Alliance TECHNICAL GROUP 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

DATA PACKAGE

SUB - DATA

PROJECT NAME : 33 REDFERN AVE., INWOOD, NY

GFE LLC

58 Nokomis Ave

Lake Hiawatha, NJ - 07034

Phone No: 646-542-3465

ORDER ID : Q2563

ATTENTION : Frank Galdun

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Cover Page

Order ID : Q2563

Project ID : 33 Redfern Ave., Inwood, NY

Client : GFE LLC

Lab Sample Number	Client Sample Number
Q2563-01	B2 4-4.5
Q2563-02	B4 Z-3
Q2563-03	B2GW
Q2563-04	B4GW

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:21 am, Jul 22, 2025

Date: 7/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/21/2025 3:09:07 PM

JOB DESCRIPTION

Q2563

JOB NUMBER

410-231761-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

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

Barb Weyandt

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7/21/2025 3:09:07 PM

Authorized for release by
Barbara Weyandt, Project Manager
Barbara.Weyandt@et.eurofinsus.com
(717)556-7264

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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Barb Weyandt

Table of Contents

Definitions/Glossary

Client: Chemtech Consulting Group Inc.
Job ID: 410-231761-1
Project/Site: Q2563

Qualifiers

LCMS

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
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

Job ID: 410-231761-1 Eurofins Lancaster Laboratories Environment

Job Narrative
410-231761-1

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 7/11/2025 9:40 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 4.2°C.

PFAS
Method 1633_Final: Due to TSS greater than 50 mg/L when compared to a visual standard, the samples were spiked with extracted internal standards, shaken and centrifuged. The aqueous portion was decanted into the original container and extracted. The affected sample is B2GW (410-231761-3).

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) B2GW (410-231761-3) and B4GW (410-231761-4) 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: Reporting limits were raised for the following samples: B2GW (410-231761-3) and B4GW (410-231761-4) due to limited sample volume.

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

General Chemistry
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: Q2563

Job ID: 410-231761-1

Client Sample ID: B2-4-4.5 — Lab Sample ID: 410-231761-1

No Detections.

Client Sample ID: B4-Z-3 — Lab Sample ID: 410-231761-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid	0.10	J	0.19	0.057	ng/g	1	☼	1633	Total/NA

Client Sample ID: B2GW — Lab Sample ID: 410-231761-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	6.1	cn	5.3	1.5	ng/L	1		1633	Total/NA
Perfluorodecanesulfonic acid	1.5	J cn	2.6	0.66	ng/L	1		1633	Total/NA
Perfluorodecanoic acid	8.0	cn	2.6	0.66	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	5.7	cn	2.6	1.1	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	1.3	J cn	2.6	1.1	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	5.7	cn	2.6	0.66	ng/L	1		1633	Total/NA
Perfluorononanoic acid	4.1	cn	2.6	0.66	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	19	cn	2.6	1.7	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	24	cn	2.6	1.2	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	6.7	cn	2.6	0.79	ng/L	1		1633	Total/NA
Perfluoroundecanoic acid	0.87	J cn	2.6	0.66	ng/L	1		1633	Total/NA

Client Sample ID: B4GW — Lab Sample ID: 410-231761-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	3.7	cn	2.7	0.67	ng/L	1		1633	Total/NA
Perfluorobutanoic acid	8.9	cn	5.3	1.5	ng/L	1		1633	Total/NA
Perfluorodecanoic acid	1.1	J cn	2.7	0.67	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid	8.0	cn	2.7	1.1	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid	2.2	J cn	2.7	1.1	ng/L	1		1633	Total/NA
Perfluorohexanoic acid	12	cn	2.7	0.67	ng/L	1		1633	Total/NA
Perfluorononanoic acid	3.2	cn	2.7	0.67	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid	19	cn	2.7	1.7	ng/L	1		1633	Total/NA
Perfluorooctanoic acid	35	cn	2.7	1.2	ng/L	1		1633	Total/NA
Perfluoropentanoic acid	13	cn	2.7	0.80	ng/L	1		1633	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client: Chemtech Consulting Group Inc.
Project/Site: Q2563

Job ID: 410-231761-1

Client Sample ID: B2-4-4.5
Date Collected: 07/09/25 10:00
Date Received: 07/11/25 09:40

Lab Sample ID: 410-231761-1
Matrix: Solid
Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		0.38	0.12	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluoropentanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorohexanoic acid	ND		0.19	0.057	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluoroheptanoic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorooctanoic acid	ND		0.19	0.057	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorononanoic acid	ND		0.19	0.057	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorodecanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluoroundecanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorododecanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorotridecanoic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorotetradecanoic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorobutanesulfonic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorohexanesulfonic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluoroheptanesulfonic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorooctanesulfonic acid	ND		0.19	0.11	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorodecanesulfonic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
6:2 Fluorotelomer sulfonic acid	ND		0.38	0.12	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
8:2 Fluorotelomer sulfonic acid	ND		0.38	0.12	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
Perfluorooctanesulfonamide	ND		0.19	0.086	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
NMeFOSAA	ND		0.19	0.077	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1
NEtFOSAA	ND		0.19	0.11	ng/g	☼	07/16/25 14:13	07/18/25 22:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72.5*		*8 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C8 PFOA	*62.8*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C8 PFOS	*69.3*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C8 FOSA	*59.4*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C4 PFHpA	*63.2*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C5 PFPeA	*70.2*		*35 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C2 PFTeDA	*40.8*		*20 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
d5-NEtFOSAA	*61.4*		*40 - 150*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
d3-NMeFOSAA	*62.2*		*40 - 135*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
M2-6:2 FTS	*63.6*		*40 - 215*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
M2-8:2 FTS	*59.5*		*40 - 275*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C3 PFBS	*63.5*		*40 - 135*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C5 PFHxA	*66.4*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C9 PFNA	*62.6*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C6 PFDA	*62.0*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C7 PFUnA	*68.0*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C3 PFHxS	*62.2*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*
13C2 PFDoA	*61.9*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.8		1.0	1.0	%			07/16/25 07:29	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q2563

Job ID: 410-231761-1

Client Sample ID: B4-Z-3
Date Collected: 07/09/25 12:15
Date Received: 07/11/25 09:40

