



ANALYTICAL REPORT

PREPARED FOR

Attn: Jonathan Dippert
CT Male Associates DPC
50 Century Hill Dr
Latham, New York 12110

Generated 5/16/2024 8:08:24 AM

JOB DESCRIPTION

Hoosick Falls WTP
HOO

JOB NUMBER

410-170419-1

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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Definitions/Glossary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: CT Male Associates DPC
Project: Hoosick Falls WTP

Job ID: 410-170419-1

Job ID: 410-170419-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-170419-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 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 5/3/2024 9:50 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 0.9°C.

PFAS

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

Detection Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-170419-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.8		1.7	ng/L	1		537 (Mod)	Total/NA
Perfluorooctanesulfonamide	2.1		1.7	ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.8		1.7	ng/L	1		537 (Mod)	Total/NA
Perfluoroheptanoic acid	9.6		1.7	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanoic acid	8.4		1.7	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.1		1.7	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid - DL	390		17	ng/L	10		EPA 537.1	Total/NA

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-170419-2

No Detections.

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-170419-3

No Detections.

Client Sample ID: LTBO1-240502

Lab Sample ID: 410-170419-4

No Detections.

Client Sample ID: FTB01-240502

Lab Sample ID: 410-170419-5

No Detections.

Client Sample ID: PV-2 75

Lab Sample ID: 410-170419-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.8		1.7	ng/L	1		537 (Mod)	Total/NA

Client Sample ID: PV-2 50

Lab Sample ID: 410-170419-7

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	7.4		1.6	ng/L	1		537 (Mod)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-170419-1

Date Collected: 05/02/24 10:05

Matrix: Water

Date Received: 05/03/24 09:50

Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:14	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:14	1
Perfluorobutanoic acid	3.8		1.7	ng/L		05/07/24 06:46	05/10/24 05:14	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:14	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:14	1
Perfluorooctanesulfonamide	2.1		1.7	ng/L		05/07/24 06:46	05/10/24 05:14	1
Perfluoropentanoic acid	2.8		1.7	ng/L		05/07/24 06:46	05/10/24 05:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	74		40 - 200	05/07/24 06:46	05/10/24 05:14	1
M2-8:2 FTS	76		37 - 200	05/07/24 06:46	05/10/24 05:14	1
13C4 PFBA	74		22 - 174	05/07/24 06:46	05/10/24 05:14	1
13C5 PFPeA	68		33 - 196	05/07/24 06:46	05/10/24 05:14	1
13C8 PFOS	73		59 - 155	05/07/24 06:46	05/10/24 05:14	1
13C8 FOSA	60		10 - 155	05/07/24 06:46	05/10/24 05:14	1
13C3 PFHxS	74		48 - 169	05/07/24 06:46	05/10/24 05:14	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
NMeFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluoroheptanoic acid	9.6		1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorohexanoic acid	8.4		1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorooctanesulfonic acid	3.1		1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	114		70 - 130	05/06/24 14:49	05/10/24 02:37	1
13C2 PFHxA	105		70 - 130	05/06/24 14:49	05/10/24 02:37	1
d5-NEtFOSAA	98		70 - 130	05/06/24 14:49	05/10/24 02:37	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	390		17	ng/L		05/06/24 14:49	05/10/24 16:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	101		70 - 130	05/06/24 14:49	05/10/24 16:59	10
13C2 PFHxA	91		70 - 130	05/06/24 14:49	05/10/24 16:59	10
d5-NEtFOSAA	92		70 - 130	05/06/24 14:49	05/10/24 16:59	10

Client Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-170419-2

Date Collected: 05/02/24 10:15

Matrix: Water

Date Received: 05/03/24 09:50

Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:27	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:27	1
Perfluorobutanoic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:27	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:27	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:27	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:27	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:27	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	68		40 - 200	05/07/24 06:46	05/10/24 05:27	1
M2-8:2 FTS	77		37 - 200	05/07/24 06:46	05/10/24 05:27	1
13C4 PFBA	73		22 - 174	05/07/24 06:46	05/10/24 05:27	1
13C5 PFPeA	71		33 - 196	05/07/24 06:46	05/10/24 05:27	1
13C8 PFOS	76		59 - 155	05/07/24 06:46	05/10/24 05:27	1
13C8 FOSA	63		10 - 155	05/07/24 06:46	05/10/24 05:27	1
13C3 PFHxS	69		48 - 169	05/07/24 06:46	05/10/24 05:27	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
NMeFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 02:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	93		70 - 130	05/06/24 14:49	05/10/24 02:48	1
13C2 PFHxA	90		70 - 130	05/06/24 14:49	05/10/24 02:48	1
d5-NEtFOSAA	93		70 - 130	05/06/24 14:49	05/10/24 02:48	1

