



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kirk Moline
CT Male Associates DPC
50 Century Hill Dr
Latham, New York 12110

Generated 3/6/2023 10:23:14 AM

JOB DESCRIPTION

Hoosick Falls WTP
SDG NUMBER HOO

JOB NUMBER

410-114241-1

Job Notes

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



Generated
3/6/2023 10:23:14 AM

Authorized for release by
Paul Hobart, Project Manager
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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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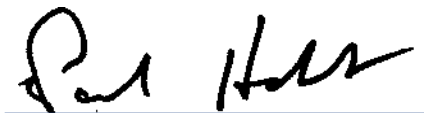




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Definitions/Glossary

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

Job ID: 410-114241-1
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/Site: Hoosick Falls WTP

Job ID: 410-114241-1
SDG: HOO

Job ID: 410-114241-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-114241-1

Receipt

The samples were received on 2/3/2023 9:52 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 1.3°C

PFAS

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

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Detection Summary

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: GAC Influent

Lab Sample ID: 410-114241-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.2		1.9	ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.8		1.9	ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	8.3		1.9	ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	10		1.9	ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.2		1.9	ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	360		19	ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midfluent

Lab Sample ID: 410-114241-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	2.4		1.8	ng/L	1		537 (Mod)	Total/NA

Client Sample ID: GAC Effluent

Lab Sample ID: 410-114241-3

No Detections.

Client Sample ID: PV-2_25

Lab Sample ID: 410-114241-4

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	3.1		1.8	ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	5.9		1.8	ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	4.0		1.8	ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	90		18	ng/L	10		537 DW	Total/NA

Client Sample ID: PV-2_50

Lab Sample ID: 410-114241-5

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	6.9		1.8	ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.0		1.8	ng/L	1		537 (Mod)	Total/NA

Client Sample ID: PV-2_75

Lab Sample ID: 410-114241-6

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	6.8		1.9	ng/L	1		537 (Mod)	Total/NA

Client Sample ID: FTB01-230202

Lab Sample ID: 410-114241-7

No Detections.

Client Sample ID: LTB01-230202

Lab Sample ID: 410-114241-8

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: 410-114241-1
SDG: HOO

Client Sample ID: GAC Influent

Lab Sample ID: 410-114241-1

Date Collected: 02/02/23 09:10

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 04:20	1
8:2 Fluorotelomer sulfonic acid	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 04:20	1
Perfluorobutanoic acid	3.2		1.9	ng/L		02/08/23 17:58	02/11/23 04:20	1
Perfluorodecanesulfonic acid	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 04:20	1
Perfluoroheptanesulfonic acid	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 04:20	1
Perfluorooctanesulfonamide	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 04:20	1
Perfluoropentanoic acid	2.8		1.9	ng/L		02/08/23 17:58	02/11/23 04:20	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-6:2 FTS	108		17 - 200			02/08/23 17:58	02/11/23 04:20	1
M2-8:2 FTS	116		33 - 200			02/08/23 17:58	02/11/23 04:20	1
13C4 PFBA	108		42 - 165			02/08/23 17:58	02/11/23 04:20	1
13C5 PFPeA	116		38 - 187			02/08/23 17:58	02/11/23 04:20	1
13C8 PFOS	118		51 - 159			02/08/23 17:58	02/11/23 04:20	1
13C8 FOSA	90		10 - 168			02/08/23 17:58	02/11/23 04:20	1
13C3 PFHxS	126		28 - 188			02/08/23 17:58	02/11/23 04:20	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	8.3		1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluoroheptanoic acid	10		1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorononanoic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorodecanoic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorotridecanoic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorotetradecanoic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorobutanesulfonic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorohexanesulfonic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorooctanesulfonic acid	3.2		1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
NEtFOSAA	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
NMeFOSAA	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluoroundecanoic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
Perfluorododecanoic acid	1.9	U	1.9	ng/L		02/16/23 13:40	02/28/23 18:51	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	94		70 - 130			02/16/23 13:40	02/28/23 18:51	1
13C2 PFDA	113		70 - 130			02/16/23 13:40	02/28/23 18:51	1
13C2 PFHxA	113		70 - 130			02/16/23 13:40	02/28/23 18:51	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS) - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	360		19	ng/L		02/16/23 13:40	03/02/23 13:24	10
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	99		70 - 130			02/16/23 13:40	03/02/23 13:24	10
13C2 PFDA	97		70 - 130			02/16/23 13:40	03/02/23 13:24	10
13C2 PFHxA	106		70 - 130			02/16/23 13:40	03/02/23 13:24	10

