

ANALYTICAL REPORT

PREPARED FOR

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Generated 11/22/2024 12:38:48 PM

JOB DESCRIPTION

Hoosick Falls WTP
HOO

JOB NUMBER

410-195889-1

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization



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Authorized for release by
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Compliance Statement

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

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

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

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

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

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Definitions/Glossary

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

Job ID: 410-195889-1
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.
☼	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: 410-195889-1

Job ID: 410-195889-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-195889-1

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 11/8/2024 9:45 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 -0.3°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: 410-195889-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-195889-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.8		1.8	ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	3.0		1.8	ng/L	1		537 (Mod)	Total/NA
Perfluoroheptanoic acid	7.8		1.8	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanoic acid	7.7		1.8	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.7		1.8	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid - DL	370		18	ng/L	10		EPA 537.1	Total/NA

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-195889-2

No Detections.

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-195889-3

No Detections.

Client Sample ID: PV-1_50

Lab Sample ID: 410-195889-4

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	5.3		1.7	ng/L	1		537 (Mod)	Total/NA

Client Sample ID: PV-2_50

Lab Sample ID: 410-195889-5

No Detections.

Client Sample ID: SG1-FTB01-241107

Lab Sample ID: 410-195889-6

No Detections.

Client Sample ID: SG1-LTB01-241107

Lab Sample ID: 410-195889-7

No Detections.

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: 410-195889-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-195889-1

Date Collected: 11/07/24 09:20

Matrix: Water

Date Received: 11/08/24 09:45

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		11/12/24 17:16	11/15/24 23:12	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:12	1
Perfluorobutanoic acid	3.8		1.8	ng/L		11/12/24 17:16	11/15/24 23:12	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:12	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:12	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:12	1
Perfluoropentanoic acid	3.0		1.8	ng/L		11/12/24 17:16	11/15/24 23:12	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	100		26 - 200	11/12/24 17:16	11/15/24 23:12	1
M2-8:2 FTS	119		27 - 200	11/12/24 17:16	11/15/24 23:12	1
13C4 PFBA	85		10 - 168	11/12/24 17:16	11/15/24 23:12	1
13C5 PFPeA	91		15 - 189	11/12/24 17:16	11/15/24 23:12	1
13C8 PFOS	93		44 - 153	11/12/24 17:16	11/15/24 23:12	1
13C8 FOSA	89		11 - 149	11/12/24 17:16	11/15/24 23:12	1
13C3 PFHxS	85		39 - 164	11/12/24 17:16	11/15/24 23:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
NMeFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluoroheptanoic acid	7.8		1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorohexanoic acid	7.7		1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorooctanesulfonic acid	3.7		1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130	11/12/24 07:48	11/20/24 23:30	1
13C2 PFHxA	100		70 - 130	11/12/24 07:48	11/20/24 23:30	1
d5-NEtFOSAA	90		70 - 130	11/12/24 07:48	11/20/24 23:30	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	370		18	ng/L		11/12/24 07:48	11/21/24 23:59	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	108		70 - 130	11/12/24 07:48	11/21/24 23:59	10
13C2 PFHxA	111		70 - 130	11/12/24 07:48	11/21/24 23:59	10
d5-NEtFOSAA	102		70 - 130	11/12/24 07:48	11/21/24 23:59	10