Client Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-170419-3

Date Collected: 05/02/24 10:25

Matrix: Water

Date Received: 05/03/24 09:50

Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:40	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:40	1
Perfluorobutanoic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:40	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:40	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:40	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:40	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 05:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	76		40 - 200	05/07/24 06:46	05/10/24 05:40	1
M2-8:2 FTS	82		37 - 200	05/07/24 06:46	05/10/24 05:40	1
13C4 PFBA	81		22 - 174	05/07/24 06:46	05/10/24 05:40	1
13C5 PFPeA	76		33 - 196	05/07/24 06:46	05/10/24 05:40	1
13C8 PFOS	81		59 - 155	05/07/24 06:46	05/10/24 05:40	1
13C8 FOSA	66		10 - 155	05/07/24 06:46	05/10/24 05:40	1
13C3 PFHxS	74		48 - 169	05/07/24 06:46	05/10/24 05:40	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
NMeFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	95		70 - 130	05/06/24 14:49	05/10/24 17:11	1
13C2 PFHxA	82		70 - 130	05/06/24 14:49	05/10/24 17:11	1
d5-NEtFOSAA	92		70 - 130	05/06/24 14:49	05/10/24 17:11	1

Client Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: LTBO1-240502

Lab Sample ID: 410-170419-4

Date Collected: 05/02/24 00:00

Matrix: Water

Date Received: 05/03/24 09:50

Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 05:52	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 05:52	1
Perfluorobutanoic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 05:52	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 05:52	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 05:52	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 05:52	1
Perfluoropentanoic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 05:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	78		40 - 200	05/07/24 06:46	05/10/24 05:52	1
M2-8:2 FTS	74		37 - 200	05/07/24 06:46	05/10/24 05:52	1
13C4 PFBA	61		22 - 174	05/07/24 06:46	05/10/24 05:52	1
13C5 PFPeA	74		33 - 196	05/07/24 06:46	05/10/24 05:52	1
13C8 PFOS	76		59 - 155	05/07/24 06:46	05/10/24 05:52	1
13C8 FOSA	61		10 - 155	05/07/24 06:46	05/10/24 05:52	1
13C3 PFHxS	69		48 - 169	05/07/24 06:46	05/10/24 05:52	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
NMeFOSAA	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorobutanesulfonic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorodecanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorododecanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluoroheptanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorohexanesulfonic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorohexanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorononanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorooctanesulfonic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorooctanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorotetradecanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluorotridecanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1
Perfluoroundecanoic acid	1.9	U	1.9	ng/L		05/06/24 14:49	05/10/24 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	92		70 - 130	05/06/24 14:49	05/10/24 03:11	1
13C2 PFHxA	79		70 - 130	05/06/24 14:49	05/10/24 03:11	1
d5-NEtFOSAA	87		70 - 130	05/06/24 14:49	05/10/24 03:11	1

Client Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: FTB01-240502

Lab Sample ID: 410-170419-5

Date Collected: 05/02/24 10:55

Matrix: Water

Date Received: 05/03/24 09:50

Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 06:17	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 06:17	1
Perfluorobutanoic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 06:17	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 06:17	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 06:17	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 06:17	1
Perfluoropentanoic acid	1.8	U	1.8	ng/L		05/07/24 06:46	05/10/24 06:17	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	69		40 - 200	05/07/24 06:46	05/10/24 06:17	1
M2-8:2 FTS	71		37 - 200	05/07/24 06:46	05/10/24 06:17	1
13C4 PFBA	68		22 - 174	05/07/24 06:46	05/10/24 06:17	1
13C5 PFPeA	69		33 - 196	05/07/24 06:46	05/10/24 06:17	1
13C8 PFOS	74		59 - 155	05/07/24 06:46	05/10/24 06:17	1
13C8 FOSA	61		10 - 155	05/07/24 06:46	05/10/24 06:17	1
13C3 PFHxS	63		48 - 169	05/07/24 06:46	05/10/24 06:17	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
NMeFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	92		70 - 130	05/06/24 14:49	05/10/24 03:34	1
13C2 PFHxA	73		70 - 130	05/06/24 14:49	05/10/24 03:34	1
d5-NEtFOSAA	88		70 - 130	05/06/24 14:49	05/10/24 03:34	1

