



Your Project #: 107431-02
 Site Location: STORM CAMP
 Your C.O.C. #: C#759652-02-01

Attention: Jess Newman

AUSENCO SUSTAINABILITY ULC
 18th Floor, 4730 Kingsway
 Burnaby, BC
 Canada V5H 0C6

Report Date: 2025/07/23
 Report #: R3688540
 Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C562376

Received: 2025/07/14, 09:15

Sample Matrix: Surface Water
 # Samples Received: 2

Analyses	Quantity	Date	Date	Laboratory Method	Analytical Method
		Extracted	Analyzed		
BTEX/F1 in Water by HS GC/MS/FID (1)	2	N/A	2025/07/17	AB SOP-00039	CCME CWS/EPA 8260d m
F1-BTEX (1)	2	N/A	2025/07/18		Auto Calc
CCME Hydrocarbons (F2-F4 in water) (1, 2)	2	2025/07/18	2025/07/19	AB SOP-00037	CCME PHC-CWS m
Total Trihalomethanes Calculation (1)	2	N/A	2025/07/22		Auto Calc
VOCs in Water by HS GC/MS (Std List) (1)	2	N/A	2025/07/17	AB SOP-00056	EPA 5021a/8260d m

Remarks:

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

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

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

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.

Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

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.

(1) This test was performed by Bureau Veritas Calgary, 4000 - 19 St. , Calgary, AB, T2E 6P8

(2) Silica gel clean up employed.



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Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Danielle Boisvert, Customer Solutions Representative
Email: danielle-andrea.boisvert@bureauveritas.com
Phone# (780)782-5528

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This report has been generated and distributed using a secure automated process.

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BUREAU
VERITAS

Bureau Veritas Job #: C562376
Report Date: 2025/07/23

AUSENCO SUSTAINABILITY ULC
Client Project #: 107431-02
Site Location: STORM CAMP
Sampler Initials: GS

PETROLEUM HYDROCARBONS (CCME)

Bureau Veritas ID		DPA489	DPA490		
Sampling Date		2025/07/11 15:15	2025/07/11 15:30		
COC Number		C#759652-02-01	C#759652-02-01		
	UNITS	25-AR-1-US	25-AR-1-DS	RDL	QC Batch
Ext. Pet. Hydrocarbon					
F2 (C10-C16 Hydrocarbons)	mg/L	<0.10	<0.10	0.10	C020960
F3 (C16-C34 Hydrocarbons)	mg/L	<0.10	<0.10	0.10	C020960
F4 (C34-C50 Hydrocarbons)	mg/L	<0.20	<0.20	0.20	C020960
Surrogate Recovery (%)					
O-TERPHENYL (sur.)	%	96	99		C020960
RDL = Reportable Detection Limit					



BUREAU
VERITAS

Bureau Veritas Job #: C562376
Report Date: 2025/07/23

AUSENCO SUSTAINABILITY ULC
Client Project #: 107431-02
Site Location: STORM CAMP
Sampler Initials: GS

VOLATILE ORGANICS BY GC-MS (SURFACE WATER)