Client Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: GAC Midfluent

Lab Sample ID: 410-114241-2

Date Collected: 02/02/23 09:20

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 04:31	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 04:31	1
Perfluorobutanoic acid	2.4		1.8	ng/L		02/08/23 17:58	02/11/23 04:31	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 04:31	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 04:31	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 04:31	1
Perfluoropentanoic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 04:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	135		17 - 200	02/08/23 17:58	02/11/23 04:31	1
M2-8:2 FTS	121		33 - 200	02/08/23 17:58	02/11/23 04:31	1
13C4 PFBA	123		42 - 165	02/08/23 17:58	02/11/23 04:31	1
13C5 PFPeA	122		38 - 187	02/08/23 17:58	02/11/23 04:31	1
13C8 PFOS	130		51 - 159	02/08/23 17:58	02/11/23 04:31	1
13C8 FOSA	114		10 - 168	02/08/23 17:58	02/11/23 04:31	1
13C3 PFHxS	131		28 - 188	02/08/23 17:58	02/11/23 04:31	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
NEtFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
NMeFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	89		70 - 130	02/16/23 13:40	02/28/23 19:02	1
13C2 PFDA	87		70 - 130	02/16/23 13:40	02/28/23 19:02	1
13C2 PFHxA	84		70 - 130	02/16/23 13:40	02/28/23 19:02	1

Client Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: GAC Effluent

Lab Sample ID: 410-114241-3

Date Collected: 02/02/23 09:25

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 05:04	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:04	1
Perfluorobutanoic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:04	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:04	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:04	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:04	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:04	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	121		17 - 200	02/08/23 17:58	02/11/23 05:04	1
M2-8:2 FTS	117		33 - 200	02/08/23 17:58	02/11/23 05:04	1
13C4 PFBA	111		42 - 165	02/08/23 17:58	02/11/23 05:04	1
13C5 PFPeA	113		38 - 187	02/08/23 17:58	02/11/23 05:04	1
13C8 PFOS	120		51 - 159	02/08/23 17:58	02/11/23 05:04	1
13C8 FOSA	104		10 - 168	02/08/23 17:58	02/11/23 05:04	1
13C3 PFHxS	118		28 - 188	02/08/23 17:58	02/11/23 05:04	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
NEtFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
NMeFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	98		70 - 130	02/16/23 13:40	02/28/23 19:14	1
13C2 PFDA	100		70 - 130	02/16/23 13:40	02/28/23 19:14	1
13C2 PFHxA	107		70 - 130	02/16/23 13:40	02/28/23 19:14	1

Client Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: PV-2_25

Lab Sample ID: 410-114241-4

Date Collected: 02/02/23 09:35

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 05:26	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:26	1
Perfluorobutanoic acid	3.8		1.8	ng/L		02/08/23 17:58	02/11/23 05:26	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:26	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:26	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:26	1
Perfluoropentanoic acid	3.1		1.8	ng/L		02/08/23 17:58	02/11/23 05:26	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-6:2 FTS	123		17 - 200			02/08/23 17:58	02/11/23 05:26	1
M2-8:2 FTS	137		33 - 200			02/08/23 17:58	02/11/23 05:26	1
13C4 PFBA	118		42 - 165			02/08/23 17:58	02/11/23 05:26	1
13C5 PFPeA	124		38 - 187			02/08/23 17:58	02/11/23 05:26	1
13C8 PFOS	123		51 - 159			02/08/23 17:58	02/11/23 05:26	1
13C8 FOSA	112		10 - 168			02/08/23 17:58	02/11/23 05:26	1
13C3 PFHxS	123		28 - 188			02/08/23 17:58	02/11/23 05:26	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	5.9		1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluoroheptanoic acid	4.0		1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
NEtFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
NMeFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	100		70 - 130			02/16/23 13:40	02/28/23 19:25	1
13C2 PFDA	102		70 - 130			02/16/23 13:40	02/28/23 19:25	1
13C2 PFHxA	103		70 - 130			02/16/23 13:40	02/28/23 19:25	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS) - DL

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	90		18	ng/L		02/16/23 13:40	03/02/23 13:47	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	108		70 - 130			02/16/23 13:40	03/02/23 13:47	10
13C2 PFDA	106		70 - 130			02/16/23 13:40	03/02/23 13:47	10
13C2 PFHxA	117		70 - 130			02/16/23 13:40	03/02/23 13:47	10

Client Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: PV-2_50

Lab Sample ID: 410-114241-5

Date Collected: 02/02/23 09:45

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 05:37	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:37	1
Perfluorobutanoic acid	6.9		1.8	ng/L		02/08/23 17:58	02/11/23 05:37	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:37	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:37	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		02/08/23 17:58	02/11/23 05:37	1
Perfluoropentanoic acid	2.0		1.8	ng/L		02/08/23 17:58	02/11/23 05:37	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
M2-6:2 FTS	110		17 - 200			02/08/23 17:58	02/11/23 05:37	1
M2-8:2 FTS	104		33 - 200			02/08/23 17:58	02/11/23 05:37	1
13C4 PFBA	105		42 - 165			02/08/23 17:58	02/11/23 05:37	1
13C5 PFPeA	109		38 - 187			02/08/23 17:58	02/11/23 05:37	1
13C8 PFOS	109		51 - 159			02/08/23 17:58	02/11/23 05:37	1
13C8 FOSA	100		10 - 168			02/08/23 17:58	02/11/23 05:37	1
13C3 PFHxS	107		28 - 188			02/08/23 17:58	02/11/23 05:37	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
NEtFOSAA	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
NMeFOSAA	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 19:37	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>			<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	102		70 - 130			02/16/23 13:40	02/28/23 19:37	1
13C2 PFDA	101		70 - 130			02/16/23 13:40	02/28/23 19:37	1
13C2 PFHxA	101		70 - 130			02/16/23 13:40	02/28/23 19:37	1