Client Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: PV-2 75

Lab Sample ID: 410-170419-6

Date Collected: 05/02/24 10:30

Matrix: Water

Date Received: 05/03/24 09:50

Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 06:30	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 06:30	1
Perfluorobutanoic acid	3.8		1.7	ng/L		05/07/24 06:46	05/10/24 06:30	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 06:30	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 06:30	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 06:30	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		05/07/24 06:46	05/10/24 06:30	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	73		40 - 200	05/07/24 06:46	05/10/24 06:30	1
M2-8:2 FTS	78		37 - 200	05/07/24 06:46	05/10/24 06:30	1
13C4 PFBA	73		22 - 174	05/07/24 06:46	05/10/24 06:30	1
13C5 PFPeA	72		33 - 196	05/07/24 06:46	05/10/24 06:30	1
13C8 PFOS	79		59 - 155	05/07/24 06:46	05/10/24 06:30	1
13C8 FOSA	66		10 - 155	05/07/24 06:46	05/10/24 06:30	1
13C3 PFHxS	69		48 - 169	05/07/24 06:46	05/10/24 06:30	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
NMeFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	95		70 - 130	05/06/24 14:49	05/10/24 03:46	1
13C2 PFHxA	82		70 - 130	05/06/24 14:49	05/10/24 03:46	1
d5-NEtFOSAA	83		70 - 130	05/06/24 14:49	05/10/24 03:46	1

Client Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: PV-2 50

Lab Sample ID: 410-170419-7

Date Collected: 05/02/24 10:40

Matrix: Water

Date Received: 05/03/24 09:50

Method: EPA 537 (Mod) - EPA 537 Version 1.1 modified

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	1.6	U	1.6	ng/L		05/07/24 06:46	05/10/24 06:42	1
8:2 Fluorotelomer sulfonic acid	1.6	U	1.6	ng/L		05/07/24 06:46	05/10/24 06:42	1
Perfluorobutanoic acid	7.4		1.6	ng/L		05/07/24 06:46	05/10/24 06:42	1
Perfluorodecanesulfonic acid	1.6	U	1.6	ng/L		05/07/24 06:46	05/10/24 06:42	1
Perfluoroheptanesulfonic acid	1.6	U	1.6	ng/L		05/07/24 06:46	05/10/24 06:42	1
Perfluorooctanesulfonamide	1.6	U	1.6	ng/L		05/07/24 06:46	05/10/24 06:42	1
Perfluoropentanoic acid	1.6	U	1.6	ng/L		05/07/24 06:46	05/10/24 06:42	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	66		40 - 200	05/07/24 06:46	05/10/24 06:42	1
M2-8:2 FTS	72		37 - 200	05/07/24 06:46	05/10/24 06:42	1
13C4 PFBA	71		22 - 174	05/07/24 06:46	05/10/24 06:42	1
13C5 PFPeA	72		33 - 196	05/07/24 06:46	05/10/24 06:42	1
13C8 PFOS	72		59 - 155	05/07/24 06:46	05/10/24 06:42	1
13C8 FOSA	64		10 - 155	05/07/24 06:46	05/10/24 06:42	1
13C3 PFHxS	67		48 - 169	05/07/24 06:46	05/10/24 06:42	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
NMeFOSAA	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		05/06/24 14:49	05/10/24 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	96		70 - 130	05/06/24 14:49	05/10/24 03:57	1
13C2 PFHxA	80		70 - 130	05/06/24 14:49	05/10/24 03:57	1
d5-NEtFOSAA	96		70 - 130	05/06/24 14:49	05/10/24 03:57	1