Bureau Veritas ID		DPA489	DPA490		
Sampling Date		2025/07/11 15:15	2025/07/11 15:30		
COC Number		C#759652-02-01	C#759652-02-01		
	UNITS	25-AR-1-US	25-AR-1-DS	RDL	QC Batch
Volatiles					
Total Trihalomethanes	ug/L	<1.3	<1.3	1.3	C019073
Benzene	ug/L	<0.40	<0.40	0.40	C021487
Bromodichloromethane	ug/L	<0.50	<0.50	0.50	C021489
Toluene	ug/L	<0.40	<0.40	0.40	C021487
Bromoform	ug/L	<0.50	<0.50	0.50	C021489
Ethylbenzene	ug/L	<0.40	<0.40	0.40	C021487
Bromomethane	ug/L	<2.0	<2.0	2.0	C021489
m & p-Xylene	ug/L	<0.80	<0.80	0.80	C021487
Carbon tetrachloride	ug/L	<0.50	<0.50	0.50	C021489
o-Xylene	ug/L	<0.40	<0.40	0.40	C021487
Chlorobenzene	ug/L	<0.50	<0.50	0.50	C021489
Dibromochloromethane	ug/L	<1.0	<1.0	1.0	C021489
Xylenes (Total)	ug/L	<0.89	<0.89	0.89	C019496
Chloroethane	ug/L	<1.0	<1.0	1.0	C021489
F1 (C6-C10) - BTEX	ug/L	<100	<100	100	C019496
Chloroform	ug/L	<0.50	<0.50	0.50	C021489
Chloromethane	ug/L	<2.0	<2.0	2.0	C021489
F1 (C6-C10)	ug/L	<100	<100	100	C021487
1,2-dibromoethane	ug/L	<0.20	<0.20	0.20	C021489
1,2-dichlorobenzene	ug/L	<0.50	<0.50	0.50	C021489
1,3-dichlorobenzene	ug/L	<0.50	<0.50	0.50	C021489
1,4-dichlorobenzene	ug/L	<0.50	<0.50	0.50	C021489
1,1-dichloroethane	ug/L	<0.50	<0.50	0.50	C021489
1,2-dichloroethane	ug/L	<0.50	<0.50	0.50	C021489
1,1-dichloroethene	ug/L	<0.50	<0.50	0.50	C021489
cis-1,2-dichloroethene	ug/L	<0.50	<0.50	0.50	C021489
trans-1,2-dichloroethene	ug/L	<0.50	<0.50	0.50	C021489
Dichloromethane	ug/L	<2.0	<2.0	2.0	C021489
1,2-dichloropropane	ug/L	<0.50	<0.50	0.50	C021489
cis-1,3-dichloropropene	ug/L	<0.50	<0.50	0.50	C021489
trans-1,3-dichloropropene	ug/L	<0.50	<0.50	0.50	C021489
RDL = Reportable Detection Limit					



VOLATILE ORGANICS BY GC-MS (SURFACE WATER)

Bureau Veritas ID		DPA489	DPA490		
Sampling Date		2025/07/11 15:15	2025/07/11 15:30		
COC Number		C#759652-02-01	C#759652-02-01		
	UNITS	25-AR-1-US	25-AR-1-DS	RDL	QC Batch
Methyl methacrylate	ug/L	<0.50	<0.50	0.50	C021489
Methyl-tert-butylether (MTBE)	ug/L	<0.50	<0.50	0.50	C021489
Styrene	ug/L	<0.50	<0.50	0.50	C021489
1,1,1,2-tetrachloroethane	ug/L	<1.0	<1.0	1.0	C021489
1,1,2,2-tetrachloroethane	ug/L	<2.0	<2.0	2.0	C021489
Tetrachloroethene	ug/L	<0.50	<0.50	0.50	C021489
1,2,3-trichlorobenzene	ug/L	<1.0	<1.0	1.0	C021489
1,2,4-trichlorobenzene	ug/L	<1.0	<1.0	1.0	C021489
1,3,5-trichlorobenzene	ug/L	<0.50	<0.50	0.50	C021489
1,1,1-trichloroethane	ug/L	<0.50	<0.50	0.50	C021489
1,1,2-trichloroethane	ug/L	<0.50	<0.50	0.50	C021489
Trichloroethene	ug/L	<0.20	<0.20	0.20	C021489
Trichlorofluoromethane	ug/L	<0.50	<0.50	0.50	C021489
1,2,4-trimethylbenzene	ug/L	<0.50	<0.50	0.50	C021489
1,3,5-trimethylbenzene	ug/L	<0.50	<0.50	0.50	C021489
Vinyl chloride	ug/L	<0.50	<0.50	0.50	C021489
Surrogate Recovery (%)					
1,4-Difluorobenzene (sur.)	%	108	107		C021487
4-Bromofluorobenzene (sur.)	%	90	91		C021487
D4-1,2-Dichloroethane (sur.)	%	109	107		C021487
1,4-Difluorobenzene (sur.)	%	100	100		C021489
4-Bromofluorobenzene (sur.)	%	105	104		C021489
D4-1,2-Dichloroethane (sur.)	%	107	107		C021489
RDL = Reportable Detection Limit					



BUREAU
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Bureau Veritas Job #: C562376
Report Date: 2025/07/23

AUSENCO SUSTAINABILITY ULC
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Site Location: STORM CAMP
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GENERAL COMMENTS

Results relate only to the items tested.