Client Sample Results

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-195889-2

Date Collected: 11/07/24 09:25

Matrix: Water

Date Received: 11/08/24 09:45

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	1.9	U	1.9	ng/L		11/12/24 17:16	11/15/24 23:26	1
8:2 Fluorotelomer sulfonic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/15/24 23:26	1
Perfluorobutanoic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/15/24 23:26	1
Perfluorodecanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/15/24 23:26	1
Perfluoroheptanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/15/24 23:26	1
Perfluorooctanesulfonamide	1.9	U	1.9	ng/L		11/12/24 17:16	11/15/24 23:26	1
Perfluoropentanoic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/15/24 23:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	100		26 - 200	11/12/24 17:16	11/15/24 23:26	1
M2-8:2 FTS	123		27 - 200	11/12/24 17:16	11/15/24 23:26	1
13C4 PFBA	91		10 - 168	11/12/24 17:16	11/15/24 23:26	1
13C5 PFPeA	89		15 - 189	11/12/24 17:16	11/15/24 23:26	1
13C8 PFOS	95		44 - 153	11/12/24 17:16	11/15/24 23:26	1
13C8 FOSA	97		11 - 149	11/12/24 17:16	11/15/24 23:26	1
13C3 PFHxS	87		39 - 164	11/12/24 17:16	11/15/24 23:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
NMeFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorohexanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	99		70 - 130	11/12/24 07:48	11/20/24 23:43	1
13C2 PFHxA	98		70 - 130	11/12/24 07:48	11/20/24 23:43	1
d5-NEtFOSAA	95		70 - 130	11/12/24 07:48	11/20/24 23:43	1

Client Sample Results

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-195889-3

Date Collected: 11/07/24 09:28

Matrix: Water

Date Received: 11/08/24 09:45

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		11/12/24 17:16	11/15/24 23:53	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:53	1
Perfluorobutanoic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:53	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:53	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:53	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:53	1
Perfluoropentanoic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/15/24 23:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	97		26 - 200	11/12/24 17:16	11/15/24 23:53	1
M2-8:2 FTS	117		27 - 200	11/12/24 17:16	11/15/24 23:53	1
13C4 PFBA	88		10 - 168	11/12/24 17:16	11/15/24 23:53	1
13C5 PFPeA	85		15 - 189	11/12/24 17:16	11/15/24 23:53	1
13C8 PFOS	88		44 - 153	11/12/24 17:16	11/15/24 23:53	1
13C8 FOSA	88		11 - 149	11/12/24 17:16	11/15/24 23:53	1
13C3 PFHxS	82		39 - 164	11/12/24 17:16	11/15/24 23:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
NMeFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorohexanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/20/24 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	99		70 - 130	11/12/24 07:48	11/20/24 23:57	1
13C2 PFHxA	102		70 - 130	11/12/24 07:48	11/20/24 23:57	1
d5-NEtFOSAA	97		70 - 130	11/12/24 07:48	11/20/24 23:57	1

Client Sample Results

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: PV-1_50

Lab Sample ID: 410-195889-4

Date Collected: 11/07/24 09:30

Matrix: Water

Date Received: 11/08/24 09:45

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		11/12/24 17:16	11/16/24 00:06	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		11/12/24 17:16	11/16/24 00:06	1
Perfluorobutanoic acid	5.3		1.7	ng/L		11/12/24 17:16	11/16/24 00:06	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		11/12/24 17:16	11/16/24 00:06	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		11/12/24 17:16	11/16/24 00:06	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		11/12/24 17:16	11/16/24 00:06	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		11/12/24 17:16	11/16/24 00:06	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	99		26 - 200	11/12/24 17:16	11/16/24 00:06	1
M2-8:2 FTS	114		27 - 200	11/12/24 17:16	11/16/24 00:06	1
13C4 PFBA	87		10 - 168	11/12/24 17:16	11/16/24 00:06	1
13C5 PFPeA	87		15 - 189	11/12/24 17:16	11/16/24 00:06	1
13C8 PFOS	90		44 - 153	11/12/24 17:16	11/16/24 00:06	1
13C8 FOSA	91		11 - 149	11/12/24 17:16	11/16/24 00:06	1
13C3 PFHxS	84		39 - 164	11/12/24 17:16	11/16/24 00:06	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
NMeFOSAA	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorohexanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		11/12/24 07:48	11/21/24 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	105		70 - 130	11/12/24 07:48	11/21/24 00:10	1
13C2 PFHxA	111		70 - 130	11/12/24 07:48	11/21/24 00:10	1
d5-NEtFOSAA	103		70 - 130	11/12/24 07:48	11/21/24 00:10	1