Surrogate Summary

Client: CT Male Associates DPC
 Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
 SDG: HOO

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		PFDA (70-130)	PFHxA (70-130)	d5NEFOS (70-130)
410-170419-1	GAC INFLUENT	114	105	98
410-170419-1 - DL	GAC INFLUENT	101	91	92
410-170419-2	GAC MIDFLUENT	93	90	93
410-170419-3	GAC EFFLUENT	95	82	92
410-170419-4	LTBO1-240502	92	79	87
410-170419-5	FTB01-240502	92	73	88
410-170419-6	PV-2 75	95	82	83
410-170419-7	PV-2 50	96	80	96
LCS 410-502626/2-A	Lab Control Sample	105	81	99
LCSD 410-502626/3-A	Lab Control Sample Dup	98	76	91
MB 410-502626/1-A	Method Blank	91	78	89

Surrogate Legend

PFDA = 13C2 PFDA

PFHxA = 13C2 PFHxA

d5NEFOS = d5-NEtFOSAA



Isotope Dilution Summary

Client: CT Male Associates DPC
 Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
 SDG: HOO

Method: 537 (Mod) - EPA 537 Version 1.1 modified

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)						
		M262FTS (40-200)	M282FTS (37-200)	PFBA (22-174)	PFPeA (33-196)	C8PFOS (59-155)	PFOSA (10-155)	C3PFHS (48-169)
410-170419-1	GAC INFLUENT	74	76	74	68	73	60	74
410-170419-2	GAC MIDFLUENT	68	77	73	71	76	63	69
410-170419-3	GAC EFFLUENT	76	82	81	76	81	66	74
410-170419-4	LTBO1-240502	78	74	61	74	76	61	69
410-170419-5	FTB01-240502	69	71	68	69	74	61	63
410-170419-6	PV-2 75	73	78	73	72	79	66	69
410-170419-7	PV-2 50	66	72	71	72	72	64	67
LCS 410-502832/2-A	Lab Control Sample	69	66	73	68	74	57	67
LCSD 410-502832/3-A	Lab Control Sample Dup	60	62	63	60	62	50	58
MB 410-502832/1-A	Method Blank	74	74	83	82	82	66	74

Surrogate Legend

- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- C8PFOS = 13C8 PFOS
- PFOSA = 13C8 FOSA
- C3PFHS = 13C3 PFHxS

QC Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Method: 537 (Mod) - EPA 537 Version 1.1 modified

Lab Sample ID: MB 410-502832/1-A
Matrix: Water
Analysis Batch: 504665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 502832

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
6:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		05/07/24 06:46	05/10/24 16:34	1
8:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		05/07/24 06:46	05/10/24 16:34	1
Perfluorobutanoic acid	2.0	U	2.0	ng/L		05/07/24 06:46	05/10/24 16:34	1
Perfluorodecanesulfonic acid	2.0	U	2.0	ng/L		05/07/24 06:46	05/10/24 16:34	1
Perfluoroheptanesulfonic acid	2.0	U	2.0	ng/L		05/07/24 06:46	05/10/24 16:34	1
Perfluorooctanesulfonamide	2.0	U	2.0	ng/L		05/07/24 06:46	05/10/24 16:34	1
Perfluoropentanoic acid	2.0	U	2.0	ng/L		05/07/24 06:46	05/10/24 16:34	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
M2-6:2 FTS	74		40 - 200	05/07/24 06:46	05/10/24 16:34	1
M2-8:2 FTS	74		37 - 200	05/07/24 06:46	05/10/24 16:34	1
13C4 PFBA	83		22 - 174	05/07/24 06:46	05/10/24 16:34	1
13C5 PFPeA	82		33 - 196	05/07/24 06:46	05/10/24 16:34	1
13C8 PFOS	82		59 - 155	05/07/24 06:46	05/10/24 16:34	1
13C8 FOSA	66		10 - 155	05/07/24 06:46	05/10/24 16:34	1
13C3 PFHxS	74		48 - 169	05/07/24 06:46	05/10/24 16:34	1