Lab Sample ID: 410-231761-2
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		0.38	0.12	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluoropentanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorohexanoic acid	ND		0.19	0.057	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluoroheptanoic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorooctanoic acid	**0.10**	**J**	0.19	0.057	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorononanoic acid	ND		0.19	0.057	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorodecanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluoroundecanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorododecanoic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorotridecanoic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorotetradecanoic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorobutanesulfonic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorohexanesulfonic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluoroheptanesulfonic acid	ND		0.19	0.067	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorooctanesulfonic acid	ND		0.19	0.11	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorodecanesulfonic acid	ND		0.19	0.048	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
6:2 Fluorotelomer sulfonic acid	ND		0.38	0.12	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
8:2 Fluorotelomer sulfonic acid	ND		0.38	0.12	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
Perfluorooctanesulfonamide	ND		0.19	0.086	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
NMeFOSAA	ND		0.19	0.077	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1
NEtFOSAA	ND		0.19	0.11	ng/g	☼	07/16/25 14:13	07/18/25 22:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.9*		*8 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C8 PFOA	*80.1*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C8 PFOS	*43.6*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C8 FOSA	*64.5*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C4 PFHpA	*84.4*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C5 PFPeA	*94.9*		*35 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C2 PFTeDA	*34.0*		*20 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
d5-NEtFOSAA	*53.7*		*40 - 150*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
d3-NMeFOSAA	*56.6*		*40 - 135*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
M2-6:2 FTS	*78.3*		*40 - 215*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
M2-8:2 FTS	*53.8*		*40 - 275*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C3 PFBS	*84.8*		*40 - 135*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C5 PFHxA	*89.1*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C9 PFNA	*67.3*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C6 PFDA	*56.6*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C7 PFUnA	*46.9*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C3 PFHxS	*60.9*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*
13C2 PFDoA	*45.6*		*40 - 130*	*07/16/25 14:13*	*07/18/25 22:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			07/16/25 07:29	1

Client Sample ID: B2GW

Lab Sample ID: 410-231761-3

Date Collected: 07/09/25 11:00

Matrix: Water

Date Received: 07/11/25 09:40

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	cn	5.3	1.3	ng/L		07/16/25 15:42	07/17/25 10:45	1
8:2 Fluorotelomer sulfonic acid	ND	cn	5.3	1.3	ng/L		07/16/25 15:42	07/17/25 10:45	1
NEtFOSAA	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
NMeFOSAA	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorobutanesulfonic acid	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorobutanoic acid	**6.1**	**cn**	5.3	1.5	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorodecanesulfonic acid	**1.5**	**J cn**	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorodecanoic acid	**8.0**	**cn**	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorododecanoic acid	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluoroheptanesulfonic acid	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluoroheptanoic acid	**5.7**	**cn**	2.6	1.1	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorohexanesulfonic acid	**1.3**	**J cn**	2.6	1.1	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorohexanoic acid	**5.7**	**cn**	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorononanoic acid	**4.1**	**cn**	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorooctanesulfonamide	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorooctanesulfonic acid	**19**	**cn**	2.6	1.7	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorooctanoic acid	**24**	**cn**	2.6	1.2	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluoropentanoic acid	**6.7**	**cn**	2.6	0.79	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorotetradecanoic acid	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluorotridecanoic acid	ND	cn	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1
Perfluoroundecanoic acid	**0.87**	**J cn**	2.6	0.66	ng/L		07/16/25 15:42	07/17/25 10:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*91.7*	*cn*	*40 - 200*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
M2-8:2 FTS	*84.0*	*cn*	*40 - 300*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C2 PFTeDA	*21.7*	*cn*	*10 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C3 PFBS	*88.3*	*cn*	*40 - 135*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C4 PFBA	*88.5*	*cn*	*5 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C4 PFHpA	*97.3*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C5 PFPeA	*99.3*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C8 PFOA	*86.0*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C8 PFOS	*89.7*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
d3-NMeFOSAA	*87.6*	*cn*	*40 - 170*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
d5-NEtFOSAA	*85.5*	*cn*	*25 - 135*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C3 PFHxS	*86.2*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C5 PFHxA	*95.2*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C6 PFDA	*88.0*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C7 PFUnA	*80.8*	*cn*	*30 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C8 FOSA	*85.2*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C9 PFNA	*91.4*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*
13C2 PFDoA	*67.0*	*cn*	*10 - 130*	*07/16/25 15:42*	*07/17/25 10:45*	*1*

Client Sample ID: B4GW

Lab Sample ID: 410-231761-4

Date Collected: 07/09/25 12:38

Matrix: Water

Date Received: 07/11/25 09:40

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	cn	5.3	1.3	ng/L		07/16/25 15:42	07/17/25 10:59	1
8:2 Fluorotelomer sulfonic acid	ND	cn	5.3	1.3	ng/L		07/16/25 15:42	07/17/25 10:59	1
NEtFOSAA	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1

Client: Chemtech Consulting Group Inc.
Project/Site: Q2563

Job ID: 410-231761-1

Client Sample ID: B4GW
Date Collected: 07/09/25 12:38
Date Received: 07/11/25 09:40

Lab Sample ID: 410-231761-4
Matrix: Water

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	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorobutanesulfonic acid	**3.7**	**cn**	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorobutanoic acid	**8.9**	**cn**	5.3	1.5	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorodecanesulfonic acid	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorodecanoic acid	**1.1**	**J cn**	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorododecanoic acid	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluoroheptanesulfonic acid	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluoroheptanoic acid	**8.0**	**cn**	2.7	1.1	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorohexanesulfonic acid	**2.2**	**J cn**	2.7	1.1	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorohexanoic acid	**12**	**cn**	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorononanoic acid	**3.2**	**cn**	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorooctanesulfonamide	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorooctanesulfonic acid	**19**	**cn**	2.7	1.7	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorooctanoic acid	**35**	**cn**	2.7	1.2	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluoropentanoic acid	**13**	**cn**	2.7	0.80	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorotetradecanoic acid	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluorotridecanoic acid	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1
Perfluoroundecanoic acid	ND	cn	2.7	0.67	ng/L		07/16/25 15:42	07/17/25 10:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*89.0*	*cn*	*40 - 200*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
M2-8:2 FTS	*83.8*	*cn*	*40 - 300*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C2 PFTeDA	*49.2*	*cn*	*10 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C3 PFBS	*92.1*	*cn*	*40 - 135*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C4 PFBA	*86.0*	*cn*	*5 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C4 PFHpA	*78.8*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C5 PFPeA	*84.8*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C8 PFOA	*89.3*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C8 PFOS	*82.6*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
d3-NMeFOSAA	*79.8*	*cn*	*40 - 170*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
d5-NEtFOSAA	*78.3*	*cn*	*25 - 135*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C3 PFHxS	*85.9*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C5 PFHxA	*83.6*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C6 PFDA	*79.7*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C7 PFUnA	*69.6*	*cn*	*30 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C8 FOSA	*69.4*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C9 PFNA	*88.4*	*cn*	*40 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*
13C2 PFDoA	*56.6*	*cn*	*10 - 130*	*07/16/25 15:42*	*07/17/25 10:59*	*1*