Client Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: PV-2_75

Lab Sample ID: 410-114241-6

Date Collected: 02/02/23 10:00

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 05:48	1
8:2 Fluorotelomer sulfonic acid	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 05:48	1
Perfluorobutanoic acid	6.8		1.9	ng/L		02/08/23 17:58	02/11/23 05:48	1
Perfluorodecanesulfonic acid	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 05:48	1
Perfluoroheptanesulfonic acid	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 05:48	1
Perfluorooctanesulfonamide	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 05:48	1
Perfluoropentanoic acid	1.9	U	1.9	ng/L		02/08/23 17:58	02/11/23 05:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	110		17 - 200	02/08/23 17:58	02/11/23 05:48	1
M2-8:2 FTS	108		33 - 200	02/08/23 17:58	02/11/23 05:48	1
13C4 PFBA	109		42 - 165	02/08/23 17:58	02/11/23 05:48	1
13C5 PFPeA	112		38 - 187	02/08/23 17:58	02/11/23 05:48	1
13C8 PFOS	113		51 - 159	02/08/23 17:58	02/11/23 05:48	1
13C8 FOSA	101		10 - 168	02/08/23 17:58	02/11/23 05:48	1
13C3 PFHxS	113		28 - 188	02/08/23 17:58	02/11/23 05:48	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluoroheptanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorooctanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorononanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorodecanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorotridecanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorotetradecanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorobutanesulfonic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorohexanesulfonic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorooctanesulfonic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
NEtFOSAA	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
NMeFOSAA	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluoroundecanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1
Perfluorododecanoic acid	1.9	U	1.9	ng/L		02/08/23 13:17	02/13/23 22:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	81		70 - 130	02/08/23 13:17	02/13/23 22:14	1
13C2 PFDA	82		70 - 130	02/08/23 13:17	02/13/23 22:14	1
13C2 PFHxA	89		70 - 130	02/08/23 13:17	02/13/23 22:14	1

Client Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: FTB01-230202

Lab Sample ID: 410-114241-7

Date Collected: 02/02/23 10:10

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 05:59	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:59	1
Perfluorobutanoic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:59	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:59	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:59	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:59	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 05:59	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	131		17 - 200	02/08/23 17:58	02/11/23 05:59	1
M2-8:2 FTS	121		33 - 200	02/08/23 17:58	02/11/23 05:59	1
13C4 PFBA	77		42 - 165	02/08/23 17:58	02/11/23 05:59	1
13C5 PFPeA	119		38 - 187	02/08/23 17:58	02/11/23 05:59	1
13C8 PFOS	125		51 - 159	02/08/23 17:58	02/11/23 05:59	1
13C8 FOSA	107		10 - 168	02/08/23 17:58	02/11/23 05:59	1
13C3 PFHxS	122		28 - 188	02/08/23 17:58	02/11/23 05:59	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
NEtFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
NMeFOSAA	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		02/16/23 13:40	02/28/23 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	91		70 - 130	02/16/23 13:40	02/28/23 19:48	1
13C2 PFDA	105		70 - 130	02/16/23 13:40	02/28/23 19:48	1
13C2 PFHxA	95		70 - 130	02/16/23 13:40	02/28/23 19:48	1

Client Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: LTB01-230202

Lab Sample ID: 410-114241-8

Date Collected: 02/02/23 00:00

Matrix: Water

Date Received: 02/03/23 09:52

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		02/08/23 17:58	02/11/23 06:11	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 06:11	1
Perfluorobutanoic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 06:11	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 06:11	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 06:11	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 06:11	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		02/08/23 17:58	02/11/23 06:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	121		17 - 200	02/08/23 17:58	02/11/23 06:11	1
M2-8:2 FTS	109		33 - 200	02/08/23 17:58	02/11/23 06:11	1
13C4 PFBA	61		42 - 165	02/08/23 17:58	02/11/23 06:11	1
13C5 PFPeA	98		38 - 187	02/08/23 17:58	02/11/23 06:11	1
13C8 PFOS	113		51 - 159	02/08/23 17:58	02/11/23 06:11	1
13C8 FOSA	98		10 - 168	02/08/23 17:58	02/11/23 06:11	1
13C3 PFHxS	114		28 - 188	02/08/23 17:58	02/11/23 06:11	1

Method: EPA 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
NEtFOSAA	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
NMeFOSAA	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		02/16/23 13:40	02/28/23 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	94		70 - 130	02/16/23 13:40	02/28/23 20:00	1
13C2 PFDA	92		70 - 130	02/16/23 13:40	02/28/23 20:00	1
13C2 PFHxA	104		70 - 130	02/16/23 13:40	02/28/23 20:00	1