BUREAU
VERITAS

Bureau Veritas Job #: C562376

Report Date: 2025/07/23

QUALITY ASSURANCE REPORT

AUSENCO SUSTAINABILITY ULC

Client Project #: 107431-02

Site Location: STORM CAMP

Sampler Initials: GS

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
C020960	O-TERPHENYL (sur.)	2025/07/18	101	60 - 140	102	60 - 140	98	%		
C021487	1,4-Difluorobenzene (sur.)	2025/07/17	98	50 - 140	99	50 - 140	107	%		
C021487	4-Bromofluorobenzene (sur.)	2025/07/17	99	50 - 140	97	50 - 140	89	%		
C021487	D4-1,2-Dichloroethane (sur.)	2025/07/17	97	50 - 140	95	50 - 140	109	%		
C021489	1,4-Difluorobenzene (sur.)	2025/07/17	99	50 - 140	99	50 - 140	100	%		
C021489	4-Bromofluorobenzene (sur.)	2025/07/17	104	50 - 140	102	50 - 140	106	%		
C021489	D4-1,2-Dichloroethane (sur.)	2025/07/17	109	50 - 140	108	50 - 140	108	%		
C020960	F2 (C10-C16 Hydrocarbons)	2025/07/18	94	60 - 140	94	60 - 140	<0.10	mg/L	NC	30
C020960	F3 (C16-C34 Hydrocarbons)	2025/07/18	103	60 - 140	101	60 - 140	<0.10	mg/L	NC	30
C020960	F4 (C34-C50 Hydrocarbons)	2025/07/18	92	60 - 140	91	60 - 140	<0.20	mg/L	NC	30
C021487	Benzene	2025/07/18	71	50 - 140	80	60 - 130	<0.40	ug/L	NC	30
C021487	Ethylbenzene	2025/07/18	81	50 - 140	93	60 - 130	<0.40	ug/L	NC	30
C021487	F1 (C6-C10)	2025/07/18	111	60 - 140	111	60 - 140	<100	ug/L	NC	30
C021487	m & p-Xylene	2025/07/18	83	50 - 140	94	60 - 130	<0.80	ug/L	NC	30
C021487	o-Xylene	2025/07/18	81	50 - 140	96	60 - 130	<0.40	ug/L	NC	30
C021487	Toluene	2025/07/18	77	50 - 140	88	60 - 130	<0.40	ug/L	NC	30
C021489	1,1,1,2-tetrachloroethane	2025/07/17	91	50 - 140	91	60 - 130	<1.0	ug/L	NC	30
C021489	1,1,1-trichloroethane	2025/07/17	101	50 - 140	101	60 - 130	<0.50	ug/L	NC	30
C021489	1,1,2,2-tetrachloroethane	2025/07/17	96	50 - 140	96	60 - 130	<2.0	ug/L	NC	30
C021489	1,1,2-trichloroethane	2025/07/17	101	50 - 140	101	60 - 130	<0.50	ug/L	NC	30
C021489	1,1-dichloroethane	2025/07/17	102	50 - 140	102	60 - 130	<0.50	ug/L	NC	30
C021489	1,1-dichloroethene	2025/07/17	101	50 - 140	101	60 - 130	<0.50	ug/L	NC	30
C021489	1,2,3-trichlorobenzene	2025/07/17	100	50 - 140	103	60 - 130	<1.0	ug/L	NC	30
C021489	1,2,4-trichlorobenzene	2025/07/17	100	50 - 140	103	60 - 130	<1.0	ug/L	NC	30
C021489	1,2,4-trimethylbenzene	2025/07/17	108	50 - 140	109	60 - 130	<0.50	ug/L	NC	30
C021489	1,2-dibromoethane	2025/07/17	98	50 - 140	97	60 - 130	<0.20	ug/L	NC	30
C021489	1,2-dichlorobenzene	2025/07/17	99	50 - 140	100	60 - 130	<0.50	ug/L	NC	30
C021489	1,2-dichloroethane	2025/07/17	108	50 - 140	107	60 - 130	<0.50	ug/L	NC	30
C021489	1,2-dichloropropane	2025/07/17	103	50 - 140	103	60 - 130	<0.50	ug/L	NC	30
C021489	1,3,5-trichlorobenzene	2025/07/17	104	50 - 140	109	60 - 130	<0.50	ug/L	NC	30
C021489	1,3,5-trimethylbenzene	2025/07/17	107	50 - 140	107	60 - 130	<0.50	ug/L	NC	30
C021489	1,3-dichlorobenzene	2025/07/17	102	50 - 140	102	60 - 130	<0.50	ug/L	NC	30



