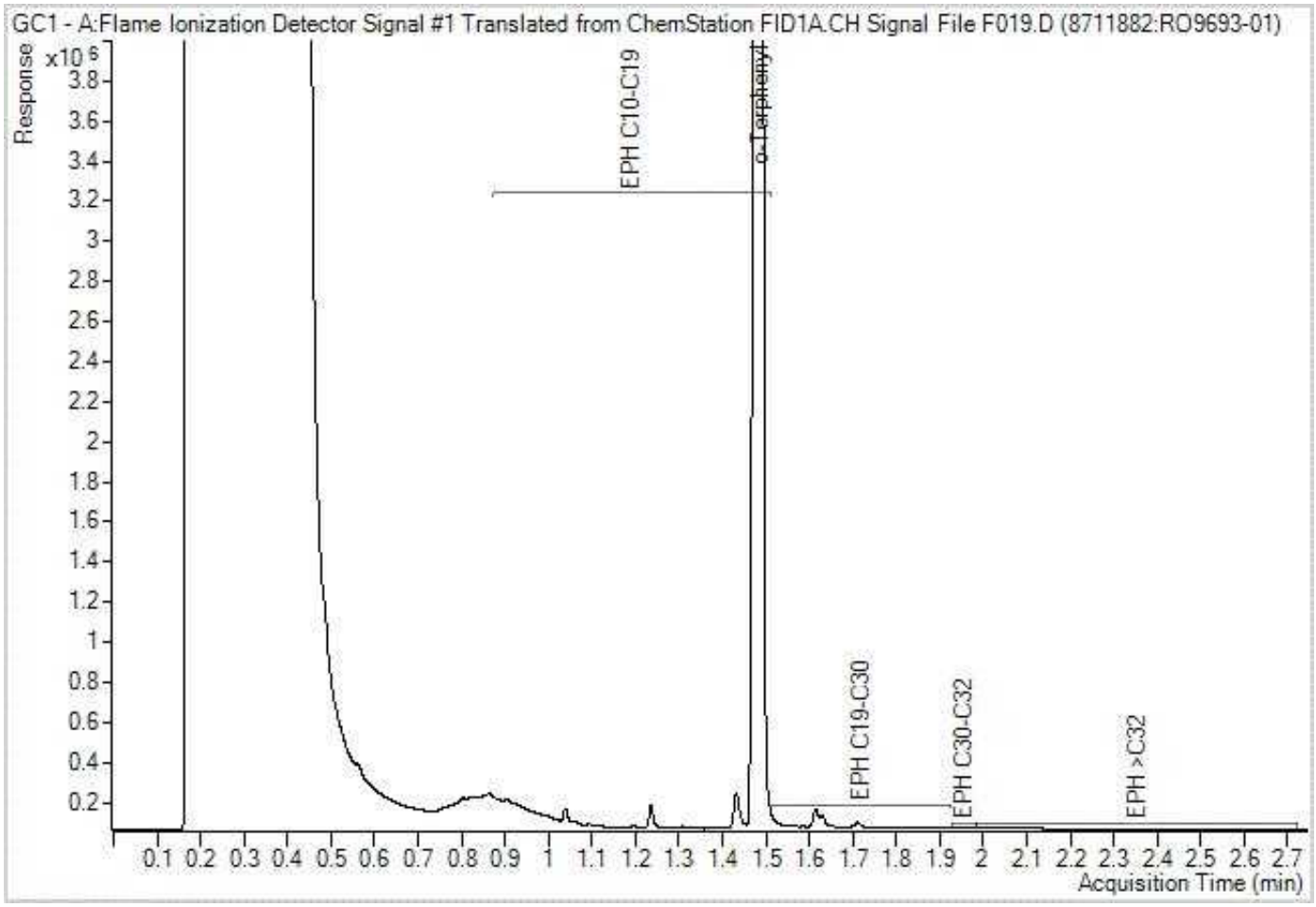


Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

Maxxam Job #: B761682
Report Date: 2017/08/01