Surrogate Summary

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

Job ID: 410-114241-1
 SDG: HOO

Method: 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		d5NEFOS (70-130)	PFDA (70-130)	PFHxA (70-130)
410-114241-1	GAC Influent	94	113	113
410-114241-1 - DL	GAC Influent	99	97	106
410-114241-2	GAC Midfluent	89	87	84
410-114241-3	GAC Effluent	98	100	107
410-114241-4	PV-2_25	100	102	103
410-114241-4 - DL	PV-2_25	108	106	117
410-114241-5	PV-2_50	102	101	101
410-114241-6	PV-2_75	81	82	89
410-114241-7	FTB01-230202	91	105	95
410-114241-8	LTB01-230202	94	92	104
LCS 410-342736/2-A	Lab Control Sample	86	94	94
LCS 410-345359/2-A	Lab Control Sample	112	99	99
LCSD 410-342736/3-A	Lab Control Sample Dup	87	92	95
LCSD 410-345359/3-A	Lab Control Sample Dup	98	105	104
MB 410-342736/1-A	Method Blank	94	101	90
MB 410-345359/1-A	Method Blank	110	106	108

Surrogate Legend

d5NEFOS = d5-NEtFOSAA
 PFDA = 13C2 PFDA
 PFHxA = 13C2 PFHxA

Isotope Dilution Summary

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

Job ID: 410-114241-1
 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 (17-200)	M282FTS (33-200)	PFBA (42-165)	PFPeA (38-187)	C8PFOS (51-159)	PFOSA (10-168)	C3PFHS (28-188)
410-114241-1	GAC Influent	108	116	108	116	118	90	126
410-114241-2	GAC Midfluent	135	121	123	122	130	114	131
410-114241-3	GAC Effluent	121	117	111	113	120	104	118
410-114241-4	PV-2_25	123	137	118	124	123	112	123
410-114241-5	PV-2_50	110	104	105	109	109	100	107
410-114241-6	PV-2_75	110	108	109	112	113	101	113
410-114241-7	FTB01-230202	131	121	77	119	125	107	122
410-114241-8	LTB01-230202	121	109	61	98	113	98	114
LCS 410-342868/2-A	Lab Control Sample	124	122	71	102	117	100	118
LCSD 410-342868/3-A	Lab Control Sample Dup	120	111	72	102	116	91	111
MB 410-342868/1-A	Method Blank	122	120	84	102	114	95	119

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: 410-114241-1
SDG: HOO

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

Lab Sample ID: MB 410-342868/1-A
Matrix: Water
Analysis Batch: 343756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 342868

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
6:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		02/08/23 17:58	02/11/23 01:55	1
8:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		02/08/23 17:58	02/11/23 01:55	1
Perfluorobutanoic acid	2.0	U	2.0	ng/L		02/08/23 17:58	02/11/23 01:55	1
Perfluorodecanesulfonic acid	2.0	U	2.0	ng/L		02/08/23 17:58	02/11/23 01:55	1
Perfluoroheptanesulfonic acid	2.0	U	2.0	ng/L		02/08/23 17:58	02/11/23 01:55	1
Perfluorooctanesulfonamide	2.0	U	2.0	ng/L		02/08/23 17:58	02/11/23 01:55	1
Perfluoropentanoic acid	2.0	U	2.0	ng/L		02/08/23 17:58	02/11/23 01:55	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
M2-6:2 FTS	122		17 - 200	02/08/23 17:58	02/11/23 01:55	1
M2-8:2 FTS	120		33 - 200	02/08/23 17:58	02/11/23 01:55	1
13C4 PFBA	84		42 - 165	02/08/23 17:58	02/11/23 01:55	1
13C5 PFPeA	102		38 - 187	02/08/23 17:58	02/11/23 01:55	1
13C8 PFOS	114		51 - 159	02/08/23 17:58	02/11/23 01:55	1
13C8 FOSA	95		10 - 168	02/08/23 17:58	02/11/23 01:55	1
13C3 PFHxS	119		28 - 188	02/08/23 17:58	02/11/23 01:55	1

Lab Sample ID: LCS 410-342868/2-A
Matrix: Water
Analysis Batch: 343756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 342868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
8:2 Fluorotelomer sulfonic acid	24.5	24.0		ng/L		98 55 - 138	
Perfluorobutanoic acid	25.6	22.3		ng/L		87 59 - 136	
Perfluorodecanesulfonic acid	24.7	23.5		ng/L		95 55 - 137	
Perfluoroheptanesulfonic acid	24.4	23.0		ng/L		95 56 - 140	
Perfluorooctanesulfonamide	25.6	25.8		ng/L		101 43 - 167	
Perfluoropentanoic acid	25.6	24.8		ng/L		97 57 - 141	

