

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Yazmeen Gomez
Chemtech Consulting Group Inc.
284 Sheffield Street
Mountainside, New Jersey 07092

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JOB DESCRIPTION

Q2616

JOB NUMBER

410-233170-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Barb Weyandt

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Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Qualifiers

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Chemtech Consulting Group Inc.
Project: Q2616

Job ID: 410-233170-1

Job ID: 410-233170-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-233170-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/18/2025 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation, Sample Type (Grab or Composite)>. This does not meet regulatory requirements.

PFAS

Method 1633_Final: EPA Method 1633 requires that all consumables used in the collection, preparation, and analysis of samples and for reporting of Per- and Polyfluorinated Alkyl Substances (PFAS) must have a representative lot check analysis performed to demonstrate cleanliness to be free of PFAS. The containers used for samples(s) B1GW (410-233170-1) and B4GW (410-233170-2)

did not originate from the laboratory, therefore the laboratory cannot guarantee the containers were PFAS-free prior to collection of the sample. The client was contacted prior to preparation and analysis.

Method 1633_Final: The transition mass ratio for Perfluorooctanesulfonic acid in sample B1GW (410-233170-1) in analytical batch 410-675490 was outside of the established ratio limits. However, analyst judgment was used to positively identify the analyte. The analyte is flagged appropriately to identify this exceedance.

Method 1633_Final: Analyte Perfluorononanoic acid was marked as non-detect for sample B1GW (410-233170-1) due to a detection below RL and failing ion ratio.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Client Sample ID: B1GW

Lab Sample ID: 410-233170-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	3.1	J	3.2	0.79	ng/L	1		1633	Total/NA
Perfluorobutanoic acid	5.8	J	6.3	1.7	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	4.4		3.2	1.3	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	3.7		3.2	1.3	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	6.5		3.2	0.79	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	30	I cn	3.2	2.1	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	23		3.2	1.4	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	5.7		3.2	0.95	ng/L	1		1633	Total/NA

Client Sample ID: B4GW

Lab Sample ID: 410-233170-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
NEtFOSAA	3.8		2.7	0.68	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid	8.3		2.7	0.68	ng/L	1		1633	Total/NA
Perfluorobutanoic acid	26		5.5	1.5	ng/L	1		1633	Total/NA
Perfluorodecanoic acid	23		2.7	0.68	ng/L	1		1633	Total/NA
Perfluoroheptanesulfonic acid	3.8		2.7	0.68	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	40		2.7	1.1	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	15		2.7	1.1	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	190		2.7	0.68	ng/L	1		1633	Total/NA
Perfluorononanoic acid	23		2.7	0.68	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	270		2.7	1.8	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	250		2.7	1.2	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	35		2.7	0.82	ng/L	1		1633	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Client Sample ID: B1GW

Lab Sample ID: 410-233170-1

Date Collected: 07/15/25 09:00

Matrix: Water

Date Received: 07/18/25 09:30

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		6.3	1.6	ng/L		07/22/25 15:59	07/24/25 18:15	1
8:2 Fluorotelomer sulfonic acid	ND		6.3	1.6	ng/L		07/22/25 15:59	07/24/25 18:15	1
NEtFOSAA	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
NMeFOSAA	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorobutanesulfonic acid	3.1	J	3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorobutanoic acid	5.8	J	6.3	1.7	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorodecanesulfonic acid	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorodecanoic acid	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorododecanoic acid	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluoroheptanesulfonic acid	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluoroheptanoic acid	4.4		3.2	1.3	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorohexanesulfonic acid	3.7		3.2	1.3	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorohexanoic acid	6.5		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorononanoic acid	ND	cn	2.9	2.9	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorooctanesulfonamide	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorooctanesulfonic acid	30	I cn	3.2	2.1	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorooctanoic acid	23		3.2	1.4	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluoropentanoic acid	5.7		3.2	0.95	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorotetradecanoic acid	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluorotridecanoic acid	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1
Perfluoroundecanoic acid	ND		3.2	0.79	ng/L		07/22/25 15:59	07/24/25 18:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	79.8		40 - 200	07/22/25 15:59	07/24/25 18:15	1
M2-8:2 FTS	65.6		40 - 300	07/22/25 15:59	07/24/25 18:15	1
13C2 PFTeDA	62.4		10 - 130	07/22/25 15:59	07/24/25 18:15	1
13C3 PFBS	82.4		40 - 135	07/22/25 15:59	07/24/25 18:15	1
13C4 PFBA	83.3		5 - 130	07/22/25 15:59	07/24/25 18:15	1
13C4 PFHpA	73.8		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C5 PFPeA	95.1		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C8 PFOA	73.3		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C8 PFOS	65.1		40 - 130	07/22/25 15:59	07/24/25 18:15	1
d3-NMeFOSAA	59.1		40 - 170	07/22/25 15:59	07/24/25 18:15	1
d5-NEtFOSAA	56.9		25 - 135	07/22/25 15:59	07/24/25 18:15	1
13C3 PFHxS	74.5		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C5 PFHxA	87.7		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C6 PFDA	64.6		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C7 PFUnA	57.1		30 - 130	07/22/25 15:59	07/24/25 18:15	1
13C8 FOSA	48.1		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C9 PFNA	70.2		40 - 130	07/22/25 15:59	07/24/25 18:15	1
13C2 PFDoA	54.2		10 - 130	07/22/25 15:59	07/24/25 18:15	1