Client Sample Results

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: PV-2_50

Lab Sample ID: 410-195889-5

Date Collected: 11/07/24 09:32

Matrix: Water

Date Received: 11/08/24 09:45

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		11/12/24 17:16	11/16/24 00:20	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:20	1
Perfluorobutanoic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:20	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:20	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:20	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:20	1
Perfluoropentanoic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	88		26 - 200	11/12/24 17:16	11/16/24 00:20	1
M2-8:2 FTS	99		27 - 200	11/12/24 17:16	11/16/24 00:20	1
13C4 PFBA	82		10 - 168	11/12/24 17:16	11/16/24 00:20	1
13C5 PFPeA	82		15 - 189	11/12/24 17:16	11/16/24 00:20	1
13C8 PFOS	85		44 - 153	11/12/24 17:16	11/16/24 00:20	1
13C8 FOSA	82		11 - 149	11/12/24 17:16	11/16/24 00:20	1
13C3 PFHxS	80		39 - 164	11/12/24 17:16	11/16/24 00:20	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		11/12/24 07:48	11/21/24 00:24	1
NMeFOSAA	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		11/12/24 07:48	11/21/24 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	107		70 - 130	11/12/24 07:48	11/21/24 00:24	1
13C2 PFHxA	107		70 - 130	11/12/24 07:48	11/21/24 00:24	1
d5-NEtFOSAA	100		70 - 130	11/12/24 07:48	11/21/24 00:24	1

Client Sample Results

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: SG1-FTB01-241107

Lab Sample ID: 410-195889-6

Date Collected: 11/07/24 09:35

Matrix: Water

Date Received: 11/08/24 09:45

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		11/12/24 17:16	11/16/24 00:33	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:33	1
Perfluorobutanoic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:33	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:33	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:33	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:33	1
Perfluoropentanoic acid	1.8	U	1.8	ng/L		11/12/24 17:16	11/16/24 00:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	98		26 - 200	11/12/24 17:16	11/16/24 00:33	1
M2-8:2 FTS	119		27 - 200	11/12/24 17:16	11/16/24 00:33	1
13C4 PFBA	90		10 - 168	11/12/24 17:16	11/16/24 00:33	1
13C5 PFPeA	91		15 - 189	11/12/24 17:16	11/16/24 00:33	1
13C8 PFOS	95		44 - 153	11/12/24 17:16	11/16/24 00:33	1
13C8 FOSA	91		11 - 149	11/12/24 17:16	11/16/24 00:33	1
13C3 PFHxS	85		39 - 164	11/12/24 17:16	11/16/24 00:33	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		11/12/24 07:48	11/21/24 00:37	1
NMeFOSAA	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorobutanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorodecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorododecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluoroheptanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorohexanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorohexanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorononanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorooctanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorooctanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorotetradecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluorotridecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1
Perfluoroundecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	104		70 - 130	11/12/24 07:48	11/21/24 00:37	1
13C2 PFHxA	96		70 - 130	11/12/24 07:48	11/21/24 00:37	1
d5-NEtFOSAA	98		70 - 130	11/12/24 07:48	11/21/24 00:37	1