Isotope Dilution	LCS	LCS	Limits
	%Recovery	Qualifier	
M2-6:2 FTS	124		17 - 200
M2-8:2 FTS	122		33 - 200
13C4 PFBA	71		42 - 165
13C5 PFPeA	102		38 - 187
13C8 PFOS	117		51 - 159
13C8 FOSA	100		10 - 168
13C3 PFHxS	118		28 - 188

Lab Sample ID: LCSD 410-342868/3-A
Matrix: Water
Analysis Batch: 343756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 342868

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
6:2 Fluorotelomer sulfonic acid	24.3	23.6		ng/L		97	28 - 173	2	30
8:2 Fluorotelomer sulfonic acid	24.5	22.8		ng/L		93	55 - 138	5	30
Perfluorobutanoic acid	25.6	22.3		ng/L		87	59 - 136	0	30
Perfluorodecanesulfonic acid	24.7	23.6		ng/L		96	55 - 137	0	30
Perfluoroheptanesulfonic acid	24.4	22.9		ng/L		94	56 - 140	0	30

QC Sample Results

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

Job ID: 410-114241-1
SDG: HOO

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

Lab Sample ID: LCSD 410-342868/3-A
Matrix: Water
Analysis Batch: 343756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 342868

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Added	Result	Qualifier						
Perfluorooctanesulfonamide	25.6	26.0		ng/L		102	43 - 167	1	30
Perfluoropentanoic acid	25.6	23.3		ng/L		91	57 - 141	6	30

Isotope Dilution	LCS	LCS	Limits
	%Recovery	Qualifier	
M2-6:2 FTS	120		17 - 200
M2-8:2 FTS	111		33 - 200
13C4 PFBA	72		42 - 165
13C5 PFPeA	102		38 - 187
13C8 PFOS	116		51 - 159
13C8 FOSA	91		10 - 168
13C3 PFHxS	111		28 - 188

Method: 537 DW - Perfluorinated Alkyl Acids (LC/MS)

Lab Sample ID: MB 410-342736/1-A
Matrix: Water
Analysis Batch: 344101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 342736

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorononanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorodecanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
NEtFOSAA	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
NMeFOSAA	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		02/08/23 13:17	02/13/23 20:29	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	94		70 - 130	02/08/23 13:17	02/13/23 20:29	1
13C2 PFDA	101		70 - 130	02/08/23 13:17	02/13/23 20:29	1
13C2 PFHxA	90		70 - 130	02/08/23 13:17	02/13/23 20:29	1

Lab Sample ID: LCS 410-342736/2-A
Matrix: Water
Analysis Batch: 344101

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 342736

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
Perfluorohexanoic acid	20.5	18.3		ng/L		89	70 - 130
Perfluoroheptanoic acid	20.5	17.4		ng/L		85	70 - 130
Perfluorooctanoic acid	20.5	19.7		ng/L		96	70 - 130
Perfluorononanoic acid	20.5	19.9		ng/L		97	70 - 130
Perfluorodecanoic acid	20.5	18.5		ng/L		90	70 - 130

QC Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Method: 537 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCS 410-342736/2-A

Matrix: Water

Analysis Batch: 344101

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 342736

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorotridecanoic acid	20.5	20.0		ng/L		98	70 - 130
Perfluorotetradecanoic acid	20.5	21.7		ng/L		106	70 - 130
Perfluorobutanesulfonic acid	18.1	14.6		ng/L		81	70 - 130
Perfluorohexanesulfonic acid	18.7	16.4		ng/L		88	70 - 130
Perfluorooctanesulfonic acid	19.0	17.6		ng/L		93	70 - 130
NEtFOSAA	20.5	19.8		ng/L		97	70 - 130
NMeFOSAA	20.5	18.4		ng/L		90	70 - 130
Perfluoroundecanoic acid	20.5	19.5		ng/L		95	70 - 130
Perfluorododecanoic acid	20.5	18.8		ng/L		92	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	86		70 - 130
13C2 PFDA	94		70 - 130
13C2 PFHxA	94		70 - 130

Lab Sample ID: LCSD 410-342736/3-A

Matrix: Water

Analysis Batch: 344101

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 342736

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Perfluorohexanoic acid	20.5	19.7		ng/L		96	70 - 130	7	30
Perfluoroheptanoic acid	20.5	19.3		ng/L		94	70 - 130	11	30
Perfluorooctanoic acid	20.5	20.0		ng/L		98	70 - 130	2	30
Perfluorononanoic acid	20.5	20.5		ng/L		100	70 - 130	3	30
Perfluorodecanoic acid	20.5	19.5		ng/L		95	70 - 130	6	30
Perfluorotridecanoic acid	20.5	19.7		ng/L		96	70 - 130	1	30
Perfluorotetradecanoic acid	20.5	20.7		ng/L		101	70 - 130	5	30
Perfluorobutanesulfonic acid	18.1	16.4		ng/L		91	70 - 130	11	30
Perfluorohexanesulfonic acid	18.7	18.8		ng/L		101	70 - 130	14	30
Perfluorooctanesulfonic acid	19.0	17.9		ng/L		94	70 - 130	2	30
NEtFOSAA	20.5	19.7		ng/L		96	70 - 130	1	30
NMeFOSAA	20.5	18.6		ng/L		91	70 - 130	1	30
Perfluoroundecanoic acid	20.5	19.8		ng/L		97	70 - 130	2	30
Perfluorododecanoic acid	20.5	18.6		ng/L		91	70 - 130	1	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	87		70 - 130
13C2 PFDA	92		70 - 130
13C2 PFHxA	95		70 - 130