Lab Sample ID: LCS 410-502832/2-A
Matrix: Water
Analysis Batch: 504416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 502832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
8:2 Fluorotelomer sulfonic acid	24.5	25.7		ng/L		105	55 - 134
Perfluorobutanoic acid	25.6	25.9		ng/L		101	58 - 130
Perfluorodecanesulfonic acid	24.7	24.7		ng/L		100	55 - 130
Perfluoroheptanesulfonic acid	24.4	26.0		ng/L		107	59 - 130
Perfluorooctanesulfonamide	25.6	29.4		ng/L		115	67 - 132
Perfluoropentanoic acid	25.6	28.6		ng/L		112	60 - 130

Isotope Dilution	LCS	LCS	Limits
	%Recovery	Qualifier	
M2-6:2 FTS	69		40 - 200
M2-8:2 FTS	66		37 - 200
13C4 PFBA	73		22 - 174
13C5 PFPeA	68		33 - 196
13C8 PFOS	74		59 - 155
13C8 FOSA	57		10 - 155
13C3 PFHxS	67		48 - 169

Lab Sample ID: LCSD 410-502832/3-A
Matrix: Water
Analysis Batch: 504416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 502832

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
6:2 Fluorotelomer sulfonic acid	24.3	26.0		ng/L		107	61 - 132	4	30
8:2 Fluorotelomer sulfonic acid	24.5	24.8		ng/L		101	55 - 134	4	30
Perfluorobutanoic acid	25.6	25.3		ng/L		99	58 - 130	3	30
Perfluorodecanesulfonic acid	24.7	24.6		ng/L		100	55 - 130	1	30
Perfluoroheptanesulfonic acid	24.4	25.7		ng/L		105	59 - 130	1	30

QC Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Method: 537 (Mod) - EPA 537 Version 1.1 modified (Continued)

Lab Sample ID: LCSD 410-502832/3-A
Matrix: Water
Analysis Batch: 504416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 502832

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonamide	25.6	29.1		ng/L		114	67 - 132	1	30
Perfluoropentanoic acid	25.6	29.3		ng/L		114	60 - 130	2	30
LCSD LCSD									
Isotope Dilution	%Recovery	Qualifier	Limits						
M2-6:2 FTS	60		40 - 200						
M2-8:2 FTS	62		37 - 200						
13C4 PFBA	63		22 - 174						
13C5 PFPeA	60		33 - 196						
13C8 PFOS	62		59 - 155						
13C8 FOSA	50		10 - 155						
13C3 PFHxS	58		48 - 169						

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Lab Sample ID: MB 410-502626/1-A
Matrix: Water
Analysis Batch: 504407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 502626

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
NEtFOSAA	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
NMeFOSAA	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorodecanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorododecanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorohexanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorononanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorooctanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		05/06/24 14:49	05/10/24 00:30	1	
MB MB									
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
13C2 PFDA	91		70 - 130			05/06/24 14:49	05/10/24 00:30	1	
13C2 PFHxA	78		70 - 130			05/06/24 14:49	05/10/24 00:30	1	
d5-NEtFOSAA	89		70 - 130			05/06/24 14:49	05/10/24 00:30	1	

Lab Sample ID: LCS 410-502626/2-A
Matrix: Water
Analysis Batch: 504407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 502626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	20.5	19.6		ng/L		96	70 - 130
NMeFOSAA	20.5	19.0		ng/L		93	70 - 130
Perfluorobutanesulfonic acid	18.1	13.7		ng/L		76	70 - 130
Perfluorodecanoic acid	20.5	18.2		ng/L		89	70 - 130
Perfluorododecanoic acid	20.5	17.3		ng/L		84	70 - 130

QC Sample Results

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LCS 410-502626/2-A

Matrix: Water

Analysis Batch: 504407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 502626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Perfluoroheptanoic acid	20.5	19.3		ng/L		94	70 - 130	
Perfluorohexanesulfonic acid	18.7	17.0		ng/L		91	70 - 130	
Perfluorohexanoic acid	20.5	17.4		ng/L		85	70 - 130	
Perfluorononanoic acid	20.5	19.5		ng/L		95	70 - 130	
Perfluorooctanesulfonic acid	19.0	17.5		ng/L		92	70 - 130	
Perfluorooctanoic acid	20.5	18.8		ng/L		92	70 - 130	
Perfluorotetradecanoic acid	20.5	18.2		ng/L		89	70 - 130	
Perfluorotridecanoic acid	20.5	19.1		ng/L		93	70 - 130	
Perfluoroundecanoic acid	20.5	20.0		ng/L		98	70 - 130	