Maxxam Sample: RO9693

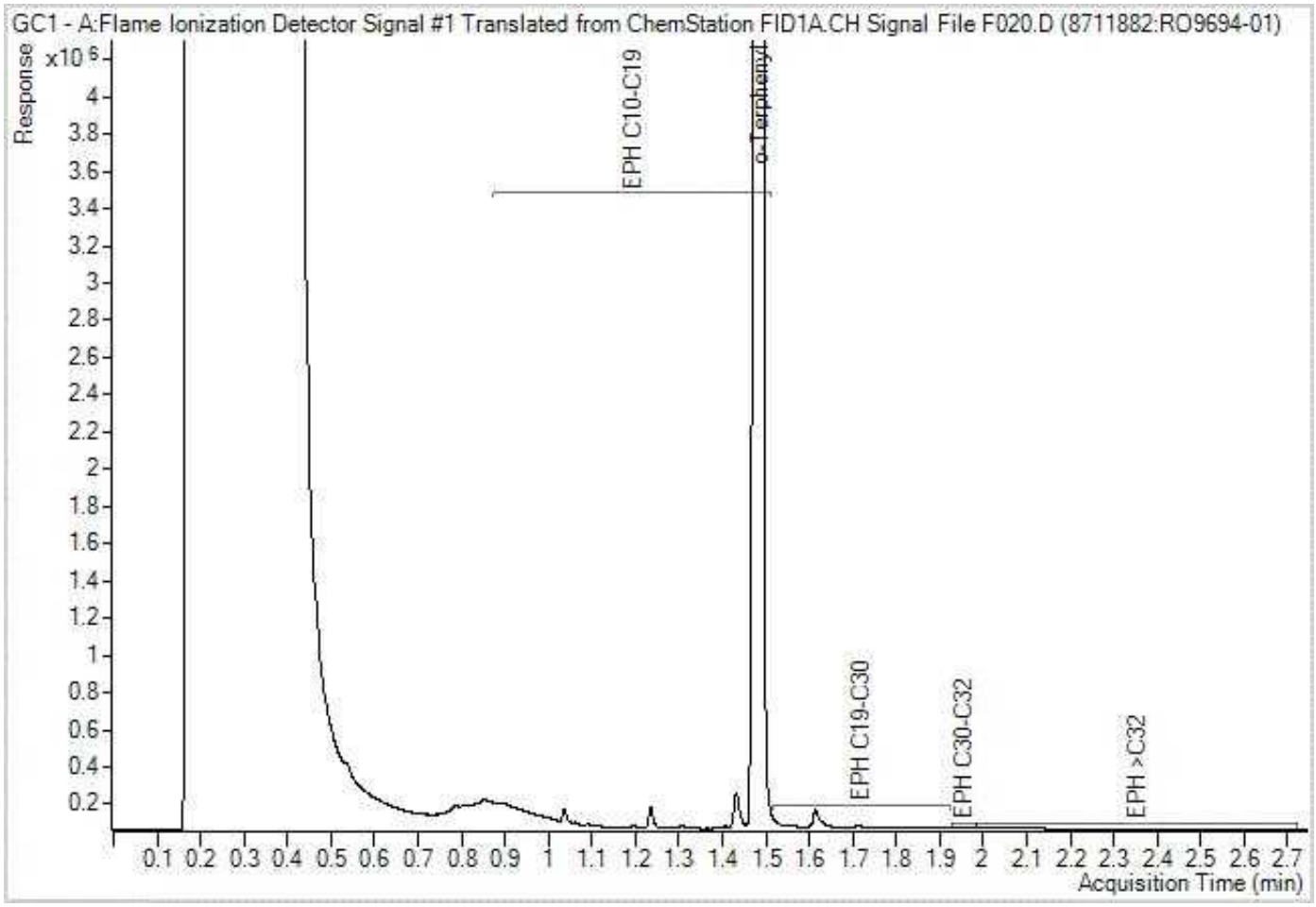
CAPITAL REGIONAL DISTRICT
Client Project #: MILLSTREAM MEADOWS DOMESTIC WE
Client ID: 2017050662