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2563

Job ID: 410-231761-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	C8PFOA	C8PFOS	PFOSA	C4PFHA	PFPeA	PFTDA	d5NEFOS
Lab Sample ID	Client Sample ID	(8-130)	(40-130)	(40-130)	(40-130)	(40-130)	(35-130)	(20-130)	(40-150)
410-231761-1	B2-4-4.5	72.5	62.8	69.3	59.4	63.2	70.2	40.8	61.4
410-231761-2	B4-Z-3	91.9	80.1	43.6	64.5	84.4	94.9	34.0	53.7
LCS 410-672120/2-A	Lab Control Sample	78.8	77.1	67.8	73.2	79.7	80.3	56.3	74.9
LCSD 410-672120/3-A	Lab Control Sample Dup	83.3	76.4	71.9	69.5	82.0	85.8	54.7	68.6
LLCS 410-672120/4-A	Lab Control Sample	78.3	69.1	72.1	64.1	67.1	77.6	52.0	60.1
MB 410-672120/1-A	Method Blank	79.9	77.2	68.0	68.8	76.7	83.2	54.4	69.4

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		d3NMFOS	M262FTS	M282FTS	C3PFBS	13C5PHA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(40-135)	(40-215)	(40-275)	(40-135)	(40-130)	(40-130)	(40-130)	(40-130)
410-231761-1	B2-4-4.5	62.2	63.6	59.5	63.5	66.4	62.6	62.0	68.0
410-231761-2	B4-Z-3	56.6	78.3	53.8	84.8	89.1	67.3	56.6	46.9
LCS 410-672120/2-A	Lab Control Sample	74.8	83.4	71.9	75.5	81.1	77.7	73.7	71.7
LCSD 410-672120/3-A	Lab Control Sample Dup	70.4	80.9	70.6	80.0	82.4	71.6	74.6	74.9
LLCS 410-672120/4-A	Lab Control Sample	62.3	72.1	58.9	70.6	73.3	63.8	61.5	66.3
MB 410-672120/1-A	Method Blank	72.4	87.2	76.1	81.8	79.7	74.9	74.5	68.9

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		C3PFHS	PFDoA
Lab Sample ID	Client Sample ID	(40-130)	(40-130)
410-231761-1	B2-4-4.5	62.2	61.9
410-231761-2	B4-Z-3	60.9	45.6
LCS 410-672120/2-A	Lab Control Sample	70.5	63.9
LCSD 410-672120/3-A	Lab Control Sample Dup	72.4	73.1
LLCS 410-672120/4-A	Lab Control Sample	66.9	60.1
MB 410-672120/1-A	Method Blank	72.5	71.6

Surrogate Legend

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

Isotope Dilution Summary

Client: Chemtech Consulting Group Inc. Job ID: 410-231761-1
Project/Site: Q2563

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

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	PFTDA	C3PFBS	PFBA	C4PFHA	PFPeA	C8PFOA
Lab Sample ID	Client Sample ID	(40-200)	(40-300)	(10-130)	(40-135)	(5-130)	(40-130)	(40-130)	(40-130)
410-231761-3	B2GW	91.7 cn	84.0 cn	21.7 cn	88.3 cn	88.5 cn	97.3 cn	99.3 cn	86.0 cn
410-231761-4	B4GW	89.0 cn	83.8 cn	49.2 cn	92.1 cn	86.0 cn	78.8 cn	84.8 cn	89.3 cn
LCS 410-672174/2-A	Lab Control Sample	86.5	87.5	70.4	80.9	81.6	85.1	82.2	81.4
LCSD 410-672174/3-A	Lab Control Sample Dup	95.4	95.2	74.9	95.3	90.3	87.8	87.5	90.4
LLCS 410-672174/4-A	Lab Control Sample	92.3	95.2	68.5	97.8	84.9	83.2	85.4	86.5
MB 410-672174/1-A	Method Blank	90.2	89.0	71.3	85.4	83.9	80.0	81.2	84.1

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		C8PFOS	d3NMFOS	d5NEFOS	C3PFHS	13C5PHA	C6PFDA	13C7PUA	PFOSA
Lab Sample ID	Client Sample ID	(40-130)	(40-170)	(25-135)	(40-130)	(40-130)	(40-130)	(30-130)	(40-130)
410-231761-3	B2GW	89.7 cn	87.6 cn	85.5 cn	86.2 cn	95.2 cn	88.0 cn	80.8 cn	85.2 cn
410-231761-4	B4GW	82.6 cn	79.8 cn	78.3 cn	85.9 cn	83.6 cn	79.7 cn	69.6 cn	69.4 cn
LCS 410-672174/2-A	Lab Control Sample	82.8	79.8	81.7	78.3	79.5	79.4	80.9	72.2
LCSD 410-672174/3-A	Lab Control Sample Dup	87.7	87.8	88.6	93.1	88.5	85.4	89.3	77.9
LLCS 410-672174/4-A	Lab Control Sample	87.6	87.4	89.0	87.6	84.3	81.1	78.8	78.3
MB 410-672174/1-A	Method Blank	87.0	80.4	76.1	79.5	79.4	79.4	80.1	72.3

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		C9PFNA	PFDoA
Lab Sample ID	Client Sample ID	(40-130)	(10-130)
410-231761-3	B2GW	91.4 cn	67.0 cn
410-231761-4	B4GW	88.4 cn	56.6 cn
LCS 410-672174/2-A	Lab Control Sample	79.8	78.3
LCSD 410-672174/3-A	Lab Control Sample Dup	90.4	84.8
LLCS 410-672174/4-A	Lab Control Sample	83.9	77.6
MB 410-672174/1-A	Method Blank	86.0	79.1