Surrogate	LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	105		70 - 130
13C2 PFHxA	81		70 - 130
d5-NEtFOSAA	99		70 - 130

Lab Sample ID: LCSD 410-502626/3-A

Matrix: Water

Analysis Batch: 504407

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 502626

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits		RPD	Limit
NEtFOSAA	20.5	17.9		ng/L		88	70 - 130		9	30
NMeFOSAA	20.5	20.4		ng/L		99	70 - 130		7	30
Perfluorobutanesulfonic acid	18.1	14.1		ng/L		78	70 - 130		3	30
Perfluorodecanoic acid	20.5	19.7		ng/L		96	70 - 130		8	30
Perfluorododecanoic acid	20.5	18.7		ng/L		91	70 - 130		8	30
Perfluoroheptanoic acid	20.5	17.9		ng/L		87	70 - 130		8	30
Perfluorohexanesulfonic acid	18.7	16.9		ng/L		91	70 - 130		0	30
Perfluorohexanoic acid	20.5	16.5		ng/L		80	70 - 130		5	30
Perfluorononanoic acid	20.5	20.8		ng/L		101	70 - 130		6	30
Perfluorooctanesulfonic acid	19.0	17.2		ng/L		91	70 - 130		2	30
Perfluorooctanoic acid	20.5	19.5		ng/L		95	70 - 130		4	30
Perfluorotetradecanoic acid	20.5	18.6		ng/L		91	70 - 130		2	30
Perfluorotridecanoic acid	20.5	20.0		ng/L		98	70 - 130		4	30
Perfluoroundecanoic acid	20.5	19.8		ng/L		96	70 - 130		1	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	98		70 - 130
13C2 PFHxA	76		70 - 130
d5-NEtFOSAA	91		70 - 130

QC Association Summary

Client: CT Male Associates DPC
 Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
 SDG: HOO

LCMS

Prep Batch: 502626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-170419-1	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-170419-1 - DL	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-170419-2	GAC MIDFLUENT	Total/NA	Water	537.1 DW Prep	
410-170419-3	GAC EFFLUENT	Total/NA	Water	537.1 DW Prep	
410-170419-4	LTBO1-240502	Total/NA	Water	537.1 DW Prep	
410-170419-5	FTB01-240502	Total/NA	Water	537.1 DW Prep	
410-170419-6	PV-2 75	Total/NA	Water	537.1 DW Prep	
410-170419-7	PV-2 50	Total/NA	Water	537.1 DW Prep	
MB 410-502626/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-502626/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	
LCSD 410-502626/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW Prep	

Prep Batch: 502832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-170419-1	GAC INFLUENT	Total/NA	Water	SPE	
410-170419-2	GAC MIDFLUENT	Total/NA	Water	SPE	
410-170419-3	GAC EFFLUENT	Total/NA	Water	SPE	
410-170419-4	LTBO1-240502	Total/NA	Water	SPE	
410-170419-5	FTB01-240502	Total/NA	Water	SPE	
410-170419-6	PV-2 75	Total/NA	Water	SPE	
410-170419-7	PV-2 50	Total/NA	Water	SPE	
MB 410-502832/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-502832/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-502832/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 504407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-170419-1	GAC INFLUENT	Total/NA	Water	EPA 537.1	502626
410-170419-2	GAC MIDFLUENT	Total/NA	Water	EPA 537.1	502626
410-170419-4	LTBO1-240502	Total/NA	Water	EPA 537.1	502626
410-170419-5	FTB01-240502	Total/NA	Water	EPA 537.1	502626
410-170419-6	PV-2 75	Total/NA	Water	EPA 537.1	502626
410-170419-7	PV-2 50	Total/NA	Water	EPA 537.1	502626
MB 410-502626/1-A	Method Blank	Total/NA	Water	EPA 537.1	502626
LCS 410-502626/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	502626
LCSD 410-502626/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537.1	502626