EPH in Water when PAH required Chromatogram



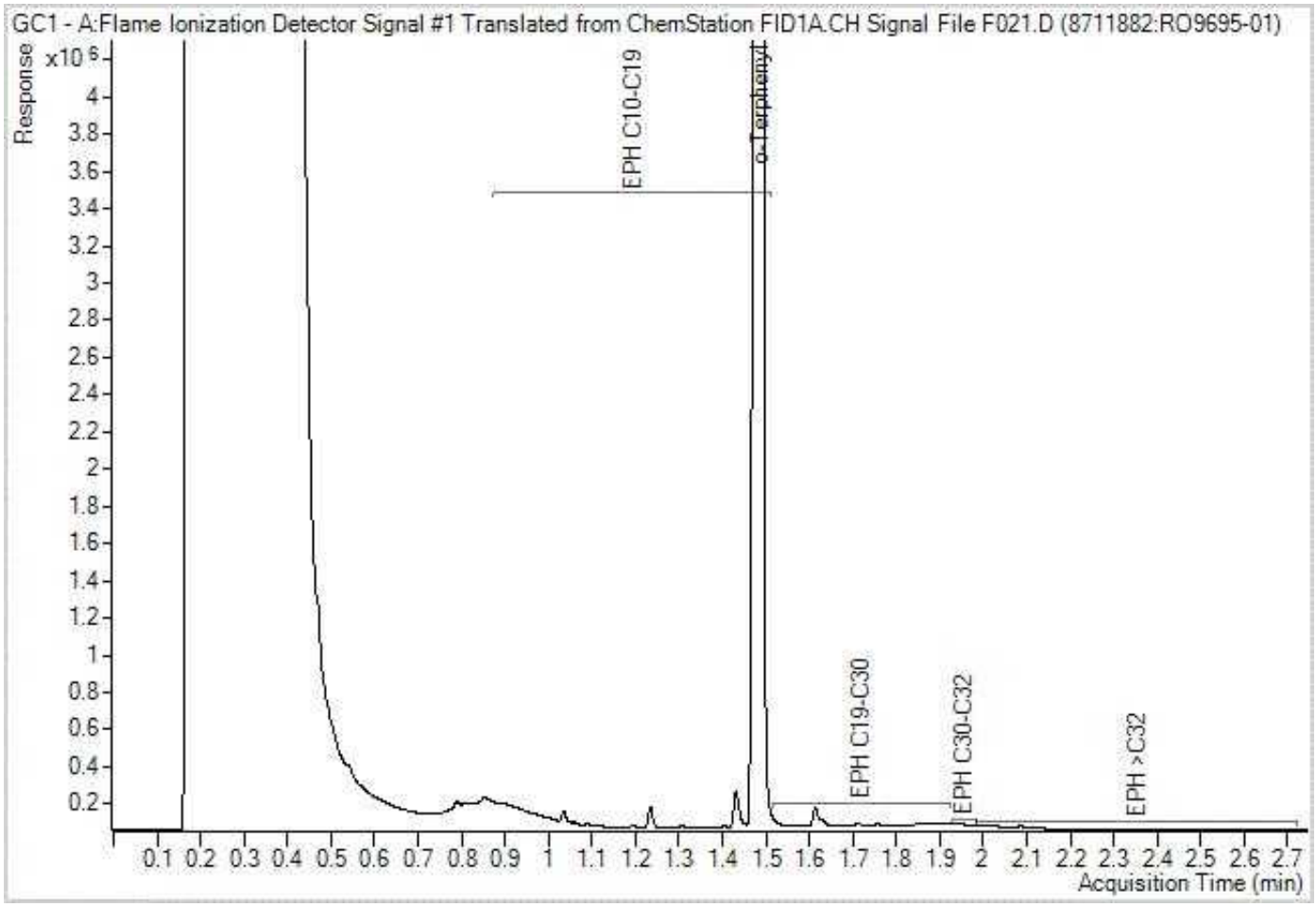
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram