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
PFDoA = 13C2 PFDoA

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

Lab Sample ID: MB 410-672120/1-A
Matrix: Solid
Analysis Batch: 673355

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		0.40	0.13	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorodecanoic acid	ND		0.20	0.050	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorododecanoic acid	ND		0.20	0.050	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluoroheptanoic acid	ND		0.20	0.070	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorobutanesulfonic acid	ND		0.20	0.070	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorohexanesulfonic acid	ND		0.20	0.050	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorohexanoic acid	ND		0.20	0.060	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluoroheptanesulfonic acid	ND		0.20	0.070	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorononanoic acid	ND		0.20	0.060	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorodecanesulfonic acid	ND		0.20	0.050	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorooctanesulfonic acid	ND		0.20	0.11	ng/g		07/16/25 14:13	07/18/25 21:46	1
6:2 Fluorotelomer sulfonic acid	ND		0.40	0.13	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorooctanoic acid	ND		0.20	0.060	ng/g		07/16/25 14:13	07/18/25 21:46	1
8:2 Fluorotelomer sulfonic acid	ND		0.40	0.13	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluoropentanoic acid	ND		0.20	0.050	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorooctanesulfonamide	ND		0.20	0.090	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorotetradecanoic acid	ND		0.20	0.070	ng/g		07/16/25 14:13	07/18/25 21:46	1
NMeFOSAA	ND		0.20	0.080	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluorotridecanoic acid	ND		0.20	0.070	ng/g		07/16/25 14:13	07/18/25 21:46	1
NEtFOSAA	ND		0.20	0.11	ng/g		07/16/25 14:13	07/18/25 21:46	1
Perfluoroundecanoic acid	ND		0.20	0.050	ng/g		07/16/25 14:13	07/18/25 21:46	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79.9*		*8 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C4 PFHpA	*76.7*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C2 PFTeDA	*54.4*		*20 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C5 PFPeA	*83.2*		*35 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C8 PFOA	*77.2*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C8 PFOS	*68.0*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
d3-NMeFOSAA	*72.4*		*40 - 135*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
M2-6:2 FTS	*87.2*		*40 - 215*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
d5-NEtFOSAA	*69.4*		*40 - 150*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
M2-8:2 FTS	*76.1*		*40 - 275*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C3 PFBS	*81.8*		*40 - 135*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C5 PFHxA	*79.7*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C6 PFDA	*74.5*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C7 PFUnA	*68.9*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C8 FOSA	*68.8*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C3 PFHxS	*72.5*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C9 PFNA	*74.9*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*
13C2 PFDoA	*71.6*		*40 - 130*	*07/16/25 14:13*	*07/18/25 21:46*	*1*

Lab Sample ID: LCS 410-672120/2-A
Matrix: Solid
Analysis Batch: 673355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672120

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid			5.00	4.74		ng/g		95	70 - 140		
Perfluorodecanoic acid			2.50	2.55		ng/g		102	70 - 155		

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

Lab Sample ID: LCS 410-672120/2-A
Matrix: Solid
Analysis Batch: 673355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672120

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorododecanoic acid			2.50	2.57		ng/g		103	70 - 150		
Perfluoroheptanoic acid			2.50	2.24		ng/g		90	65 - 145		
Perfluorobutanesulfonic acid			2.22	2.11		ng/g		95	65 - 145		
Perfluorohexanesulfonic acid			2.28	2.13		ng/g		94	60 - 150		
Perfluorohexanoic acid			2.50	2.38		ng/g		95	65 - 140		
Perfluoroheptanesulfonic acid			2.39	2.30		ng/g		97	65 - 155		
Perfluorononanoic acid			2.50	2.24		ng/g		90	70 - 155		
Perfluorodecanesulfonic acid			2.41	2.14		ng/g		89	40 - 155		
Perfluorooctanesulfonic acid			2.33	2.13		ng/g		92	65 - 160		
6:2 Fluorotelomer sulfonic acid			4.76	4.39		ng/g		92	55 - 200		
Perfluorooctanoic acid			2.50	2.33		ng/g		93	70 - 150		
8:2 Fluorotelomer sulfonic acid			4.80	4.47		ng/g		93	70 - 150		
Perfluoropentanoic acid			2.50	2.38		ng/g		95	60 - 150		
Perfluorooctanesulfonamide			2.50	2.10		ng/g		84	70 - 140		
Perfluorotetradecanoic acid			2.50	2.59		ng/g		104	65 - 150		
NMeFOSAA			2.50	2.30		ng/g		92	65 - 155		
Perfluorotridecanoic acid			2.50	2.58		ng/g		103	65 - 150		
NEtFOSAA			2.50	2.12		ng/g		85	65 - 165		
Perfluoroundecanoic acid			2.50	2.24		ng/g		89	70 - 155		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*78.8*		*8 - 130*
13C4 PFHpA	*79.7*		*40 - 130*
13C2 PFTeDA	*56.3*		*20 - 130*
13C5 PFPeA	*80.3*		*35 - 130*
13C8 PFOA	*77.1*		*40 - 130*
13C8 PFOS	*67.8*		*40 - 130*
d3-NMeFOSAA	*74.8*		*40 - 135*
M2-6:2 FTS	*83.4*		*40 - 215*
d5-NEtFOSAA	*74.9*		*40 - 150*
M2-8:2 FTS	*71.9*		*40 - 275*
13C3 PFBS	*75.5*		*40 - 135*
13C5 PFHxA	*81.1*		*40 - 130*
13C6 PFDA	*73.7*		*40 - 130*
13C7 PFUnA	*71.7*		*40 - 130*
13C8 FOSA	*73.2*		*40 - 130*
13C3 PFHxS	*70.5*		*40 - 130*
13C9 PFNA	*77.7*		*40 - 130*
13C2 PFDoA	*63.9*		*40 - 130*

Lab Sample ID: LCSD 410-672120/3-A
Matrix: Solid
Analysis Batch: 673355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid			5.00	4.79		ng/g		96	70 - 140	1	30
Perfluorodecanoic acid			2.50	2.39		ng/g		96	70 - 155	6	30
Perfluorododecanoic acid			2.50	2.34		ng/g		93	70 - 150	9	30
Perfluoroheptanoic acid			2.50	2.39		ng/g		96	65 - 145	7	30