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VERITAS

Bureau Veritas Job #: C562376

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QUALITY ASSURANCE REPORT(CONT'D)

AUSENCO SUSTAINABILITY ULC

Client Project #: 107431-02

Site Location: STORM CAMP

Sampler Initials: GS

QC Batch	Parameter	Date	Matrix Spike		Spiked Blank		Method Blank		RPD	
			% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
C021489	1,4-dichlorobenzene	2025/07/17	99	50 - 140	99	60 - 130	<0.50	ug/L	NC	30
C021489	Bromodichloromethane	2025/07/17	103	50 - 140	103	60 - 130	<0.50	ug/L	NC	30
C021489	Bromoform	2025/07/17	94	50 - 140	94	60 - 130	<0.50	ug/L	NC	30
C021489	Bromomethane	2025/07/17	96	50 - 140	91	60 - 130	<2.0	ug/L	NC	30
C021489	Carbon tetrachloride	2025/07/17	101	50 - 140	102	60 - 130	<0.50	ug/L	NC	30
C021489	Chlorobenzene	2025/07/17	92	50 - 140	93	60 - 130	<0.50	ug/L	NC	30
C021489	Chloroethane	2025/07/17	102	50 - 140	102	60 - 130	<1.0	ug/L	NC	30
C021489	Chloroform	2025/07/17	102	50 - 140	102	60 - 130	<0.50	ug/L	NC	30
C021489	Chloromethane	2025/07/17	108	50 - 140	107	60 - 130	<2.0	ug/L	NC	30
C021489	cis-1,2-dichloroethene	2025/07/17	102	50 - 140	102	60 - 130	<0.50	ug/L	NC	30
C021489	cis-1,3-dichloropropene	2025/07/17	98	50 - 140	92	60 - 130	<0.50	ug/L	NC	30
C021489	Dibromochloromethane	2025/07/17	94	50 - 140	94	60 - 130	<1.0	ug/L	NC	30
C021489	Dichloromethane	2025/07/17	92	50 - 140	92	60 - 130	<2.0	ug/L	NC	30
C021489	Methyl methacrylate	2025/07/17	110	50 - 140	108	60 - 130	<0.50	ug/L	NC	30
C021489	Methyl-tert-butylether (MTBE)	2025/07/17	103	50 - 140	103	60 - 130	<0.50	ug/L	NC	30
C021489	Styrene	2025/07/17	101	50 - 140	101	60 - 130	<0.50	ug/L	NC	30
C021489	Tetrachloroethene	2025/07/17	90	50 - 140	91	60 - 130	<0.50	ug/L	NC	30
C021489	trans-1,2-dichloroethene	2025/07/17	101	50 - 140	101	60 - 130	<0.50	ug/L	NC	30
C021489	trans-1,3-dichloropropene	2025/07/17	113	50 - 140	93	60 - 130	<0.50	ug/L	NC	30
C021489	Trichloroethene	2025/07/17	98	50 - 140	99	60 - 130	<0.20	ug/L	NC	30
C021489	Trichlorofluoromethane	2025/07/17	100	50 - 140	101	60 - 130	<0.50	ug/L	NC	30
C021489	Vinyl chloride	2025/07/17	98	50 - 140	96	60 - 130	<0.50	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).