Client Sample ID: B4GW

Lab Sample ID: 410-233170-2

Date Collected: 07/15/25 12:50

Matrix: Water

Date Received: 07/18/25 09:30

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		5.5	1.4	ng/L		07/22/25 15:59	07/24/25 18:29	1
8:2 Fluorotelomer sulfonic acid	ND		5.5	1.4	ng/L		07/22/25 15:59	07/24/25 18:29	1
NEtFOSAA	3.8		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Client Sample ID: B4GW

Lab Sample ID: 410-233170-2

Date Collected: 07/15/25 12:50

Matrix: Water

Date Received: 07/18/25 09:30

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSAA	ND		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorobutanesulfonic acid	8.3		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorobutanoic acid	26		5.5	1.5	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorodecanesulfonic acid	ND		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorodecanoic acid	23		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorododecanoic acid	ND		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluoroheptanesulfonic acid	3.8		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluoroheptanoic acid	40		2.7	1.1	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorohexanesulfonic acid	15		2.7	1.1	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorohexanoic acid	190		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorononanoic acid	23		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorooctanesulfonamide	ND		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorooctanesulfonic acid	270		2.7	1.8	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorooctanoic acid	250		2.7	1.2	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluoropentanoic acid	35		2.7	0.82	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorotetradecanoic acid	ND		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluorotridecanoic acid	ND		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Perfluoroundecanoic acid	ND		2.7	0.68	ng/L		07/22/25 15:59	07/24/25 18:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
M2-6:2 FTS	75.3		40 - 200				07/22/25 15:59	07/24/25 18:29	1
M2-8:2 FTS	55.9		40 - 300				07/22/25 15:59	07/24/25 18:29	1
13C2 PFTeDA	48.5		10 - 130				07/22/25 15:59	07/24/25 18:29	1
13C3 PFBS	76.6		40 - 135				07/22/25 15:59	07/24/25 18:29	1
13C4 PFBA	66.7		5 - 130				07/22/25 15:59	07/24/25 18:29	1
13C4 PFHpA	62.0		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C5 PFPeA	71.6		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C8 PFOA	64.4		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C8 PFOS	66.0		40 - 130				07/22/25 15:59	07/24/25 18:29	1
d3-NMeFOSAA	53.3		40 - 170				07/22/25 15:59	07/24/25 18:29	1
d5-NEtFOSAA	52.3		25 - 135				07/22/25 15:59	07/24/25 18:29	1
13C3 PFHxS	68.6		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C5 PFHxA	64.9		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C6 PFDA	64.2		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C7 PFUnA	60.7		30 - 130				07/22/25 15:59	07/24/25 18:29	1
13C8 FOSA	50.7		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C9 PFNA	67.5		40 - 130				07/22/25 15:59	07/24/25 18:29	1
13C2 PFDoA	50.4		10 - 130				07/22/25 15:59	07/24/25 18:29	1