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

Lab Sample ID: LCSD 410-672120/3-A
Matrix: Solid
Analysis Batch: 673355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanesulfonic acid			2.22	2.10		ng/g		95	65 - 145	0	30
Perfluorohexanesulfonic acid			2.28	2.21		ng/g		97	60 - 150	3	30
Perfluorohexanoic acid			2.50	2.42		ng/g		97	65 - 140	2	30
Perfluoroheptanesulfonic acid			2.39	2.18		ng/g		92	65 - 155	5	30
Perfluorononanoic acid			2.50	2.40		ng/g		96	70 - 155	7	30
Perfluorodecanesulfonic acid			2.41	2.23		ng/g		93	40 - 155	4	30
Perfluorooctanesulfonic acid			2.33	2.16		ng/g		93	65 - 160	2	30
6:2 Fluorotelomer sulfonic acid			4.76	4.40		ng/g		92	55 - 200	0	30
Perfluorooctanoic acid			2.50	2.42		ng/g		97	70 - 150	4	30
8:2 Fluorotelomer sulfonic acid			4.80	4.37		ng/g		91	70 - 150	2	30
Perfluoropentanoic acid			2.50	2.35		ng/g		94	60 - 150	1	30
Perfluorooctanesulfonamide			2.50	2.13		ng/g		85	70 - 140	2	30
Perfluorotetradecanoic acid			2.50	2.73		ng/g		109	65 - 150	5	30
NMeFOSAA			2.50	2.31		ng/g		92	65 - 155	0	30
Perfluorotridecanoic acid			2.50	2.55		ng/g		102	65 - 150	1	30
NEtFOSAA			2.50	2.23		ng/g		89	65 - 165	5	30
Perfluoroundecanoic acid			2.50	2.34		ng/g		94	70 - 155	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*83.3*		*8 - 130*
13C4 PFHpA	*82.0*		*40 - 130*
13C2 PFTeDA	*54.7*		*20 - 130*
13C5 PFPeA	*85.8*		*35 - 130*
13C8 PFOA	*76.4*		*40 - 130*
13C8 PFOS	*71.9*		*40 - 130*
d3-NMeFOSAA	*70.4*		*40 - 135*
M2-6:2 FTS	*80.9*		*40 - 215*
d5-NEtFOSAA	*68.6*		*40 - 150*
M2-8:2 FTS	*70.6*		*40 - 275*
13C3 PFBS	*80.0*		*40 - 135*
13C5 PFHxA	*82.4*		*40 - 130*
13C6 PFDA	*74.6*		*40 - 130*
13C7 PFUnA	*74.9*		*40 - 130*
13C8 FOSA	*69.5*		*40 - 130*
13C3 PFHxS	*72.4*		*40 - 130*
13C9 PFNA	*71.6*		*40 - 130*
13C2 PFDoA	*73.1*		*40 - 130*

Lab Sample ID: LLCS 410-672120/4-A
Matrix: Solid
Analysis Batch: 673355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672120

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid			0.500	0.516		ng/g		103	70 - 140
Perfluorodecanoic acid			0.250	0.281		ng/g		112	70 - 155
Perfluorododecanoic acid			0.250	0.274		ng/g		110	70 - 150
Perfluoroheptanoic acid			0.250	0.297		ng/g		119	65 - 145
Perfluorobutanesulfonic acid			0.222	0.239		ng/g		108	65 - 145
Perfluorohexanesulfonic acid			0.228	0.281		ng/g		123	60 - 150

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

Lab Sample ID: LLCS 410-672120/4-A
Matrix: Solid
Analysis Batch: 673355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672120

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	0.250	0.265		ng/g		106	65 - 140
Perfluoroheptanesulfonic acid	0.239	0.238		ng/g		100	65 - 155
Perfluorononanoic acid	0.250	0.271		ng/g		109	70 - 155
Perfluorodecanesulfonic acid	0.241	0.230		ng/g		95	40 - 155
Perfluorooctanesulfonic acid	0.233	0.277		ng/g		119	65 - 160
6:2 Fluorotelomer sulfonic acid	0.476	0.462		ng/g		97	55 - 200
Perfluorooctanoic acid	0.250	0.295		ng/g		118	70 - 150
8:2 Fluorotelomer sulfonic acid	0.480	0.494		ng/g		103	70 - 150
Perfluoropentanoic acid	0.250	0.264		ng/g		105	60 - 150
Perfluorooctanesulfonamide	0.250	0.259		ng/g		104	70 - 140
Perfluorotetradecanoic acid	0.250	0.319		ng/g		128	65 - 150
NMeFOSAA	0.250	0.252		ng/g		101	65 - 155
Perfluorotridecanoic acid	0.250	0.291		ng/g		116	65 - 150
NEtFOSAA	0.250	0.246		ng/g		98	65 - 165
Perfluoroundecanoic acid	0.250	0.256		ng/g		102	70 - 155

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*78.3*		*8 - 130*
13C4 PFHpA	*67.1*		*40 - 130*
13C2 PFTeDA	*52.0*		*20 - 130*
13C5 PFPeA	*77.6*		*35 - 130*
13C8 PFOA	*69.1*		*40 - 130*
13C8 PFOS	*72.1*		*40 - 130*
d3-NMeFOSAA	*62.3*		*40 - 135*
M2-6:2 FTS	*72.1*		*40 - 215*
d5-NEtFOSAA	*60.1*		*40 - 150*
M2-8:2 FTS	*58.9*		*40 - 275*
13C3 PFBS	*70.6*		*40 - 135*
13C5 PFHxA	*73.3*		*40 - 130*
13C6 PFDA	*61.5*		*40 - 130*
13C7 PFUnA	*66.3*		*40 - 130*
13C8 FOSA	*64.1*		*40 - 130*
13C3 PFHxS	*66.9*		*40 - 130*
13C9 PFNA	*63.8*		*40 - 130*
13C2 PFDoA	*60.1*		*40 - 130*

Lab Sample ID: MB 410-672174/1-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid	ND		4.0	1.1	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorodecanoic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorododecanoic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluoroheptanoic acid	ND		2.0	0.80	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorobutanesulfonic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorohexanesulfonic acid	ND		2.0	0.80	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorohexanoic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluoroheptanesulfonic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1