Lab Sample ID: MB 410-345359/1-A

Matrix: Water

Analysis Batch: 348782

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 345359

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorohexanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1

QC Sample Results

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

Job ID: 410-114241-1
SDG: HOO

Method: 537 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: MB 410-345359/1-A
Matrix: Water
Analysis Batch: 348782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 345359

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorononanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorodecanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
NEtFOSAA	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
NMeFOSAA	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		02/16/23 13:40	02/28/23 18:04	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	110		70 - 130	02/16/23 13:40	02/28/23 18:04	1
13C2 PFDA	106		70 - 130	02/16/23 13:40	02/28/23 18:04	1
13C2 PFHxA	108		70 - 130	02/16/23 13:40	02/28/23 18:04	1

Lab Sample ID: LCS 410-345359/2-A
Matrix: Water
Analysis Batch: 348782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 345359

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanoic acid	20.5	16.9		ng/L		83	70 - 130
Perfluorooctanoic acid	20.5	18.7		ng/L		91	70 - 130
Perfluorononanoic acid	20.5	18.6		ng/L		91	70 - 130
Perfluorodecanoic acid	20.5	18.2		ng/L		89	70 - 130
Perfluorotridecanoic acid	20.5	16.5		ng/L		81	70 - 130
Perfluorotetradecanoic acid	20.5	18.1		ng/L		88	70 - 130
Perfluorobutanesulfonic acid	18.1	14.9		ng/L		82	70 - 130
Perfluorohexanesulfonic acid	18.7	16.1		ng/L		86	70 - 130
Perfluorooctanesulfonic acid	19.0	16.6		ng/L		88	70 - 130
NEtFOSAA	20.5	16.7		ng/L		82	70 - 130
NMeFOSAA	20.5	18.8		ng/L		92	70 - 130
Perfluoroundecanoic acid	20.5	18.3		ng/L		89	70 - 130
Perfluorododecanoic acid	20.5	18.4		ng/L		90	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	112		70 - 130
13C2 PFDA	99		70 - 130
13C2 PFHxA	99		70 - 130

Lab Sample ID: LCSD 410-345359/3-A
Matrix: Water
Analysis Batch: 348782

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 345359

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit

QC Sample Results

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

Job ID: 410-114241-1
 SDG: HOO

Method: 537 DW - Perfluorinated Alkyl Acids (LC/MS) (Continued)

Lab Sample ID: LCSD 410-345359/3-A

Matrix: Water

Analysis Batch: 348782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 345359

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluoroheptanoic acid	20.5	18.6		ng/L		91	70 - 130	10	30	
Perfluorooctanoic acid	20.5	18.9		ng/L		92	70 - 130	1	30	
Perfluorononanoic acid	20.5	19.4		ng/L		95	70 - 130	4	30	
Perfluorodecanoic acid	20.5	20.0		ng/L		98	70 - 130	10	30	
Perfluorotridecanoic acid	20.5	18.7		ng/L		91	70 - 130	12	30	
Perfluorotetradecanoic acid	20.5	19.7		ng/L		96	70 - 130	8	30	
Perfluorobutanesulfonic acid	18.1	17.0		ng/L		94	70 - 130	13	30	
Perfluorohexanesulfonic acid	18.7	17.0		ng/L		91	70 - 130	6	30	
Perfluorooctanesulfonic acid	19.0	17.0		ng/L		90	70 - 130	3	30	
NEtFOSAA	20.5	19.9		ng/L		97	70 - 130	17	30	
NMeFOSAA	20.5	19.7		ng/L		96	70 - 130	5	30	
Perfluoroundecanoic acid	20.5	19.4		ng/L		95	70 - 130	6	30	
Perfluorododecanoic acid	20.5	17.7		ng/L		87	70 - 130	4	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	98		70 - 130
13C2 PFDA	105		70 - 130
13C2 PFHxA	104		70 - 130