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (40-200)	M282FTS (40-300)	PFTDA (10-130)	C3PFBS (40-135)	PFBA (5-130)	C4PFHA (40-130)	PFPeA (40-130)	C8PFOA (40-130)
410-233170-1	B1GW	79.8	65.6	62.4	82.4	83.3	73.8	95.1	73.3
410-233170-2	B4GW	75.3	55.9	48.5	76.6	66.7	62.0	71.6	64.4
LCS 410-674693/2-A	Lab Control Sample	92.8	85.9	79.1	84.8	78.4	83.4	88.4	84.0
LCSD 410-674693/3-A	Lab Control Sample Dup	89.9	85.4	81.9	85.9	79.5	81.1	86.1	88.8
LLCS 410-674693/4-A	Lab Control Sample	87.0	76.9	80.1	81.5	76.2	79.9	80.1	81.9
MB 410-674693/1-A	Method Blank	93.2	86.9	92.8	96.4	86.0	90.7	93.0	91.3
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C8PFOS (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)	C3PFHS (40-130)	13C5PHA (40-130)	C6PFDA (40-130)	13C7PUA (30-130)	PFOSA (40-130)
410-233170-1	B1GW	65.1	59.1	56.9	74.5	87.7	64.6	57.1	48.1
410-233170-2	B4GW	66.0	53.3	52.3	68.6	64.9	64.2	60.7	50.7
LCS 410-674693/2-A	Lab Control Sample	84.1	79.9	80.7	87.0	84.6	81.3	85.2	67.5
LCSD 410-674693/3-A	Lab Control Sample Dup	83.4	82.9	81.4	84.2	88.3	83.5	82.0	68.4
LLCS 410-674693/4-A	Lab Control Sample	81.1	80.9	79.1	81.4	85.3	80.1	79.1	64.7
MB 410-674693/1-A	Method Blank	88.6	88.2	82.5	91.7	94.5	87.3	83.2	70.9
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	C9PFNA (40-130)	PFDaA (10-130)						
410-233170-1	B1GW	70.2	54.2						
410-233170-2	B4GW	67.5	50.4						
LCS 410-674693/2-A	Lab Control Sample	86.5	79.3						
LCSD 410-674693/3-A	Lab Control Sample Dup	85.4	81.9						
LLCS 410-674693/4-A	Lab Control Sample	76.9	75.2						
MB 410-674693/1-A	Method Blank	86.8	86.8						

Surrogate Legend

M262FTS = M2-6:2 FTS
 M282FTS = M2-8:2 FTS
 PFTDA = 13C2 PFTeDA
 C3PFBS = 13C3 PFBS
 PFBA = 13C4 PFBA
 C4PFHA = 13C4 PFHpA
 PFPeA = 13C5 PFPeA
 C8PFOA = 13C8 PFOA
 C8PFOS = 13C8 PFOS
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 C3PFHS = 13C3 PFHxS
 13C5PHA = 13C5 PFHxA
 C6PFDA = 13C6 PFDA
 13C7PUA = 13C7 PFUnA
 PFOSA = 13C8 FOSA
 C9PFNA = 13C9 PFNA
 PFDaA = 13C2 PFDaA

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 410-674693/1-A

Matrix: Water

Analysis Batch: 675490

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 674693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	ND		4.0	1.0	ng/L		07/22/25 15:59	07/24/25 17:21	1
8:2 Fluorotelomer sulfonic acid	ND		4.0	1.0	ng/L		07/22/25 15:59	07/24/25 17:21	1
NEtFOSAA	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
NMeFOSAA	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorobutanoic acid	ND		4.0	1.1	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluoroheptanoic acid	ND		2.0	0.80	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorohexanesulfonic acid	ND		2.0	0.80	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorononanoic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorooctanesulfonic acid	ND		2.0	1.3	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorooctanoic acid	ND		2.0	0.90	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluoropentanoic acid	ND		2.0	0.60	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		07/22/25 15:59	07/24/25 17:21	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	93.2		40 - 200	07/22/25 15:59	07/24/25 17:21	1
M2-8:2 FTS	86.9		40 - 300	07/22/25 15:59	07/24/25 17:21	1
13C2 PFTeDA	92.8		10 - 130	07/22/25 15:59	07/24/25 17:21	1
13C3 PFBS	96.4		40 - 135	07/22/25 15:59	07/24/25 17:21	1
13C4 PFBA	86.0		5 - 130	07/22/25 15:59	07/24/25 17:21	1
13C4 PFHpA	90.7		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C5 PFPeA	93.0		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C8 PFOA	91.3		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C8 PFOS	88.6		40 - 130	07/22/25 15:59	07/24/25 17:21	1
d3-NMeFOSAA	88.2		40 - 170	07/22/25 15:59	07/24/25 17:21	1
d5-NEtFOSAA	82.5		25 - 135	07/22/25 15:59	07/24/25 17:21	1
13C3 PFHxS	91.7		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C5 PFHxA	94.5		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C6 PFDA	87.3		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C7 PFUnA	83.2		30 - 130	07/22/25 15:59	07/24/25 17:21	1
13C8 FOSA	70.9		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C9 PFNA	86.8		40 - 130	07/22/25 15:59	07/24/25 17:21	1
13C2 PFDoA	86.8		10 - 130	07/22/25 15:59	07/24/25 17:21	1