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

Lab Sample ID: MB 410-672174/1-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorodecanesulfonic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorooctanesulfonic acid	ND		2.0	1.3	ng/L		07/16/25 15:41	07/17/25 09:10	1
6:2 Fluorotelomer sulfonic acid	ND		4.0	1.0	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorooctanoic acid	ND		2.0	0.90	ng/L		07/16/25 15:41	07/17/25 09:10	1
8:2 Fluorotelomer sulfonic acid	ND		4.0	1.0	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluoropentanoic acid	ND		2.0	0.60	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorooctanesulfonamide	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorotetradecanoic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
NMeFOSAA	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluorotridecanoic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
NEtFOSAA	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1
Perfluoroundecanoic acid	ND		2.0	0.50	ng/L		07/16/25 15:41	07/17/25 09:10	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83.9*		*5 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C4 PFHpA	*80.0*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C2 PFTeDA	*71.3*		*10 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C5 PFPeA	*81.2*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C8 PFOA	*84.1*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C8 PFOS	*87.0*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
d3-NMeFOSAA	*80.4*		*40 - 170*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
M2-6:2 FTS	*90.2*		*40 - 200*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
d5-NEtFOSAA	*76.1*		*25 - 135*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
M2-8:2 FTS	*89.0*		*40 - 300*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C3 PFBS	*85.4*		*40 - 135*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C5 PFHxA	*79.4*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C6 PFDA	*79.4*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C7 PFUnA	*80.1*		*30 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C8 FOSA	*72.3*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C3 PFHxS	*79.5*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C9 PFNA	*86.0*		*40 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*
13C2 PFDoA	*79.1*		*10 - 130*	*07/16/25 15:41*	*07/17/25 09:10*	*1*

Lab Sample ID: LCS 410-672174/2-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid	80.0	72.8		ng/L		91	70 - 140
Perfluorodecanoic acid	40.0	38.7		ng/L		97	70 - 140
Perfluorododecanoic acid	40.0	39.8		ng/L		100	70 - 140
Perfluoroheptanoic acid	40.0	33.8		ng/L		85	70 - 150
Perfluorobutanesulfonic acid	35.5	34.6		ng/L		97	60 - 145
Perfluorohexanesulfonic acid	36.5	35.4		ng/L		97	65 - 145
Perfluorohexanoic acid	40.0	34.2		ng/L		85	70 - 145
Perfluoroheptanesulfonic acid	38.2	31.6		ng/L		83	70 - 150
Perfluorononanoic acid	40.0	36.0		ng/L		90	70 - 150
Perfluorodecanesulfonic acid	38.6	31.2		ng/L		81	60 - 145

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

Lab Sample ID: LCS 410-672174/2-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672174

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorooctanesulfonic acid			37.2	31.6		ng/L		85	55 - 150		
6:2 Fluorotelomer sulfonic acid			76.2	68.0		ng/L		89	65 - 155		
Perfluorooctanoic acid			40.0	36.8		ng/L		92	70 - 150		
8:2 Fluorotelomer sulfonic acid			76.8	65.7		ng/L		86	60 - 150		
Perfluoropentanoic acid			40.0	34.5		ng/L		86	65 - 135		
Perfluorooctanesulfonamide			40.0	31.5		ng/L		79	70 - 145		
Perfluorotetradecanoic acid			40.0	36.7		ng/L		92	60 - 140		
NMeFOSAA			40.0	34.0		ng/L		85	50 - 140		
Perfluorotridecanoic acid			40.0	39.6		ng/L		99	65 - 140		
NEtFOSAA			40.0	36.1		ng/L		90	70 - 145		
Perfluoroundecanoic acid			40.0	38.0		ng/L		95	70 - 145		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*81.6*		*5 - 130*
13C4 PFHpA	*85.1*		*40 - 130*
13C2 PFTeDA	*70.4*		*10 - 130*
13C5 PFPeA	*82.2*		*40 - 130*
13C8 PFOA	*81.4*		*40 - 130*
13C8 PFOS	*82.8*		*40 - 130*
d3-NMeFOSAA	*79.8*		*40 - 170*
M2-6:2 FTS	*86.5*		*40 - 200*
d5-NEtFOSAA	*81.7*		*25 - 135*
M2-8:2 FTS	*87.5*		*40 - 300*
13C3 PFBS	*80.9*		*40 - 135*
13C5 PFHxA	*79.5*		*40 - 130*
13C6 PFDA	*79.4*		*40 - 130*
13C7 PFUnA	*80.9*		*30 - 130*
13C8 FOSA	*72.2*		*40 - 130*
13C3 PFHxS	*78.3*		*40 - 130*
13C9 PFNA	*79.8*		*40 - 130*
13C2 PFDoA	*78.3*		*10 - 130*

Lab Sample ID: LCSD 410-672174/3-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672174

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid			80.0	72.9		ng/L		91	70 - 140	0	30
Perfluorodecanoic acid			40.0	38.5		ng/L		96	70 - 140	1	30
Perfluorododecanoic acid			40.0	39.2		ng/L		98	70 - 140	2	30
Perfluoroheptanoic acid			40.0	35.4		ng/L		88	70 - 150	5	30
Perfluorobutanesulfonic acid			35.5	31.2		ng/L		88	60 - 145	10	30
Perfluorohexanesulfonic acid			36.5	32.9		ng/L		90	65 - 145	7	30
Perfluorohexanoic acid			40.0	35.3		ng/L		88	70 - 145	3	30
Perfluoroheptanesulfonic acid			38.2	32.3		ng/L		85	70 - 150	2	30
Perfluorononanoic acid			40.0	35.4		ng/L		89	70 - 150	2	30
Perfluorodecanesulfonic acid			38.6	33.2		ng/L		86	60 - 145	6	30
Perfluorooctanesulfonic acid			37.2	32.1		ng/L		86	55 - 150	2	30
6:2 Fluorotelomer sulfonic acid			76.2	67.6		ng/L		89	65 - 155	1	30

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

Lab Sample ID: LCSD 410-672174/3-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672174

