



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kirk Moline
CT Male Associates DPC
50 Century Hill Dr
Latham New York 12110
Generated 11/22/2022 2:42:57 AM

JOB DESCRIPTION

Hoosick Falls WTP
SDG NUMBER HOO

JOB NUMBER

410-104414-1

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Definitions/Glossary

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

Job ID: 410-104414-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
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: 410-104414-1
SDG: HOO

Job ID: 410-104414-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-104414-1

Receipt

The samples were received on 11/4/2022 9:00 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.

Detection Summary

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

Job ID: 410-104414-1
SDG: HOO

Client Sample ID: GAC Influent

Lab Sample ID: 410-104414-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide	2.1		1.7	ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	3.6		1.7	ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	9.7		1.8	ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	10		1.8	ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.5		1.8	ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	370		18	ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midfuent

Lab Sample ID: 410-104414-2

No Detections.

Client Sample ID: GAC Effluent

Lab Sample ID: 410-104414-3

No Detections.

Client Sample ID: LTB01-221103

Lab Sample ID: 410-104414-4

No Detections.

Client Sample ID: FTB01-221103

Lab Sample ID: 410-104414-5

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: 410-104414-1
SDG: HOO

Client Sample ID: GAC Influent

Lab Sample ID: 410-104414-1

Date Collected: 11/03/22 09:30

Matrix: Water

Date Received: 11/04/22 09:00

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	4.2	U	4.2	ng/L		11/16/22 08:36	11/18/22 07:07	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5	ng/L		11/16/22 08:36	11/18/22 07:07	1
Perfluorobutanoic acid	4.2	U	4.2	ng/L		11/16/22 08:36	11/18/22 07:07	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		11/16/22 08:36	11/18/22 07:07	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		11/16/22 08:36	11/18/22 07:07	1
Perfluorooctanesulfonamide	2.1		1.7	ng/L		11/16/22 08:36	11/18/22 07:07	1
Perfluoropentanoic acid	3.6		1.7	ng/L		11/16/22 08:36	11/18/22 07:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	118		17 - 200	11/16/22 08:36	11/18/22 07:07	1
M2-8:2 FTS	96		33 - 200	11/16/22 08:36	11/18/22 07:07	1
13C4 PFBA	114		42 - 165	11/16/22 08:36	11/18/22 07:07	1
13C5 PFPeA	125		38 - 187	11/16/22 08:36	11/18/22 07:07	1
13C8 PFOS	106		51 - 159	11/16/22 08:36	11/18/22 07:07	1
13C8 FOSA	80		10 - 168	11/16/22 08:36	11/18/22 07:07	1
13C3 PFHxS	119		28 - 188	11/16/22 08:36	11/18/22 07:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	9.7		1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluoroheptanoic acid	10		1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorooctanesulfonic acid	3.5		1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
NEtFOSAA	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
NMeFOSAA	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		11/16/22 12:27	11/18/22 14:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	106		70 - 130	11/16/22 12:27	11/18/22 14:19	1
13C2 PFDA	104		70 - 130	11/16/22 12:27	11/18/22 14:19	1
13C2 PFHxA	114		70 - 130	11/16/22 12:27	11/18/22 14:19	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	370		18	ng/L		11/16/22 12:27	11/21/22 17:13	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	112		70 - 130	11/16/22 12:27	11/21/22 17:13	10
13C2 PFDA	96		70 - 130	11/16/22 12:27	11/21/22 17:13	10
13C2 PFHxA	106		70 - 130	11/16/22 12:27	11/21/22 17:13	10