Lab Sample ID: LCS 410-674693/2-A

Matrix: Water

Analysis Batch: 675490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 674693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
6:2 Fluorotelomer sulfonic acid	76.2	79.1		ng/L		104	65 - 155
8:2 Fluorotelomer sulfonic acid	76.8	80.6		ng/L		105	60 - 150

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 410-674693/2-A

Matrix: Water

Analysis Batch: 675490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 674693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
NEtFOSAA	40.0	40.3		ng/L		101	70 - 145	
NMeFOSAA	40.0	39.8		ng/L		99	50 - 140	
Perfluorobutanesulfonic acid	35.5	38.9		ng/L		110	60 - 145	
Perfluorobutanoic acid	80.0	89.0		ng/L		111	70 - 140	
Perfluorodecanesulfonic acid	38.6	34.6		ng/L		90	60 - 145	
Perfluorodecanoic acid	40.0	39.0		ng/L		97	70 - 140	
Perfluorododecanoic acid	40.0	41.7		ng/L		104	70 - 140	
Perfluoroheptanesulfonic acid	38.2	36.0		ng/L		94	70 - 150	
Perfluoroheptanoic acid	40.0	41.0		ng/L		103	70 - 150	
Perfluorohexanesulfonic acid	36.5	37.7		ng/L		103	65 - 145	
Perfluorohexanoic acid	40.0	39.1		ng/L		98	70 - 145	
Perfluorononanoic acid	40.0	38.8		ng/L		97	70 - 150	
Perfluorooctanesulfonamide	40.0	44.8		ng/L		112	70 - 145	
Perfluorooctanesulfonic acid	37.2	33.3		ng/L		89	55 - 150	
Perfluorooctanoic acid	40.0	39.2		ng/L		98	70 - 150	
Perfluoropentanoic acid	40.0	36.0		ng/L		90	65 - 135	
Perfluorotetradecanoic acid	40.0	38.7		ng/L		97	60 - 140	
Perfluorotridecanoic acid	40.0	38.5		ng/L		96	65 - 140	
Perfluoroundecanoic acid	40.0	39.1		ng/L		98	70 - 145	

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	92.8		40 - 200
M2-8:2 FTS	85.9		40 - 300
13C2 PFTeDA	79.1		10 - 130
13C3 PFBS	84.8		40 - 135
13C4 PFBA	78.4		5 - 130
13C4 PFHpA	83.4		40 - 130
13C5 PFPeA	88.4		40 - 130
13C8 PFOA	84.0		40 - 130
13C8 PFOS	84.1		40 - 130
d3-NMeFOSAA	79.9		40 - 170
d5-NEtFOSAA	80.7		25 - 135
13C3 PFHxS	87.0		40 - 130
13C5 PFHxA	84.6		40 - 130
13C6 PFDA	81.3		40 - 130
13C7 PFUnA	85.2		30 - 130
13C8 FOSA	67.5		40 - 130
13C9 PFNA	86.5		40 - 130
13C2 PFDoA	79.3		10 - 130

Lab Sample ID: LCSD 410-674693/3-A

Matrix: Water

Analysis Batch: 675490

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 674693

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
6:2 Fluorotelomer sulfonic acid	76.2	80.3		ng/L		105	65 - 155		2	30
8:2 Fluorotelomer sulfonic acid	76.8	81.9		ng/L		107	60 - 150		2	30
NEtFOSAA	40.0	41.1		ng/L		103	70 - 145		2	30
NMeFOSAA	40.0	39.0		ng/L		98	50 - 140		2	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCSD 410-674693/3-A