Client Sample Results

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: SG1-LTB01-241107

Lab Sample ID: 410-195889-7

Date Collected: 11/07/24 00:00

Matrix: Water

Date Received: 11/08/24 09:45

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	1.9	U	1.9	ng/L		11/12/24 17:16	11/16/24 00:47	1
8:2 Fluorotelomer sulfonic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/16/24 00:47	1
Perfluorobutanoic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/16/24 00:47	1
Perfluorodecanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/16/24 00:47	1
Perfluoroheptanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/16/24 00:47	1
Perfluorooctanesulfonamide	1.9	U	1.9	ng/L		11/12/24 17:16	11/16/24 00:47	1
Perfluoropentanoic acid	1.9	U	1.9	ng/L		11/12/24 17:16	11/16/24 00:47	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	99		26 - 200	11/12/24 17:16	11/16/24 00:47	1
M2-8:2 FTS	108		27 - 200	11/12/24 17:16	11/16/24 00:47	1
13C4 PFBA	89		10 - 168	11/12/24 17:16	11/16/24 00:47	1
13C5 PFPeA	90		15 - 189	11/12/24 17:16	11/16/24 00:47	1
13C8 PFOS	95		44 - 153	11/12/24 17:16	11/16/24 00:47	1
13C8 FOSA	90		11 - 149	11/12/24 17:16	11/16/24 00:47	1
13C3 PFHxS	88		39 - 164	11/12/24 17:16	11/16/24 00:47	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		11/12/24 07:48	11/21/24 00:51	1
NMeFOSAA	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorobutanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorodecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorododecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluoroheptanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorohexanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorohexanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorononanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorooctanesulfonic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorooctanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorotetradecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluorotridecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1
Perfluoroundecanoic acid	1.9	U	1.9	ng/L		11/12/24 07:48	11/21/24 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	102		70 - 130	11/12/24 07:48	11/21/24 00:51	1
13C2 PFHxA	97		70 - 130	11/12/24 07:48	11/21/24 00:51	1
d5-NEtFOSAA	94		70 - 130	11/12/24 07:48	11/21/24 00:51	1

Surrogate Summary

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

Job ID: 410-195889-1
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)
410-195889-1	GAC INFLUENT	98	100	90
410-195889-1 - DL	GAC INFLUENT	108	111	102
410-195889-2	GAC MIDFLUENT	99	98	95
410-195889-3	GAC EFFLUENT	99	102	97
410-195889-4	PV-1_50	105	111	103
410-195889-5	PV-2_50	107	107	100
410-195889-6	SG1-FTB01-241107	104	96	98
410-195889-7	SG1-LTB01-241107	102	97	94
LCS 410-573948/2-A	Lab Control Sample	93	98	99
MB 410-573948/1-A	Method Blank	98	100	95

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: 410-195889-1
SDG: HOO

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	M262FTS (26-200)	M282FTS (27-200)	PFBA (10-168)	PFPeA (15-189)	C8PFOS (44-153)	PFOSA (11-149)	C3PFHS (39-164)
410-195889-1	GAC INFLUENT	100	119	85	91	93	89	85
410-195889-2	GAC MIDFLUENT	100	123	91	89	95	97	87
410-195889-3	GAC EFFLUENT	97	117	88	85	88	88	82
410-195889-4	PV-1_50	99	114	87	87	90	91	84
410-195889-5	PV-2_50	88	99	82	82	85	82	80
410-195889-6	SG1-FTB01-241107	98	119	90	91	95	91	85
410-195889-7	SG1-LTB01-241107	99	108	89	90	95	90	88
LCS 410-574246/2-A	Lab Control Sample	111	119	93	91	102	94	91
LCSD 410-574246/3-A	Lab Control Sample Dup	99	109	89	87	97	86	86
MB 410-574246/1-A	Method Blank	100	114	73	89	93	87	86

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: 410-195889-1
SDG: HOO

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

Lab Sample ID: MB 410-574246/1-A

Matrix: Water

Analysis Batch: 575480

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 574246

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		11/12/24 17:16	11/15/24 22:04	1
8:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		11/12/24 17:16	11/15/24 22:04	1
Perfluorobutanoic acid	2.0	U	2.0	ng/L		11/12/24 17:16	11/15/24 22:04	1
Perfluorodecanesulfonic acid	2.0	U	2.0	ng/L		11/12/24 17:16	11/15/24 22:04	1
Perfluoroheptanesulfonic acid	2.0	U	2.0	ng/L		11/12/24 17:16	11/15/24 22:04	1
Perfluorooctanesulfonamide	2.0	U	2.0	ng/L		11/12/24 17:16	11/15/24 22:04	1
Perfluoropentanoic acid	2.0	U	2.0	ng/L		11/12/24 17:16	11/15/24 22:04	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	100		26 - 200	11/12/24 17:16	11/15/24 22:04	1
M2-8:2 FTS	114		27 - 200	11/12/24 17:16	11/15/24 22:04	1
13C4 PFBA	73		10 - 168	11/12/24 17:16	11/15/24 22:04	1
13C5 PFPeA	89		15 - 189	11/12/24 17:16	11/15/24 22:04	1
13C8 PFOS	93		44 - 153	11/12/24 17:16	11/15/24 22:04	1
13C8 FOSA	87		11 - 149	11/12/24 17:16	11/15/24 22:04	1
13C3 PFHxS	86		39 - 164	11/12/24 17:16	11/15/24 22:04	1