Analysis Batch: 504416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-170419-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	502832
410-170419-2	GAC MIDFLUENT	Total/NA	Water	537 (Mod)	502832
410-170419-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	502832
410-170419-4	LTBO1-240502	Total/NA	Water	537 (Mod)	502832
410-170419-5	FTB01-240502	Total/NA	Water	537 (Mod)	502832
410-170419-6	PV-2 75	Total/NA	Water	537 (Mod)	502832
410-170419-7	PV-2 50	Total/NA	Water	537 (Mod)	502832
LCS 410-502832/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	502832
LCSD 410-502832/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	502832

QC Association Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

LCMS

Analysis Batch: 504665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-502832/1-A	Method Blank	Total/NA	Water	537 (Mod)	502832

Analysis Batch: 504809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-170419-1 - DL	GAC INFLUENT	Total/NA	Water	EPA 537.1	502626
410-170419-3	GAC EFFLUENT	Total/NA	Water	EPA 537.1	502626

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Lab Chronicle

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-170419-1

Date Collected: 05/02/24 10:05

Matrix: Water

Date Received: 05/03/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			502832	M4QQ	ELLE	05/07/24 06:46
Total/NA	Analysis	537 (Mod)		1	504416	R7RE	ELLE	05/10/24 05:14
Total/NA	Prep	537.1 DW Prep			502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1		1	504407	QD9Y	ELLE	05/10/24 02:37
Total/NA	Prep	537.1 DW Prep	DL		502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1	DL	10	504809	QD9Y	ELLE	05/10/24 16:59

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-170419-2

Date Collected: 05/02/24 10:15

Matrix: Water

Date Received: 05/03/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			502832	M4QQ	ELLE	05/07/24 06:46
Total/NA	Analysis	537 (Mod)		1	504416	R7RE	ELLE	05/10/24 05:27
Total/NA	Prep	537.1 DW Prep			502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1		1	504407	QD9Y	ELLE	05/10/24 02:48

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-170419-3

Date Collected: 05/02/24 10:25

Matrix: Water

Date Received: 05/03/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			502832	M4QQ	ELLE	05/07/24 06:46
Total/NA	Analysis	537 (Mod)		1	504416	R7RE	ELLE	05/10/24 05:40
Total/NA	Prep	537.1 DW Prep			502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1		1	504809	QD9Y	ELLE	05/10/24 17:11

Client Sample ID: LTBO1-240502

Lab Sample ID: 410-170419-4

Date Collected: 05/02/24 00:00

Matrix: Water

Date Received: 05/03/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			502832	M4QQ	ELLE	05/07/24 06:46
Total/NA	Analysis	537 (Mod)		1	504416	R7RE	ELLE	05/10/24 05:52
Total/NA	Prep	537.1 DW Prep			502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1		1	504407	QD9Y	ELLE	05/10/24 03:11

Client Sample ID: FTB01-240502

Lab Sample ID: 410-170419-5

Date Collected: 05/02/24 10:55

Matrix: Water

Date Received: 05/03/24 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			502832	M4QQ	ELLE	05/07/24 06:46
Total/NA	Analysis	537 (Mod)		1	504416	R7RE	ELLE	05/10/24 06:17
Total/NA	Prep	537.1 DW Prep			502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1		1	504407	QD9Y	ELLE	05/10/24 03:34

Lab Chronicle

Client: CT Male Associates DPC
 Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
 SDG: HOO

Client Sample ID: PV-2 75
Date Collected: 05/02/24 10:30
Date Received: 05/03/24 09:50

Lab Sample ID: 410-170419-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			502832	M4QQ	ELLE	05/07/24 06:46
Total/NA	Analysis	537 (Mod)		1	504416	R7RE	ELLE	05/10/24 06:30
Total/NA	Prep	537.1 DW Prep			502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1		1	504407	QD9Y	ELLE	05/10/24 03:46

Client Sample ID: PV-2 50
Date Collected: 05/02/24 10:40
Date Received: 05/03/24 09:50

Lab Sample ID: 410-170419-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			502832	M4QQ	ELLE	05/07/24 06:46
Total/NA	Analysis	537 (Mod)		1	504416	R7RE	ELLE	05/10/24 06:42
Total/NA	Prep	537.1 DW Prep			502626	CJP6	ELLE	05/06/24 14:49
Total/NA	Analysis	EPA 537.1		1	504407	QD9Y	ELLE	05/10/24 03:57