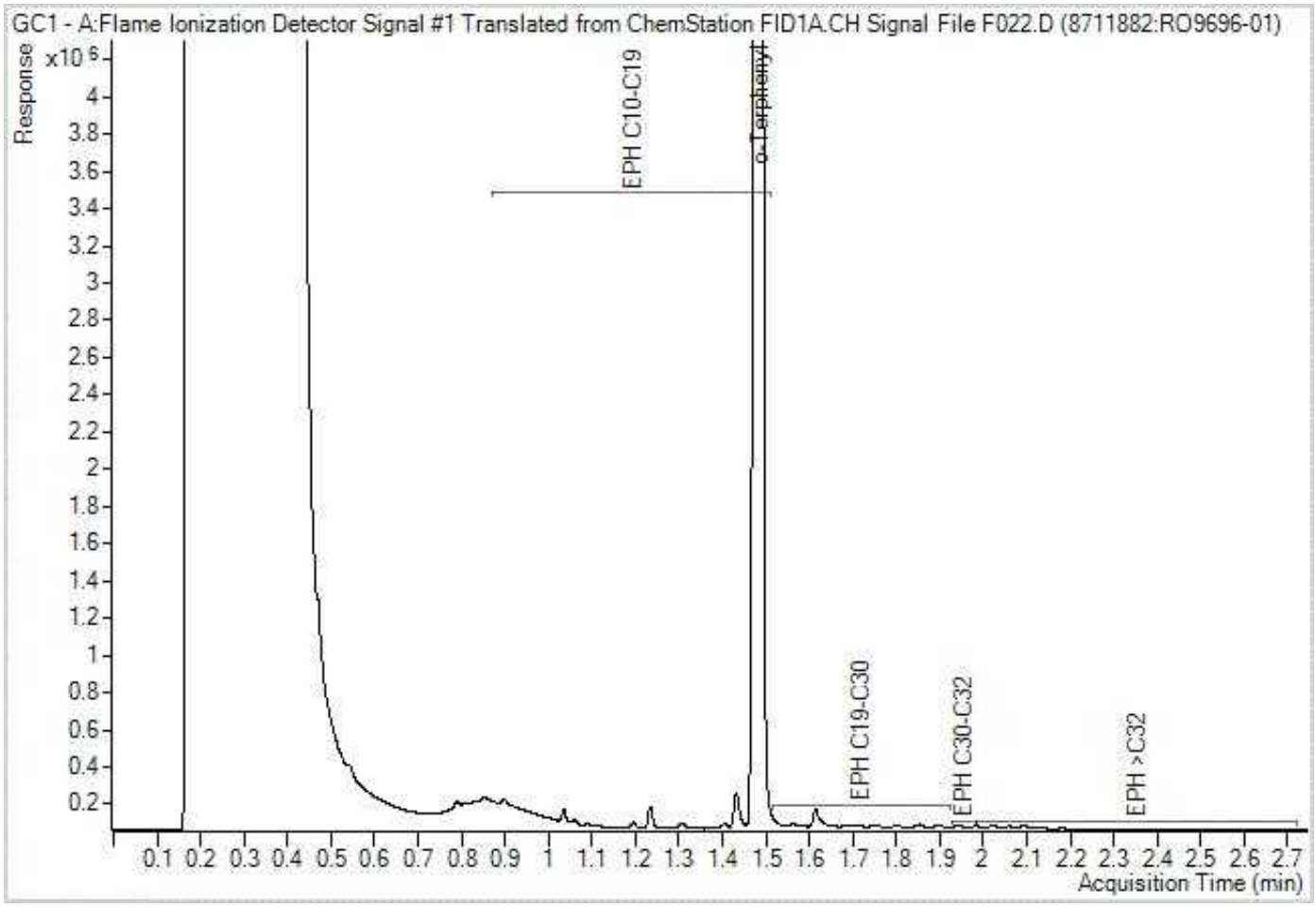
Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

EPH in Water when PAH required Chromatogram



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EPH in Water when PAH required Chromatogram



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