Lab Sample ID: LCS 410-574246/2-A

Matrix: Water

Analysis Batch: 575480

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 574246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
6:2 Fluorotelomer sulfonic acid	24.4	25.2		ng/L		104	56 - 130
8:2 Fluorotelomer sulfonic acid	24.6	31.8		ng/L		129	55 - 130
Perfluorobutanoic acid	25.6	31.2		ng/L		122	56 - 130
Perfluorodecanesulfonic acid	24.7	27.6		ng/L		112	53 - 130
Perfluoroheptanesulfonic acid	24.4	29.0		ng/L		119	55 - 130
Perfluorooctanesulfonamide	25.6	27.6		ng/L		108	64 - 133
Perfluoropentanoic acid	25.6	27.3		ng/L		107	56 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	111		26 - 200
M2-8:2 FTS	119		27 - 200
13C4 PFBA	93		10 - 168
13C5 PFPeA	91		15 - 189
13C8 PFOS	102		44 - 153
13C8 FOSA	94		11 - 149
13C3 PFHxS	91		39 - 164

Lab Sample ID: LCSD 410-574246/3-A

Matrix: Water

Analysis Batch: 575480

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 574246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid	24.4	26.4		ng/L		108	56 - 130	5	30
8:2 Fluorotelomer sulfonic acid	24.6	31.1		ng/L		126	55 - 130	2	30
Perfluorobutanoic acid	25.6	31.0		ng/L		121	56 - 130	1	30
Perfluorodecanesulfonic acid	24.7	28.9		ng/L		117	53 - 130	5	30
Perfluoroheptanesulfonic acid	24.4	30.8		ng/L		126	55 - 130	6	30

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QC Sample Results

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

Job ID: 410-195889-1
SDG: HOO

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

Lab Sample ID: LCSD 410-574246/3-A

Matrix: Water

Analysis Batch: 575480

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 574246

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonamide	25.6	28.9		ng/L		113	64 - 133	5	30
Perfluoropentanoic acid	25.6	29.4		ng/L		115	56 - 130	7	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
M2-6:2 FTS	99		26 - 200
M2-8:2 FTS	109		27 - 200
13C4 PFBA	89		10 - 168
13C5 PFPeA	87		15 - 189
13C8 PFOS	97		44 - 153
13C8 FOSA	86		11 - 149
13C3 PFHxS	86		39 - 164

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

Lab Sample ID: MB 410-573948/1-A

Matrix: Water

Analysis Batch: 577527

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 573948

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
NMeFOSAA	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorodecanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorohexanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorononanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		11/12/24 07:48	11/20/24 19:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	98		70 - 130	11/12/24 07:48	11/20/24 19:41	1
13C2 PFHxA	100		70 - 130	11/12/24 07:48	11/20/24 19:41	1
d5-NEtFOSAA	95		70 - 130	11/12/24 07:48	11/20/24 19:41	1

Lab Sample ID: LCS 410-573948/2-A

Matrix: Water

Analysis Batch: 577527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 573948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	20.5	19.7		ng/L		96	70 - 130
NMeFOSAA	20.5	20.5		ng/L		100	70 - 130
Perfluorobutanesulfonic acid	18.1	18.4		ng/L		102	70 - 130
Perfluorodecanoic acid	20.5	20.5		ng/L		100	70 - 130
Perfluorododecanoic acid	20.5	19.4		ng/L		95	70 - 130