Matrix: Water

Analysis Batch: 675490

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 674693

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanesulfonic acid	35.5	34.9		ng/L		98	60 - 145	11	30
Perfluorobutanoic acid	80.0	90.2		ng/L		113	70 - 140	1	30
Perfluorodecanesulfonic acid	38.6	35.5		ng/L		92	60 - 145	3	30
Perfluorodecanoic acid	40.0	41.5		ng/L		104	70 - 140	6	30
Perfluorododecanoic acid	40.0	43.7		ng/L		109	70 - 140	5	30
Perfluoroheptanesulfonic acid	38.2	36.3		ng/L		95	70 - 150	1	30
Perfluoroheptanoic acid	40.0	40.9		ng/L		102	70 - 150	0	30
Perfluorohexanesulfonic acid	36.5	38.4		ng/L		105	65 - 145	2	30
Perfluorohexanoic acid	40.0	37.2		ng/L		93	70 - 145	5	30
Perfluorononanoic acid	40.0	40.1		ng/L		100	70 - 150	3	30
Perfluorooctanesulfonamide	40.0	44.7		ng/L		112	70 - 145	0	30
Perfluorooctanesulfonic acid	37.2	35.8		ng/L		96	55 - 150	7	30
Perfluorooctanoic acid	40.0	39.3		ng/L		98	70 - 150	0	30
Perfluoropentanoic acid	40.0	37.3		ng/L		93	65 - 135	4	30
Perfluorotetradecanoic acid	40.0	39.4		ng/L		99	60 - 140	2	30
Perfluorotridecanoic acid	40.0	40.4		ng/L		101	65 - 140	5	30
Perfluoroundecanoic acid	40.0	41.4		ng/L		104	70 - 145	6	30

Isotope Dilution	%Recovery	Qualifier	Limits
M2-6:2 FTS	89.9		40 - 200
M2-8:2 FTS	85.4		40 - 300
13C2 PFTeDA	81.9		10 - 130
13C3 PFBS	85.9		40 - 135
13C4 PFBA	79.5		5 - 130
13C4 PFHpA	81.1		40 - 130
13C5 PFPeA	86.1		40 - 130
13C8 PFOA	88.8		40 - 130
13C8 PFOS	83.4		40 - 130
d3-NMeFOSAA	82.9		40 - 170
d5-NEtFOSAA	81.4		25 - 135
13C3 PFHxS	84.2		40 - 130
13C5 PFHxA	88.3		40 - 130
13C6 PFDA	83.5		40 - 130
13C7 PFUnA	82.0		30 - 130
13C8 FOSA	68.4		40 - 130
13C9 PFNA	85.4		40 - 130
13C2 PFDoA	81.9		10 - 130

Lab Sample ID: LLCS 410-674693/4-A

Matrix: Water

Analysis Batch: 675490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 674693

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
6:2 Fluorotelomer sulfonic acid	7.62	8.44		ng/L		111	65 - 155
8:2 Fluorotelomer sulfonic acid	7.68	9.22		ng/L		120	60 - 150
NEtFOSAA	4.00	4.62		ng/L		115	70 - 145
NMeFOSAA	4.00	4.21		ng/L		105	50 - 140
Perfluorobutanesulfonic acid	3.55	4.11		ng/L		116	60 - 145
Perfluorobutanoic acid	8.00	9.64		ng/L		121	70 - 140

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 410-674693/4-A

Matrix: Water

Analysis Batch: 675490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 674693

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorodecanesulfonic acid	3.86	3.86		ng/L		100	60 - 145
Perfluorodecanoic acid	4.00	4.47		ng/L		112	70 - 140
Perfluorododecanoic acid	4.00	4.92		ng/L		123	70 - 140
Perfluoroheptanesulfonic acid	3.82	3.74		ng/L		98	70 - 150
Perfluoroheptanoic acid	4.00	4.80		ng/L		120	70 - 150
Perfluorohexanesulfonic acid	3.65	4.22		ng/L		116	65 - 145
Perfluorohexanoic acid	4.00	4.20		ng/L		105	70 - 145
Perfluorononanoic acid	4.00	5.13		ng/L		128	70 - 150
Perfluorooctanesulfonamide	4.00	4.70		ng/L		118	70 - 145
Perfluorooctanesulfonic acid	3.72	3.99		ng/L		107	55 - 150
Perfluorooctanoic acid	4.00	4.24		ng/L		106	70 - 150
Perfluoropentanoic acid	4.00	4.86		ng/L		121	65 - 135
Perfluorotetradecanoic acid	4.00	4.37		ng/L		109	60 - 140
Perfluorotridecanoic acid	4.00	4.18		ng/L		105	65 - 140
Perfluoroundecanoic acid	4.00	4.39		ng/L		110	70 - 145