Laboratory References:

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



Accreditation/Certification Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

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	04-01-25

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
537 (Mod)	SPE	Water	6:2 Fluorotelomer sulfonic acid
537 (Mod)	SPE	Water	8:2 Fluorotelomer sulfonic acid
537 (Mod)	SPE	Water	Perfluorobutanoic acid
537 (Mod)	SPE	Water	Perfluorodecanesulfonic acid
537 (Mod)	SPE	Water	Perfluoroheptanesulfonic acid
537 (Mod)	SPE	Water	Perfluorooctanesulfonamide
537 (Mod)	SPE	Water	Perfluoropentanoic acid



Method Summary

Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Method	Method Description	Protocol	Laboratory
537 (Mod)	EPA 537 Version 1.1 modified	EPA	ELLE
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
537.1 DW Prep	Extraction of Perfluorinated Alkyl Acids	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: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-170419-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-170419-1	GAC INFLUENT	Water	05/02/24 10:05	05/03/24 09:50
410-170419-2	GAC MIDFLUENT	Water	05/02/24 10:15	05/03/24 09:50
410-170419-3	GAC EFFLUENT	Water	05/02/24 10:25	05/03/24 09:50
410-170419-4	LTBO1-240502	Water	05/02/24 00:00	05/03/24 09:50
410-170419-5	FTB01-240502	Water	05/02/24 10:55	05/03/24 09:50
410-170419-6	PV-2 75	Water	05/02/24 10:30	05/03/24 09:50
410-170419-7	PV-2 50	Water	05/02/24 10:40	05/03/24 09:50

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410-170419 Chain of Custody

, LLC

Chain of Custody Record



Environment Testing America

Sampler: Carter Benoit		Lab PM Gallagher, Kelly		Carrier Tracking No(s):		COC No:									
Phone 518-786-7400		E-Mail: kelly.gallagher@eurofinsus.com		State of Origin: NY		Page: 1 of 1									
Johnathan Dippert, Nancy Garry Company: C.T. Male Associates DPC Address: 50 Century Hill Dr City: Latham State, Zip: New York 12110 Phone: 518-786-7400 Email: j.dippert@ctmale.com n.garry@ctmale.com Project Name: Hoosick Falls WTP Site: Hoosick Falls WTP 14.4756				PWSID:		Job #:									
Due Date Requested:				Analysis Requested											
TAT Requested (days): Standard															
Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No															
PO #:															
WO #:				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other: Y - Trizma											
Sample Identification		Sample Date	Sample Time					Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	PFC_IDA - (MOD) 7 PFAS Compounds	537_DW-14 PFAS Drinking Water List	Total Number of Containers	Special Instructions/Note:
Preservation Code:															
GAC INFLUENT		5/2/24	10:05					G	W	N	N	X	X	8	QA/QC Here
GAC MIDFLUENT		5/2/24	10:15					G	W	N	N	X	X	4	
GAC EFFLUENT		5/2/24	10:25					G	W	N	N	X	X	4	
LTBO1-240502		5/2/24	---					G	W	N	N	X	X	4	
FTB01-240502		5/2/24	10:55					G	W	N	N	X	X	4	
PV-2 75		5/2/24	10:30					G	W	N	N	X	X	4	
PV-2 50		5/2/24	10:40					G	W	N	N	X	X	4	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)				EQUIS 1 File, ASP-B		Special Instructions/QC Requirements:									
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:									
Relinquished by: <i>[Signature]</i>		Date/Time: 5/2/2024 18:00		Company: CPM		Received by: _____		Date/Time: _____		Company: _____					
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____		Company: _____					
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: <i>[Signature]</i>		Date/Time: 5/3/24 0950		Company: <i>[Signature]</i>					
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: Raw 1.1- COR 0.9											



MR

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-170419-1

SDG Number: HOO

Login Number: 170419

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Ballard, Megan

Question	Answer	Comment
The cooler's custody seal is intact.	True	
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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temp acceptable, where thermal pres is required ($\leq 6^{\circ}\text{C}$, 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.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