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-195889-1
SDG: HOO

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

Lab Sample ID: LCS 410-573948/2-A

Matrix: Water

Analysis Batch: 577527

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 573948

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid	20.5	21.7		ng/L		106	70 - 130
Perfluorohexanesulfonic acid	18.7	19.5		ng/L		104	70 - 130
Perfluorohexanoic acid	20.5	21.6		ng/L		105	70 - 130
Perfluorononanoic acid	20.5	20.7		ng/L		101	70 - 130
Perfluorooctanesulfonic acid	19.0	18.4		ng/L		97	70 - 130
Perfluorooctanoic acid	20.5	21.7		ng/L		106	70 - 130
Perfluorotetradecanoic acid	20.5	19.3		ng/L		94	70 - 130
Perfluorotridecanoic acid	20.5	19.3		ng/L		94	70 - 130
Perfluoroundecanoic acid	20.5	20.0		ng/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	93		70 - 130
13C2 PFHxA	98		70 - 130
d5-NEtFOSAA	99		70 - 130

QC Association Summary

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

Job ID: 410-195889-1
SDG: HOO

LCMS

Prep Batch: 573948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-195889-1	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-195889-1 - DL	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-195889-2	GAC MIDFLUENT	Total/NA	Water	537.1 DW Prep	
410-195889-3	GAC EFFLUENT	Total/NA	Water	537.1 DW Prep	
410-195889-4	PV-1_50	Total/NA	Water	537.1 DW Prep	
410-195889-5	PV-2_50	Total/NA	Water	537.1 DW Prep	
410-195889-6	SG1-FTB01-241107	Total/NA	Water	537.1 DW Prep	
410-195889-7	SG1-LTB01-241107	Total/NA	Water	537.1 DW Prep	
MB 410-573948/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-573948/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	

Prep Batch: 574246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-195889-1	GAC INFLUENT	Total/NA	Water	SPE	
410-195889-2	GAC MIDFLUENT	Total/NA	Water	SPE	
410-195889-3	GAC EFFLUENT	Total/NA	Water	SPE	
410-195889-4	PV-1_50	Total/NA	Water	SPE	
410-195889-5	PV-2_50	Total/NA	Water	SPE	
410-195889-6	SG1-FTB01-241107	Total/NA	Water	SPE	
410-195889-7	SG1-LTB01-241107	Total/NA	Water	SPE	
MB 410-574246/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-574246/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-574246/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 575480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-195889-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	574246
410-195889-2	GAC MIDFLUENT	Total/NA	Water	537 (Mod)	574246
410-195889-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	574246
410-195889-4	PV-1_50	Total/NA	Water	537 (Mod)	574246
410-195889-5	PV-2_50	Total/NA	Water	537 (Mod)	574246
410-195889-6	SG1-FTB01-241107	Total/NA	Water	537 (Mod)	574246
410-195889-7	SG1-LTB01-241107	Total/NA	Water	537 (Mod)	574246
MB 410-574246/1-A	Method Blank	Total/NA	Water	537 (Mod)	574246
LCS 410-574246/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	574246
LCSD 410-574246/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	574246

Analysis Batch: 577527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-195889-1	GAC INFLUENT	Total/NA	Water	EPA 537.1	573948
410-195889-2	GAC MIDFLUENT	Total/NA	Water	EPA 537.1	573948
410-195889-3	GAC EFFLUENT	Total/NA	Water	EPA 537.1	573948
410-195889-4	PV-1_50	Total/NA	Water	EPA 537.1	573948
410-195889-5	PV-2_50	Total/NA	Water	EPA 537.1	573948
410-195889-6	SG1-FTB01-241107	Total/NA	Water	EPA 537.1	573948
410-195889-7	SG1-LTB01-241107	Total/NA	Water	EPA 537.1	573948
MB 410-573948/1-A	Method Blank	Total/NA	Water	EPA 537.1	573948
LCS 410-573948/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	573948

QC Association Summary

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

Job ID: 410-195889-1
SDG: HOO

LCMS

Analysis Batch: 577952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-195889-1 - DL	GAC INFLUENT	Total/NA	Water	EPA 537.1	573948

Lab Chronicle

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-195889-1

Date Collected: 11/07/24 09:20

Matrix: Water

Date Received: 11/08/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			574246	V3FW	ELLE	11/12/24 17:16
Total/NA	Analysis	537 (Mod)		1	575480	MC7V	ELLE	11/15/24 23:12
Total/NA	Prep	537.1 DW Prep			573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1		1	577527	QD9Y	ELLE	11/20/24 23:30
Total/NA	Prep	537.1 DW Prep	DL		573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1	DL	10	577952	WR4P	ELLE	11/21/24 23:59