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
M2-6:2 FTS	87.0		40 - 200
M2-8:2 FTS	76.9		40 - 300
13C2 PFTeDA	80.1		10 - 130
13C3 PFBS	81.5		40 - 135
13C4 PFBA	76.2		5 - 130
13C4 PFHpA	79.9		40 - 130
13C5 PFPeA	80.1		40 - 130
13C8 PFOA	81.9		40 - 130
13C8 PFOS	81.1		40 - 130
d3-NMeFOSAA	80.9		40 - 170
d5-NEtFOSAA	79.1		25 - 135
13C3 PFHxS	81.4		40 - 130
13C5 PFHxA	85.3		40 - 130
13C6 PFDA	80.1		40 - 130
13C7 PFUnA	79.1		30 - 130
13C8 FOSA	64.7		40 - 130
13C9 PFNA	76.9		40 - 130
13C2 PFDoA	75.2		10 - 130

QC Association Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

LCMS

Prep Batch: 674693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-233170-1	B1GW	Total/NA	Water	1633	
410-233170-2	B4GW	Total/NA	Water	1633	
MB 410-674693/1-A	Method Blank	Total/NA	Water	1633	
LCS 410-674693/2-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 410-674693/3-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 410-674693/4-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 675490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-233170-1	B1GW	Total/NA	Water	1633	674693
410-233170-2	B4GW	Total/NA	Water	1633	674693
MB 410-674693/1-A	Method Blank	Total/NA	Water	1633	674693
LCS 410-674693/2-A	Lab Control Sample	Total/NA	Water	1633	674693
LCSD 410-674693/3-A	Lab Control Sample Dup	Total/NA	Water	1633	674693
LLCS 410-674693/4-A	Lab Control Sample	Total/NA	Water	1633	674693

Lab Chronicle

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Client Sample ID: B1GW
Date Collected: 07/15/25 09:00
Date Received: 07/18/25 09:30

Lab Sample ID: 410-233170-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			674693	MSH2	ELLE	07/22/25 15:59
Total/NA	Analysis	1633		1	675490	LDU5	ELLE	07/24/25 18:15

Client Sample ID: B4GW
Date Collected: 07/15/25 12:50
Date Received: 07/18/25 09:30

Lab Sample ID: 410-233170-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			674693	MSH2	ELLE	07/22/25 15:59
Total/NA	Analysis	1633		1	675490	LDU5	ELLE	07/24/25 18:29

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1633	1633	Water	Perfluorodecanesulfonic acid
1633	1633	Water	Perfluorooctanesulfonamide

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
1633	Solid-Phase Extraction (SPE)	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2616

Job ID: 410-233170-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-233170-1	B1GW	Water	07/15/25 09:00	07/18/25 09:30
410-233170-2	B4GW	Water	07/15/25 12:50	07/18/25 09:30

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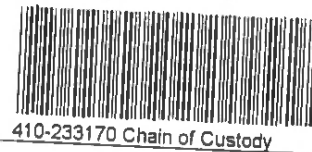
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15



CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
COMPANY : EUROFINS Lancaster Laboratories	ORDER ID : Q2616	BILL TO: CHEMTECH PO# : Q2616
ADDRESS : 2425 New Holland Pike	PROJECT ID:151 Albany Ave, Freeport NY	ADDRESS : 284, Sheffield Street
CITY:Lancaster State :PA ZIP :17601	PROJECT MANAGER YAZMEEN	CITY: Mountainside State : NJ ZIP : 07092
E-mail :	E-mail : yazmeen.gomez@alliancetg.com	ATTENTION :YAZMEE
PHONE :717-693-5814	PHONE : (908) 789 8900 FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN Report : Level 1 Comment : NY GRAB

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
01	B1GW	Water	Wet Chem Group1	Cool 4 deg C	Cal	07/15/2025	09:00:00	1	5
02	B4GW	Water	Wet Chem Group1	Cool 4 deg C	Cal	07/15/2025	12:50:00	1	5

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATETIME: 7/17/25 1430	RECEIVED BY:	Conditions of bottles or Coolers at receipt:	☐ Compliant ☐ Non Compliant	Cooler Temp: 15.1
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	7/18/25 0930 elie		Ice or Cooler? 4
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	Shipment Complete: ☐ YES ☐ NO		

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-233170-1

Login Number: 233170

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Hartlove, Katie M

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	