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanoic acid			40.0	35.2		ng/L		88	70 - 150	5	30
8:2 Fluorotelomer sulfonic acid			76.8	65.5		ng/L		85	60 - 150	0	30
Perfluoropentanoic acid			40.0	34.4		ng/L		86	65 - 135	0	30
Perfluorooctanesulfonamide			40.0	31.7		ng/L		79	70 - 145	0	30
Perfluorotetradecanoic acid			40.0	34.3		ng/L		86	60 - 140	7	30
NMeFOSAA			40.0	32.4		ng/L		81	50 - 140	5	30
Perfluorotridecanoic acid			40.0	39.9		ng/L		100	65 - 140	1	30
NEtFOSAA			40.0	34.1		ng/L		85	70 - 145	6	30
Perfluoroundecanoic acid			40.0	36.2		ng/L		90	70 - 145	5	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*90.3*		*5 - 130*
13C4 PFHpA	*87.8*		*40 - 130*
13C2 PFTeDA	*74.9*		*10 - 130*
13C5 PFPeA	*87.5*		*40 - 130*
13C8 PFOA	*90.4*		*40 - 130*
13C8 PFOS	*87.7*		*40 - 130*
d3-NMeFOSAA	*87.8*		*40 - 170*
M2-6:2 FTS	*95.4*		*40 - 200*
d5-NEtFOSAA	*88.6*		*25 - 135*
M2-8:2 FTS	*95.2*		*40 - 300*
13C3 PFBS	*95.3*		*40 - 135*
13C5 PFHxA	*88.5*		*40 - 130*
13C6 PFDA	*85.4*		*40 - 130*
13C7 PFUnA	*89.3*		*30 - 130*
13C8 FOSA	*77.9*		*40 - 130*
13C3 PFHxS	*93.1*		*40 - 130*
13C9 PFNA	*90.4*		*40 - 130*
13C2 PFDoA	*84.8*		*10 - 130*

Lab Sample ID: LLCS 410-672174/4-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672174

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid			8.00	6.84		ng/L		86	70 - 140
Perfluorodecanoic acid			4.00	3.98		ng/L		100	70 - 140
Perfluorododecanoic acid			4.00	4.77		ng/L		119	70 - 140
Perfluoroheptanoic acid			4.00	4.10		ng/L		103	70 - 150
Perfluorobutanesulfonic acid			3.55	3.64		ng/L		103	60 - 145
Perfluorohexanesulfonic acid			3.65	3.86		ng/L		106	65 - 145
Perfluorohexanoic acid			4.00	4.12		ng/L		103	70 - 145
Perfluoroheptanesulfonic acid			3.82	3.85		ng/L		101	70 - 150
Perfluorononanoic acid			4.00	4.03		ng/L		101	70 - 150
Perfluorodecanesulfonic acid			3.86	3.33		ng/L		86	60 - 145
Perfluorooctanesulfonic acid			3.72	3.52		ng/L		95	55 - 150
6:2 Fluorotelomer sulfonic acid			7.62	7.39		ng/L		97	65 - 155
Perfluorooctanoic acid			4.00	3.38		ng/L		84	70 - 150
8:2 Fluorotelomer sulfonic acid			7.68	7.56		ng/L		98	60 - 150

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

Lab Sample ID: LLCS 410-672174/4-A
Matrix: Water
Analysis Batch: 672080

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672174

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoropentanoic acid	4.00	4.13		ng/L		103	65 - 135
Perfluorooctanesulfonamide	4.00	3.89		ng/L		97	70 - 145
Perfluorotetradecanoic acid	4.00	4.11		ng/L		103	60 - 140
NMeFOSAA	4.00	4.11		ng/L		103	50 - 140
Perfluorotridecanoic acid	4.00	4.58		ng/L		115	65 - 140
NEtFOSAA	4.00	3.53		ng/L		88	70 - 145
Perfluoroundecanoic acid	4.00	4.11		ng/L		103	70 - 145

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*84.9*		*5 - 130*
13C4 PFHpA	*83.2*		*40 - 130*
13C2 PFTeDA	*68.5*		*10 - 130*
13C5 PFPeA	*85.4*		*40 - 130*
13C8 PFOA	*86.5*		*40 - 130*
13C8 PFOS	*87.6*		*40 - 130*
d3-NMeFOSAA	*87.4*		*40 - 170*
M2-6:2 FTS	*92.3*		*40 - 200*
d5-NEtFOSAA	*89.0*		*25 - 135*
M2-8:2 FTS	*95.2*		*40 - 300*
13C3 PFBS	*97.8*		*40 - 135*
13C5 PFHxA	*84.3*		*40 - 130*
13C6 PFDA	*81.1*		*40 - 130*
13C7 PFUnA	*78.8*		*30 - 130*
13C8 FOSA	*78.3*		*40 - 130*
13C3 PFHxS	*87.6*		*40 - 130*
13C9 PFNA	*83.9*		*40 - 130*
13C2 PFDoA	*77.6*		*10 - 130*

LCMS

Analysis Batch: 672080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231761-3	B2GW	Total/NA	Water	1633	672174
410-231761-4	B4GW	Total/NA	Water	1633	672174
MB 410-672174/1-A	Method Blank	Total/NA	Water	1633	672174
LCS 410-672174/2-A	Lab Control Sample	Total/NA	Water	1633	672174
LCSD 410-672174/3-A	Lab Control Sample Dup	Total/NA	Water	1633	672174
LLCS 410-672174/4-A	Lab Control Sample	Total/NA	Water	1633	672174

Prep Batch: 672120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231761-1	B2-4-4.5	Total/NA	Solid	1633 Shake	
410-231761-2	B4-Z-3	Total/NA	Solid	1633 Shake	
MB 410-672120/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 410-672120/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LCSD 410-672120/3-A	Lab Control Sample Dup	Total/NA	Solid	1633 Shake	
LLCS 410-672120/4-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Prep Batch: 672174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231761-3	B2GW	Total/NA	Water	1633	
410-231761-4	B4GW	Total/NA	Water	1633	
MB 410-672174/1-A	Method Blank	Total/NA	Water	1633	
LCS 410-672174/2-A	Lab Control Sample	Total/NA	Water	1633	
LCSD 410-672174/3-A	Lab Control Sample Dup	Total/NA	Water	1633	
LLCS 410-672174/4-A	Lab Control Sample	Total/NA	Water	1633	

Analysis Batch: 673355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231761-1	B2-4-4.5	Total/NA	Solid	1633	672120
410-231761-2	B4-Z-3	Total/NA	Solid	1633	672120
MB 410-672120/1-A	Method Blank	Total/NA	Solid	1633	672120
LCS 410-672120/2-A	Lab Control Sample	Total/NA	Solid	1633	672120
LCSD 410-672120/3-A	Lab Control Sample Dup	Total/NA	Solid	1633	672120
LLCS 410-672120/4-A	Lab Control Sample	Total/NA	Solid	1633	672120