BUREAU
VERITAS

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AUSENCO SUSTAINABILITY ULC
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Sampler Initials: GS

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Jared Wiseman, B.Sc., P.Chem., QP, Senior Analyst, Organics

Veronica Falk, B.Sc., P.Chem., QP, Scientific Specialist, Organics

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C562376
2025/07/14 09:15



Bureau Veritas
4000 19st N.E. Calgary, Alberta Canada T2E 6P8 Tel:(403) 291-3077 Toll-free:800-563-6266 Fax:(403) 291-9468 www.bvna.com

Chain Of Custody Record

INVOICE TO:		Report Information		Project Information		Laboratory Use Only	
Company Name	#11532 AUSENCO SUSTAINABILITY ULC	Company Name	AusenCO	Quotation #	C41504	Bureau Veritas Job #	Bottle Order #:
Contact Name	Accounts Payable	Contact Name	Jess Newman	P.O. #			
Address	18th Floor, 4730 Kingsway Burnaby BC V5H 0C6	Address		Project #	107431-02	Chain Of Custody Record	Project Manager
Phone	(604) 669-0424 Ext: 224 Fax: (604) 669-0430	Phone		Project Name	Storm Camp		Danielle Boisvert
Email	procure2pay.na@ausenco.com	Email	jess.newman@ausenco.com	Site #	GS/ST	C#759652-01-01	

Regulatory Criteria	Special Instructions	Analysis Requested	Turnaround Time (TAT) Required
			Please provide advance notice for rush projects
			Regular (Standard) TAT (will be applied if Rush TAT is not specified) Standard TAT = 5-7 Working days for most tests. Please note: Standard TAT for certain tests such as BOD and Dioxins/Furans are > 5 days - contact your Project Manager for details.
			Job Specific Rush TAT (if applies to entire submission) Date Required: _____ Time Required: _____
			Rush Confirmation Number _____ (call lab for #)

Sample Barcode Label	Sample (Location) Identification	Date Sampled	Time Sampled	Matrix	Regulated Drinking Water? (Y/N)	Metals Field Filtered? (Y/N)	ATT, BTEX and F1-F4 in Water	VOCs in Water by HS GC/MS (Std List)									# of Bottles	Comments
1	25-AR-1-US	2025-07-11	15:15	Surface Water	N	N	X	X									3	
2	25-AR-1-DS	↓	15:30	↓	↓	↓	X	X									3	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Received in Yellowknife
By: J. Meron
@ 9:18
JUL 14 2025
Temp: 6/6/8
CS: yes Ice: yes