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-195889-2

Date Collected: 11/07/24 09:25

Matrix: Water

Date Received: 11/08/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			574246	V3FW	ELLE	11/12/24 17:16
Total/NA	Analysis	537 (Mod)		1	575480	MC7V	ELLE	11/15/24 23:26
Total/NA	Prep	537.1 DW Prep			573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1		1	577527	QD9Y	ELLE	11/20/24 23:43

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-195889-3

Date Collected: 11/07/24 09:28

Matrix: Water

Date Received: 11/08/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			574246	V3FW	ELLE	11/12/24 17:16
Total/NA	Analysis	537 (Mod)		1	575480	MC7V	ELLE	11/15/24 23:53
Total/NA	Prep	537.1 DW Prep			573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1		1	577527	QD9Y	ELLE	11/20/24 23:57

Client Sample ID: PV-1_50

Lab Sample ID: 410-195889-4

Date Collected: 11/07/24 09:30

Matrix: Water

Date Received: 11/08/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			574246	V3FW	ELLE	11/12/24 17:16
Total/NA	Analysis	537 (Mod)		1	575480	MC7V	ELLE	11/16/24 00:06
Total/NA	Prep	537.1 DW Prep			573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1		1	577527	QD9Y	ELLE	11/21/24 00:10

Client Sample ID: PV-2_50

Lab Sample ID: 410-195889-5

Date Collected: 11/07/24 09:32

Matrix: Water

Date Received: 11/08/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			574246	V3FW	ELLE	11/12/24 17:16
Total/NA	Analysis	537 (Mod)		1	575480	MC7V	ELLE	11/16/24 00:20
Total/NA	Prep	537.1 DW Prep			573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1		1	577527	QD9Y	ELLE	11/21/24 00:24

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

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

Job ID: 410-195889-1
SDG: HOO

Client Sample ID: SG1-FTB01-241107
Date Collected: 11/07/24 09:35
Date Received: 11/08/24 09:45

Lab Sample ID: 410-195889-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			574246	V3FW	ELLE	11/12/24 17:16
Total/NA	Analysis	537 (Mod)		1	575480	MC7V	ELLE	11/16/24 00:33
Total/NA	Prep	537.1 DW Prep			573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1		1	577527	QD9Y	ELLE	11/21/24 00:37

Client Sample ID: SG1-LTB01-241107
Date Collected: 11/07/24 00:00
Date Received: 11/08/24 09:45

Lab Sample ID: 410-195889-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			574246	V3FW	ELLE	11/12/24 17:16
Total/NA	Analysis	537 (Mod)		1	575480	MC7V	ELLE	11/16/24 00:47
Total/NA	Prep	537.1 DW Prep			573948	DX7G	ELLE	11/12/24 07:48
Total/NA	Analysis	EPA 537.1		1	577527	QD9Y	ELLE	11/21/24 00:51

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: 410-195889-1
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: 410-195889-1
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
SPE	PFAS by SPE	Lab SOP	ELLE

Protocol References:

EPA = US Environmental Protection Agency
Lab SOP = Laboratory Standard Operating Procedure

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: 410-195889-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-195889-1	GAC INFLUENT	Water	11/07/24 09:20	11/08/24 09:45
410-195889-2	GAC MIDFLUENT	Water	11/07/24 09:25	11/08/24 09:45
410-195889-3	GAC EFFLUENT	Water	11/07/24 09:28	11/08/24 09:45
410-195889-4	PV-1_50	Water	11/07/24 09:30	11/08/24 09:45
410-195889-5	PV-2_50	Water	11/07/24 09:32	11/08/24 09:45
410-195889-6	SG1-FTB01-241107	Water	11/07/24 09:35	11/08/24 09:45
410-195889-7	SG1-LTB01-241107	Water	11/07/24 00:00	11/08/24 09:45