General Chemistry

Analysis Batch: 672013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-231761-1	B2-4-4.5	Total/NA	Solid	Moisture	
410-231761-2	B4-Z-3	Total/NA	Solid	Moisture	

Client: Chemtech Consulting Group Inc.
Project/Site: Q2563

Job ID: 410-231761-1

Client Sample ID: B2-4-4.5 — **Lab Sample ID: 410-231761-1**
Date Collected: 07/09/25 10:00 — **Matrix: Solid**
Date Received: 07/11/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	672013	E5GC	ELLE	07/16/25 07:29

Client Sample ID: B2-4-4.5 — **Lab Sample ID: 410-231761-1**
Date Collected: 07/09/25 10:00 — **Matrix: Solid**
Date Received: 07/11/25 09:40 — **Percent Solids: 94.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			672120	D5RZ	ELLE	07/16/25 14:13
Total/NA	Analysis	1633		1	673355	JU9U	ELLE	07/18/25 22:40

Client Sample ID: B4-Z-3 — **Lab Sample ID: 410-231761-2**
Date Collected: 07/09/25 12:15 — **Matrix: Solid**
Date Received: 07/11/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	672013	E5GC	ELLE	07/16/25 07:29

Client Sample ID: B4-Z-3 — **Lab Sample ID: 410-231761-2**
Date Collected: 07/09/25 12:15 — **Matrix: Solid**
Date Received: 07/11/25 09:40 — **Percent Solids: 90.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			672120	D5RZ	ELLE	07/16/25 14:13
Total/NA	Analysis	1633		1	673355	JU9U	ELLE	07/18/25 22:54

Client Sample ID: B2GW — **Lab Sample ID: 410-231761-3**
Date Collected: 07/09/25 11:00 — **Matrix: Water**
Date Received: 07/11/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			672174	Y4GV	ELLE	07/16/25 15:42
Total/NA	Analysis	1633		1	672080	P7EB	ELLE	07/17/25 10:45

Client Sample ID: B4GW — **Lab Sample ID: 410-231761-4**
Date Collected: 07/09/25 12:38 — **Matrix: Water**
Date Received: 07/11/25 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			672174	Y4GV	ELLE	07/16/25 15:42
Total/NA	Analysis	1633		1	672080	P7EB	ELLE	07/17/25 10:59

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: Q2563

Job ID: 410-231761-1

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
1633	1633 Shake	Solid	6:2 Fluorotelomer sulfonic acid
1633	1633 Shake	Solid	Perfluorobutanesulfonic acid
1633	1633 Shake	Solid	Perfluorodecanesulfonic acid
1633	1633 Shake	Solid	Perfluoroheptanesulfonic acid
1633	1633 Shake	Solid	Perfluorohexanesulfonic acid
1633	1633 Shake	Solid	Perfluorooctanesulfonamide
Moisture		Solid	Percent Moisture

Method Summary

Client: Chemtech Consulting Group Inc.
Project/Site: Q2563

Job ID: 410-231761-1

Method	Method Description	Protocol	Laboratory
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	ELLE
Moisture	Percent Moisture	EPA	ELLE
1633	Solid-Phase Extraction (SPE)	EPA	ELLE
1633 Shake	Shake Extraction with 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: Q2563

Job ID: 410-231761-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-231761-1	B2-4-4.5	Solid	07/09/25 10:00	07/11/25 09:40
410-231761-2	B4-Z-3	Solid	07/09/25 12:15	07/11/25 09:40
410-231761-3	B2GW	Water	07/09/25 11:00	07/11/25 09:40
410-231761-4	B4GW	Water	07/09/25 12:38	07/11/25 09:40

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2563
COC Number 2047549

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GEE
ADDRESS: 58 NOKOMIS AVE.
CITY: LK HIAWATHA STATE: NJ ZIP: 07034
ATTENTION: FRANK GALDUN
PHONE: 646.542.3465 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 33 REDERN AVE
PROJECT NO.: LOCATION: INWOOD, NY
PROJECT MANAGER: F GALDUN
e-mail: frankg4@optonline.net
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: SAME AS LEFT
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 5 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

PFAS - NYSDEC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B2 4'-4.5'	SOIL		✓	7/9/25	10:00	1	✓									
2.	B4 2'-3'	SOIL		✓		12:15	1	✓									
3.	B2GW	GW		✓		11:00	1	✓									
4.	B4GW	GW		✓		12:38	1	✓									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	7/10/25 1140	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: ANALYZE FOR THOSE SUBSTANCE TARGETED BY NYSDEC
1st Cont #1

Page 1 of 1

CLIENT: ☑ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

410-231761 Chain of Custody

TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
WWW.CHEMTECH.NET

CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION
COMPANY : EUROFINS Lancaster Laboratories	ORDER ID : Q2563		BILL TO: CHEMTECH PO# : Q2563
ADDRESS : 2425 New Holland Pike	PROJECT ID:33 Redfern Ave., Inwood, 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 :** PFAS - NYSDEC. PFA analytes NYSDEC list of 21 PFOS/PFOA compounds required

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	TAT DAYS
01	B2-4-4.5	Solid	Wet Group1	Cool 4 deg C	Chemtech -SOP	07/09/2025	10:00:00	1	5
02	B4-Z-3	Solid	Wet Group1	Cool 4 deg C	Chemtech -SOP	07/09/2025	12:15:00	1	5
03	B2GW	Water	Wet Chem Group1	1:1 HNO3 to pH < 2	Cal	07/09/2025	11:00:00	1	5
04	B4GW	Water	Wet Chem Group1	1:1 HNO3 to pH < 2	Cal	07/09/2025	12:38:00	1	5

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

R: 4.4

RELINQUISHED BY SAMPLER: 1.	DATETIME: 7/10/25	RECEIVED BY: 1.	Conditions of bottles or Coolers at receipt: ☐ Compliant ☐ Non Compliant	Cooler Temp C: 4.2 Ice or Cooler?
RELINQUISHED BY: 2.	DATETIME:	RECEIVED BY: 2.		
RELINQUISHED BY: 3.	DATETIME:	RECEIVED BY: 3. 7/11/25 0940	☐ OVERNIGHT ☐ OVERNIGHT	Shipment Complete: ☐ YES ☐ NO

SF

Page 1 of 1

Login Sample Receipt Checklist

Client: Chemtech Consulting Group Inc.

Job Number: 410-231761-1

Login Number: 231761

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Fuehrer, Stephanie

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.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
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	