QC Association Summary

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

Job ID: 410-114241-1
SDG: HOO

LCMS

Prep Batch: 342736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-114241-6	PV-2_75	Total/NA	Water	537 DW	
MB 410-342736/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-342736/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-342736/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Prep Batch: 342868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-114241-1	GAC Influent	Total/NA	Water	SPE	
410-114241-2	GAC Midfluent	Total/NA	Water	SPE	
410-114241-3	GAC Effluent	Total/NA	Water	SPE	
410-114241-4	PV-2_25	Total/NA	Water	SPE	
410-114241-5	PV-2_50	Total/NA	Water	SPE	
410-114241-6	PV-2_75	Total/NA	Water	SPE	
410-114241-7	FTB01-230202	Total/NA	Water	SPE	
410-114241-8	LTB01-230202	Total/NA	Water	SPE	
MB 410-342868/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-342868/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-342868/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 343756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-114241-1	GAC Influent	Total/NA	Water	537 (Mod)	342868
410-114241-2	GAC Midfluent	Total/NA	Water	537 (Mod)	342868
410-114241-3	GAC Effluent	Total/NA	Water	537 (Mod)	342868
410-114241-4	PV-2_25	Total/NA	Water	537 (Mod)	342868
410-114241-5	PV-2_50	Total/NA	Water	537 (Mod)	342868
410-114241-6	PV-2_75	Total/NA	Water	537 (Mod)	342868
410-114241-7	FTB01-230202	Total/NA	Water	537 (Mod)	342868
410-114241-8	LTB01-230202	Total/NA	Water	537 (Mod)	342868
MB 410-342868/1-A	Method Blank	Total/NA	Water	537 (Mod)	342868
LCS 410-342868/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	342868
LCSD 410-342868/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	342868

Analysis Batch: 344101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-114241-6	PV-2_75	Total/NA	Water	537 DW	342736
MB 410-342736/1-A	Method Blank	Total/NA	Water	537 DW	342736
LCS 410-342736/2-A	Lab Control Sample	Total/NA	Water	537 DW	342736
LCSD 410-342736/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	342736

Prep Batch: 345359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-114241-1	GAC Influent	Total/NA	Water	537 DW	
410-114241-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-114241-2	GAC Midfluent	Total/NA	Water	537 DW	
410-114241-3	GAC Effluent	Total/NA	Water	537 DW	
410-114241-4	PV-2_25	Total/NA	Water	537 DW	
410-114241-4 - DL	PV-2_25	Total/NA	Water	537 DW	
410-114241-5	PV-2_50	Total/NA	Water	537 DW	
410-114241-7	FTB01-230202	Total/NA	Water	537 DW	
410-114241-8	LTB01-230202	Total/NA	Water	537 DW	

QC Association Summary

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

Job ID: 410-114241-1
 SDG: HOO

LCMS (Continued)

Prep Batch: 345359 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-345359/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-345359/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-345359/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 348782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-114241-1	GAC Influent	Total/NA	Water	537 DW	345359
410-114241-2	GAC Midfluent	Total/NA	Water	537 DW	345359
410-114241-3	GAC Effluent	Total/NA	Water	537 DW	345359
410-114241-4	PV-2_25	Total/NA	Water	537 DW	345359
410-114241-5	PV-2_50	Total/NA	Water	537 DW	345359
410-114241-7	FTB01-230202	Total/NA	Water	537 DW	345359
410-114241-8	LTB01-230202	Total/NA	Water	537 DW	345359
MB 410-345359/1-A	Method Blank	Total/NA	Water	537 DW	345359
LCS 410-345359/2-A	Lab Control Sample	Total/NA	Water	537 DW	345359
LCSD 410-345359/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	345359

Analysis Batch: 349574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-114241-1 - DL	GAC Influent	Total/NA	Water	537 DW	345359
410-114241-4 - DL	PV-2_25	Total/NA	Water	537 DW	345359



Lab Chronicle

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: GAC Influent

Lab Sample ID: 410-114241-1

Date Collected: 02/02/23 09:10

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 04:20
Total/NA	Prep	537 DW			345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW		1	348782	TAS6	ELLE	02/28/23 18:51
Total/NA	Prep	537 DW	DL		345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW	DL	10	349574	TAS6	ELLE	03/02/23 13:24

Client Sample ID: GAC Midfluent

Lab Sample ID: 410-114241-2

Date Collected: 02/02/23 09:20

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 04:31
Total/NA	Prep	537 DW			345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW		1	348782	TAS6	ELLE	02/28/23 19:02

Client Sample ID: GAC Effluent

Lab Sample ID: 410-114241-3

Date Collected: 02/02/23 09:25

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 05:04
Total/NA	Prep	537 DW			345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW		1	348782	TAS6	ELLE	02/28/23 19:14

Client Sample ID: PV-2_25

Lab Sample ID: 410-114241-4

Date Collected: 02/02/23 09:35

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 05:26
Total/NA	Prep	537 DW			345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW		1	348782	TAS6	ELLE	02/28/23 19:25
Total/NA	Prep	537 DW	DL		345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW	DL	10	349574	TAS6	ELLE	03/02/23 13:47

Client Sample ID: PV-2_50

Lab Sample ID: 410-114241-5

Date Collected: 02/02/23 09:45

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 05:37

Lab Chronicle

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

Job ID: 410-114241-1
SDG: HOO

Client Sample ID: PV-2_50

Lab Sample ID: 410-114241-5

Date Collected: 02/02/23 09:45

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 DW			345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW		1	348782	TAS6	ELLE	02/28/23 19:37