410-195889 Chain of Custody

LLC

Chain of Custody Record



Environment Testing
America

Jonathan Dippert Company: C.T. Male Associates Address: 50 Century Hill Dr City: Latham State, Zip: NY, 12110 Phone: 518-786-7400 Email: J.Dippert@ctmale.com, N.Garry@ctmale.com Project Name: Hoosick Falls WTP Site: 14.4756		Sampler: C. Ormsby Phone: 518-786-7400		Lab PM: Kelly Gallagher E-Mail: Kelly.Gallagher@et.eurofinsus.com		Carrier Tracking No(s):		COC No:	
PWSID:		Due Date Requested:		Analysis Requested		Job #:		Page: 1 of 1	
TAT Requested (days): Standard		Compliance Project: ☐ Yes ☐ No		Field Filtered Sample (Yes or No)		Total Number of containers		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)		Special Instructions/Note:	
GAC INFLUENT		11/7/24		0920		G W		PFAS QC Batch Sample collected here	
GAC MIDFLUENT		11/7/24		0925		G W			
GAC EFFULENT		11/7/24		0928		G W			
PV-1_50		11/7/24		0930		G W			
PV-2_50		11/7/24		0932		G W			
SG1-FTB01-241107		11/7/24		0935		G W			
SG1-LTB01-241107		11/7/24		-		G W			
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Deliverable Requested: I, II, III, IV, Other (specify)		EquiS 1-File; ASP-B		Special Instructions/QC Requirements:	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Empty Kit Relinquished by:		Date:		Method of Shipment:	
Relinquished by: <i>Christina Ormsby</i>		Date/Time: 11/7/24 1350		Company: <i>CTM</i>		Received by:		Date/Time:	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: <i>MMB</i>		Date/Time: 11/8/24 0945	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 16.0-1- C-0.3					



410-195889 Chain of Custody

LLC

Chain of Custody Record



Environment Testing
America

Jonathan Dippert Company: C.T. Male Associates Address: 50 Century Hill Dr City: Latham State, Zip: NY, 12110 Phone: 518-786-7400 Email: J.Dippert@ctmale.com, N.Garry@ctmale.com Project Name: Hoosick Falls WTP Site: 14.4756		Sampler: C. Ormsby Phone: 518-786-7400		Lab PM: Kelly Gallagher E-Mail: Kelly.Gallagher@et.eurofinsus.com		Carrier Tracking No(s):		COC No:	
PWSID:		Due Date Requested:		Analysis Requested		Job #:		Page: 1 of 1	
TAT Requested (days): Standard		Compliance Project: ☐ Yes ☐ No		Field Filtered Sample (Yes or No)		Total Number of containers		Preservation Codes:	
PO #: 14.4756		WO #:		PFC_IDA - (MOD) 7 PFAS Compounds		837_DW - 14 PFAS Drinking Water List		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)	
Project #: 41000511		SSOW#:		Field Filtered Sample (Yes or No)		Total Number of containers		Other: Y - Trizma	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Special Instructions/Note:	
GAC INFLUENT		11/7/24		0920		G W		PFAS QC Batch Sample collected here	
GAC MIDFLUENT		11/7/24		0925		G W			
GAC EFFULENT		11/7/24		0928		G W			
PV-1_50		11/7/24		0930		G W			
PV-2_50		11/7/24		0932		G W			
SG1-FTB01-241107		11/7/24		0935		G W			
SG1-LTB01-241107		11/7/24		-		G W			
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Deliverable Requested: I, II, III, IV, Other (specify)		EquiS 1-File; ASP-B		Special Instructions/QC Requirements:	
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months		Empty Kit Relinquished by:		Date:		Method of Shipment:	
Relinquished by: <i>Christina Ormsby</i>		Date/Time: 11/7/24 1350		Company: <i>CTM</i>		Received by:		Date/Time:	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____	
Relinquished by: _____		Date/Time: _____		Company: _____		Received by: <i>MMB</i>		Date/Time: 11/8/24 0945	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 16.0-1- C-0.3					

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-195889-1

SDG Number: HOO

Login Number: 195889

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(</=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.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	