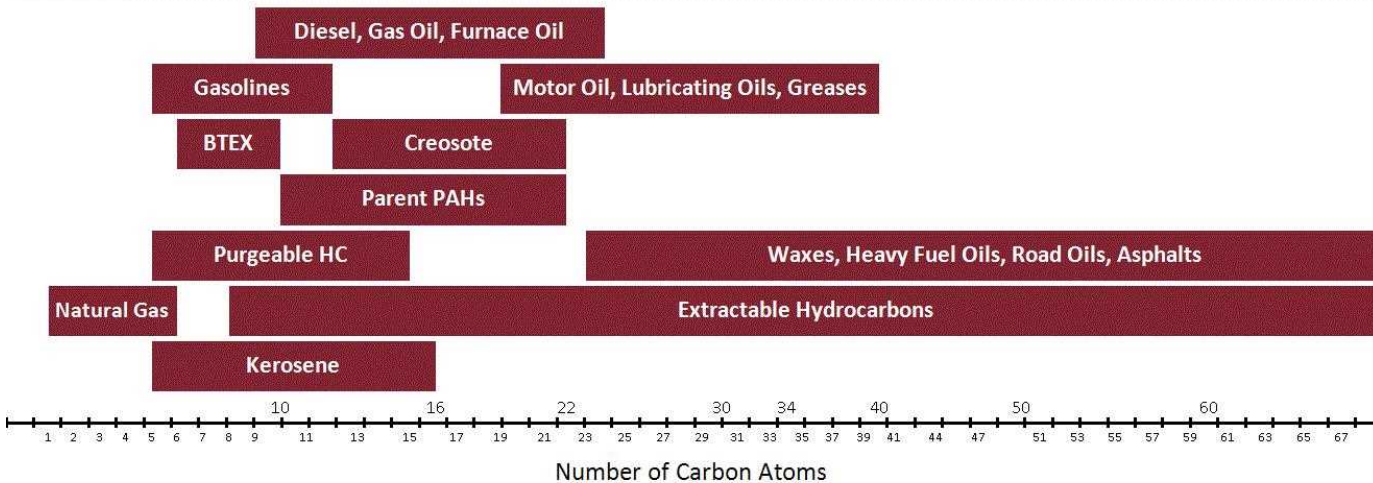
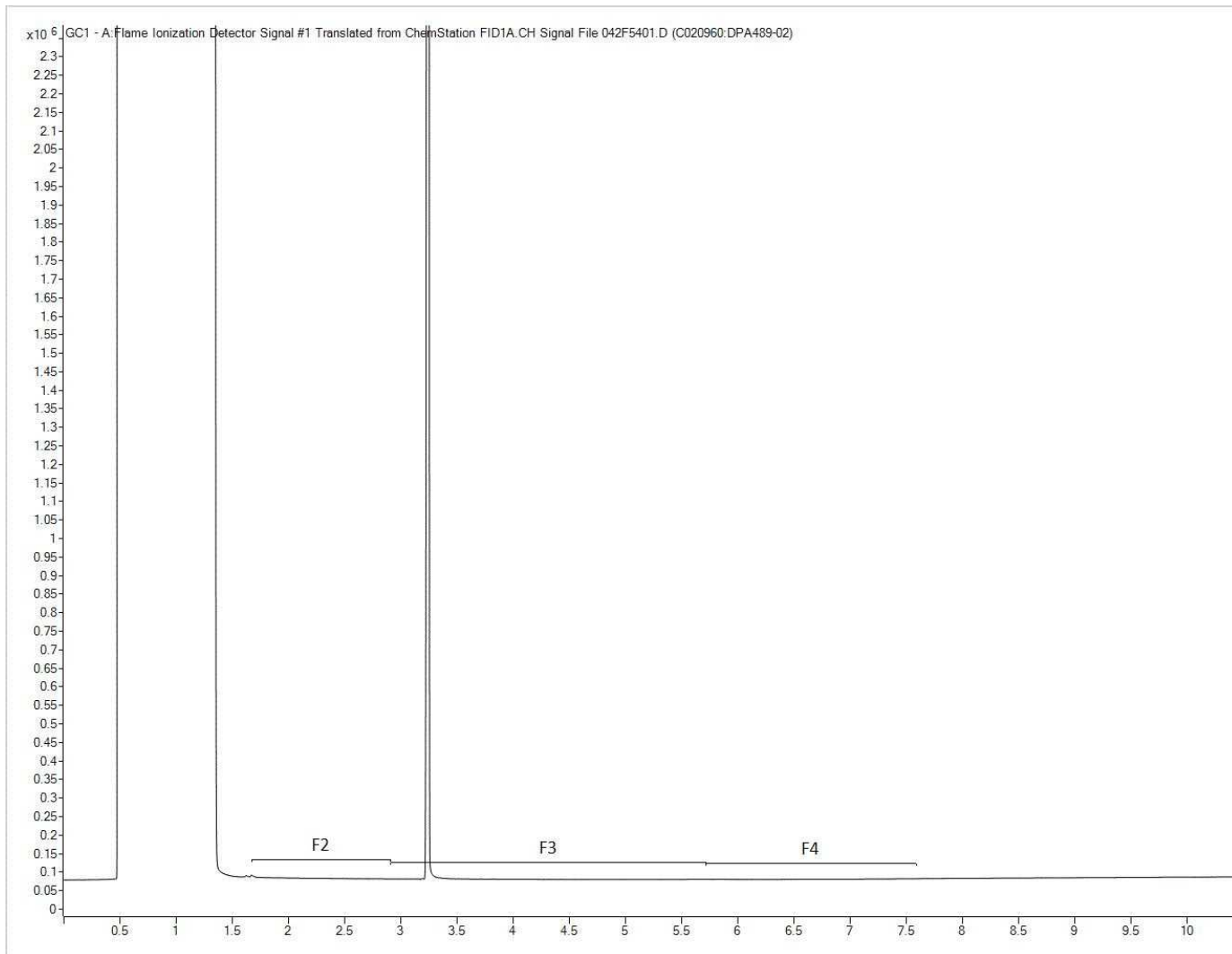
* RELINQUISHED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	RECEIVED BY: (Signature/Print)	Date: (YY/MM/DD)	Time	# jars used and not submitted	Lab Use Only
<u>George Sun</u>	25-07-11	16:06	<u>Charlie K. Leach</u>	25/07/15	15:10		Time Sensitive <input type="checkbox"/> Temperature (°C) on Receipt <u>22</u> Custody Seal Intact on Cooler? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