Client Sample ID: PV-2_75

Lab Sample ID: 410-114241-6

Date Collected: 02/02/23 10:00

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 05:48
Total/NA	Prep	537 DW			342736	HQ8B	ELLE	02/08/23 13:17
Total/NA	Analysis	537 DW		1	344101	DCS9	ELLE	02/13/23 22:14

Client Sample ID: FTB01-230202

Lab Sample ID: 410-114241-7

Date Collected: 02/02/23 10:10

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 05:59
Total/NA	Prep	537 DW			345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW		1	348782	TAS6	ELLE	02/28/23 19:48

Client Sample ID: LTB01-230202

Lab Sample ID: 410-114241-8

Date Collected: 02/02/23 00:00

Matrix: Water

Date Received: 02/03/23 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			342868	K9VR	ELLE	02/08/23 17:58
Total/NA	Analysis	537 (Mod)		1	343756	VK3G	ELLE	02/11/23 06:11
Total/NA	Prep	537 DW			345359	HQ8B	ELLE	02/16/23 13:40
Total/NA	Analysis	537 DW		1	348782	TAS6	ELLE	02/28/23 20:00

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: 410-114241-1
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	04-01-23

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: 410-114241-1
SDG: HOO

Method	Method Description	Protocol	Laboratory
537 (Mod)	EPA 537 Version 1.1 modified	EPA	ELLE
537 DW	Perfluorinated Alkyl Acids (LC/MS)	EPA	ELLE
537 DW	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: 410-114241-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-114241-1	GAC Influent	Water	02/02/23 09:10	02/03/23 09:52
410-114241-2	GAC Midfluent	Water	02/02/23 09:20	02/03/23 09:52
410-114241-3	GAC Effluent	Water	02/02/23 09:25	02/03/23 09:52
410-114241-4	PV-2_25	Water	02/02/23 09:35	02/03/23 09:52
410-114241-5	PV-2_50	Water	02/02/23 09:45	02/03/23 09:52
410-114241-6	PV-2_75	Water	02/02/23 10:00	02/03/23 09:52
410-114241-7	FTB01-230202	Water	02/02/23 10:10	02/03/23 09:52
410-114241-8	LTB01-230202	Water	02/02/23 00:00	02/03/23 09:52

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410-114241 Chain of Custody

s Environme

Chain of Custody Record



Environment Testing

Sampler: Carter Benoit		Lab PM: Hobart, Paul	Carrier Tracking No(s):	COC No: 410-77604-21525.1
Phone:		E-Mail: Paul.Hobart@et.eurofinsus.com	State of Origin: NJ	Page: 1 of 2 CP

Jonathan Dippert, **Kirk Moline**

Company: CT Male Associates DPC	PWSID:	Analysis Requested		Job #:
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Address: 50 Century Hill Dr	Due Date Requested:	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA - (MOO) 7 PFAS Compounds 537_DW - 14 PFAS Drinking Water List 537_DW - 14 PFAS Drinking Water List	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 - EDTA Y - Trizma Z - other (specify)
City: Latham	TAT Requested (days): Standard			
State, Zip: NY, 12110	Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No			
Phone: 58-786-7400	PO #: Purchase Order not required			
Email: j.dippert@ctmale.com, k.moline@ctmale.com	WO #:			
Project Name: Hoosick Falls WTP	Project #: 41000511			Other: Trizma
Site: SGPP-McAfferrey	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - (MOO) 7 PFAS Compounds	537_DW - 14 PFAS Drinking Water List	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	Y	N		
GAC INFLUENT	2/2/2023	9:10	G	Water	N	N	X	X		8	Batch of 1/4 collected here
GAC MIDFLUENT	2/2/2023	9:20	G	Water			X	X		4	
CAC EFFLUENT	2/2/2023	9:25	G	Water			X	X		4	
PV-2_25	2/2/2023	9:35	G	Water			X	X		4	
PV-2_50	2/2/2023	9:45	G	Water			X	X		4	
PV-2_75	2/2/2023	10:00	G	Water			X	X		4	
FT801-230202	2/2/2023	10:10	G	Water			X	X		4	
LT801-230202	2/2/2023	---	G	Water			X	X		4	
				Water							
				Water							
				Water							

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
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Deliverable Requested: I, II, III, IV, Other (specify) EQUIS 1Eite ASP-8	Special Instructions/QC Requirements:
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Empty Kit Relinquished by:	Date: _____	Time: _____	Method of Shipment:
Relinquished by:	Date/Time: 2/2/23 10:47	Company: CR	Received by: _____
Relinquished by: Carter Benoit	Date/Time: 2/2/2023 13:00	Company: CTM	Received by: _____
Relinquished by: _____	Date/Time: _____	Company: _____	Received by:
			Date/Time: 2/3/23 0952
			Company: Mut

Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.: 817409954250	Cooler Temperature(s) °C and Other Remarks: 1.3
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Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-114241-1

SDG Number: HOO

Login Number: 114241

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: McBeth, Jessica

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 is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, 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	