* UNLESS OTHERWISE AGREED TO IN WRITING, WORK SUBMITTED ON THIS CHAIN OF CUSTODY IS SUBJECT TO BUREAU VERITAS'S STANDARD TERMS AND CONDITIONS. SIGNING OF THIS CHAIN OF CUSTODY DOCUMENT IS AVAILABLE FOR VIEWING AT WWW.BVNA.COM/ENVIRONMENTAL-LABORATORIES/RESOURCES/COC-TERMS-AND-CONDITIONS.
* IT IS THE RESPONSIBILITY OF THE RELINQUISHER TO ENSURE THE ACCURACY OF THE CHAIN OF CUSTODY RECORD. AN INCOMPLETE CHAIN OF CUSTODY MAY RESULT IN ANALYTICAL TAT DELAYS.



EYK-2025-07-026

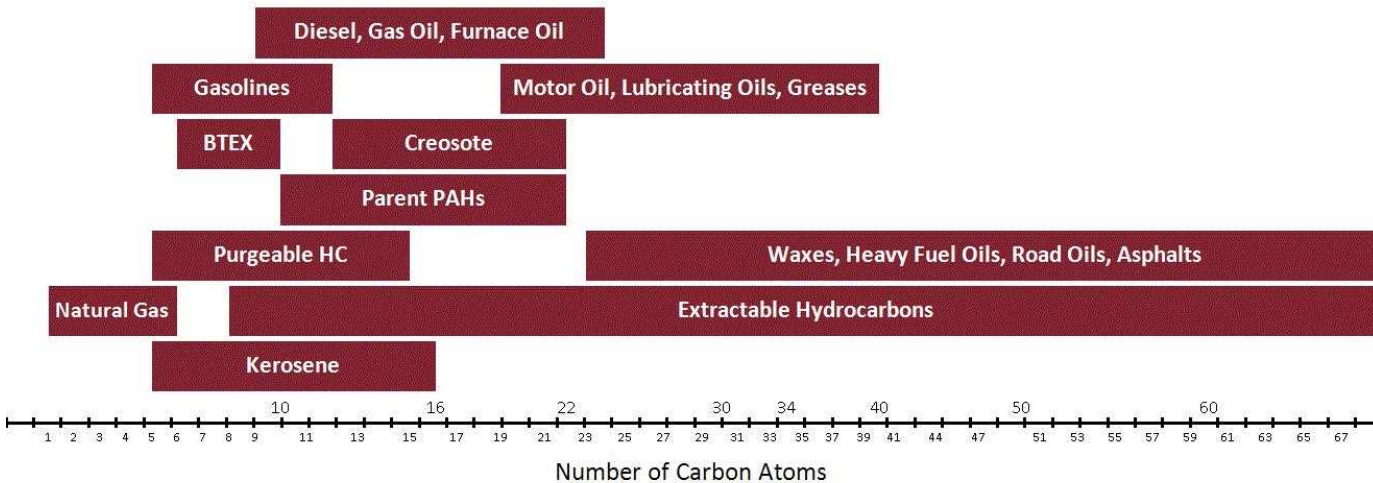
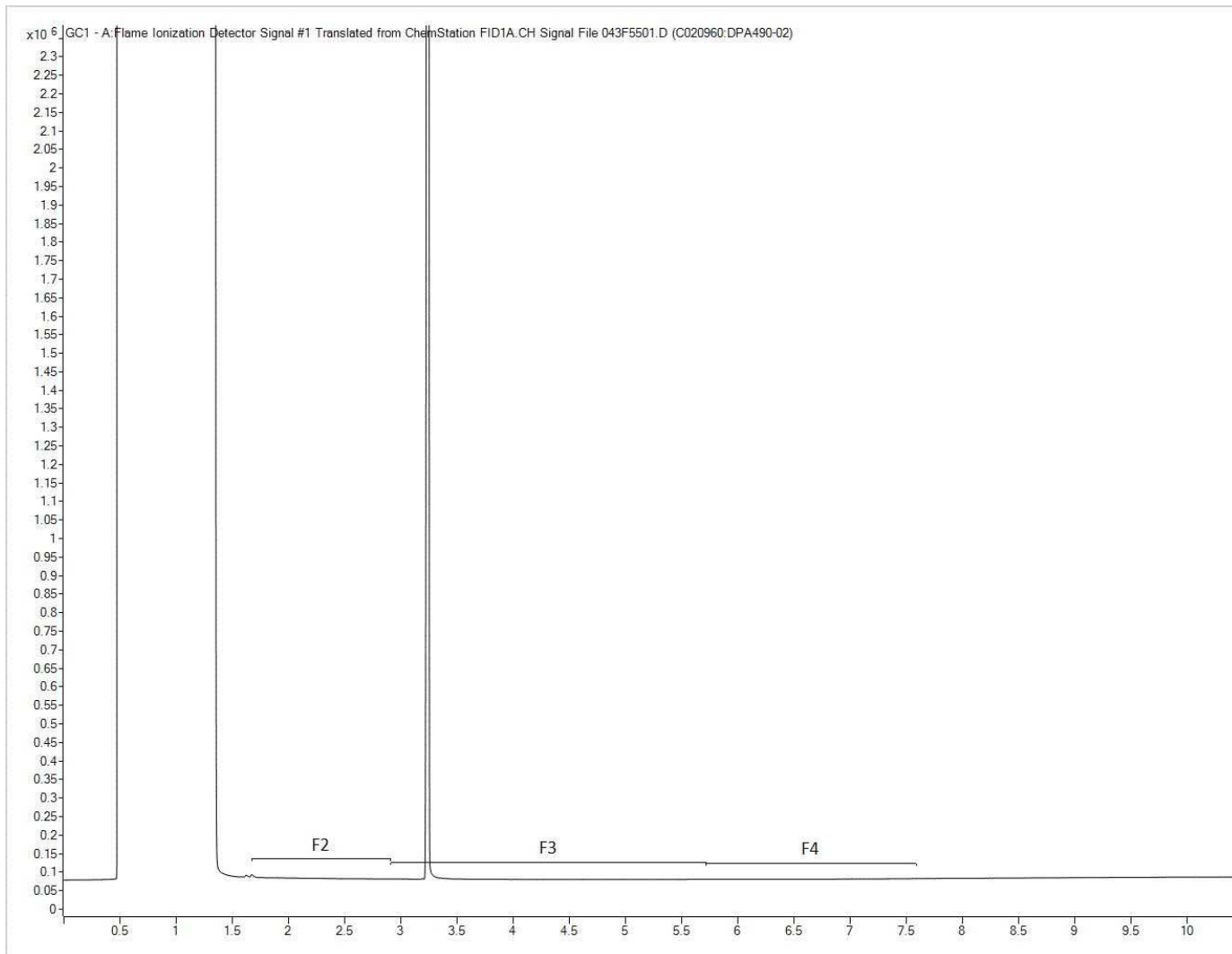
CCME Hydrocarbons (F2-F4 in water) Chromatogram



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Note: This information is provided for reference purposes only. Should detailed chemist interpretation or fingerprinting be required, please contact the laboratory.

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