Client Sample Results

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

Job ID: 410-104414-1
SDG: HOO

Client Sample ID: GAC Midfuent

Lab Sample ID: 410-104414-2

Date Collected: 11/03/22 09:35

Matrix: Water

Date Received: 11/04/22 09:00

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	4.4	U	4.4	ng/L		11/16/22 08:36	11/18/22 07:18	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7	ng/L		11/16/22 08:36	11/18/22 07:18	1
Perfluorobutanoic acid	4.4	U	4.4	ng/L		11/16/22 08:36	11/18/22 07:18	1
Perfluorodecanesulfonic acid	1.8	U	1.8	ng/L		11/16/22 08:36	11/18/22 07:18	1
Perfluoroheptanesulfonic acid	1.8	U	1.8	ng/L		11/16/22 08:36	11/18/22 07:18	1
Perfluorooctanesulfonamide	1.8	U	1.8	ng/L		11/16/22 08:36	11/18/22 07:18	1
Perfluoropentanoic acid	1.8	U	1.8	ng/L		11/16/22 08:36	11/18/22 07:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	116		17 - 200	11/16/22 08:36	11/18/22 07:18	1
M2-8:2 FTS	88		33 - 200	11/16/22 08:36	11/18/22 07:18	1
13C4 PFBA	111		42 - 165	11/16/22 08:36	11/18/22 07:18	1
13C5 PFPeA	121		38 - 187	11/16/22 08:36	11/18/22 07:18	1
13C8 PFOS	116		51 - 159	11/16/22 08:36	11/18/22 07:18	1
13C8 FOSA	91		10 - 168	11/16/22 08:36	11/18/22 07:18	1
13C3 PFHxS	111		28 - 188	11/16/22 08:36	11/18/22 07:18	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		11/11/22 11:54	11/14/22 20:15	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
NEtFOSAA	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
NMeFOSAA	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		11/11/22 11:54	11/14/22 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	108		70 - 130	11/11/22 11:54	11/14/22 20:15	1
13C2 PFDA	99		70 - 130	11/11/22 11:54	11/14/22 20:15	1
13C2 PFHxA	101		70 - 130	11/11/22 11:54	11/14/22 20:15	1

Client Sample Results

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

Job ID: 410-104414-1
SDG: HOO

Client Sample ID: GAC Effluent

Lab Sample ID: 410-104414-3

Date Collected: 11/03/22 09:45

Matrix: Water

Date Received: 11/04/22 09:00

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	4.3	U	4.3	ng/L		11/16/22 08:36	11/18/22 07:29	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6	ng/L		11/16/22 08:36	11/18/22 07:29	1
Perfluorobutanoic acid	4.3	U	4.3	ng/L		11/16/22 08:36	11/18/22 07:29	1
Perfluorodecanesulfonic acid	1.7	U	1.7	ng/L		11/16/22 08:36	11/18/22 07:29	1
Perfluoroheptanesulfonic acid	1.7	U	1.7	ng/L		11/16/22 08:36	11/18/22 07:29	1
Perfluorooctanesulfonamide	1.7	U	1.7	ng/L		11/16/22 08:36	11/18/22 07:29	1
Perfluoropentanoic acid	1.7	U	1.7	ng/L		11/16/22 08:36	11/18/22 07:29	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	116		17 - 200	11/16/22 08:36	11/18/22 07:29	1
M2-8:2 FTS	95		33 - 200	11/16/22 08:36	11/18/22 07:29	1
13C4 PFBA	113		42 - 165	11/16/22 08:36	11/18/22 07:29	1
13C5 PFPeA	119		38 - 187	11/16/22 08:36	11/18/22 07:29	1
13C8 PFOS	122		51 - 159	11/16/22 08:36	11/18/22 07:29	1
13C8 FOSA	101		10 - 168	11/16/22 08:36	11/18/22 07:29	1
13C3 PFHxS	113		28 - 188	11/16/22 08:36	11/18/22 07:29	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		11/11/22 11:54	11/14/22 20:27	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
NEtFOSAA	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
NMeFOSAA	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		11/11/22 11:54	11/14/22 20:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	96		70 - 130	11/11/22 11:54	11/14/22 20:27	1
13C2 PFDA	93		70 - 130	11/11/22 11:54	11/14/22 20:27	1
13C2 PFHxA	100		70 - 130	11/11/22 11:54	11/14/22 20:27	1

Client Sample Results

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

Job ID: 410-104414-1
SDG: HOO

Client Sample ID: LTB01-221103

Lab Sample ID: 410-104414-4

Date Collected: 11/03/22 00:00

Matrix: Water

Date Received: 11/04/22 09:00

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	4.9	U	4.9	ng/L		11/16/22 08:36	11/18/22 07:40	1
8:2 Fluorotelomer sulfonic acid	2.9	U	2.9	ng/L		11/16/22 08:36	11/18/22 07:40	1
Perfluorobutanoic acid	4.9	U	4.9	ng/L		11/16/22 08:36	11/18/22 07:40	1
Perfluorodecanesulfonic acid	1.9	U	1.9	ng/L		11/16/22 08:36	11/18/22 07:40	1
Perfluoroheptanesulfonic acid	1.9	U	1.9	ng/L		11/16/22 08:36	11/18/22 07:40	1
Perfluorooctanesulfonamide	1.9	U	1.9	ng/L		11/16/22 08:36	11/18/22 07:40	1
Perfluoropentanoic acid	1.9	U	1.9	ng/L		11/16/22 08:36	11/18/22 07:40	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	114		17 - 200	11/16/22 08:36	11/18/22 07:40	1
M2-8:2 FTS	97		33 - 200	11/16/22 08:36	11/18/22 07:40	1
13C4 PFBA	112		42 - 165	11/16/22 08:36	11/18/22 07:40	1
13C5 PFPeA	118		38 - 187	11/16/22 08:36	11/18/22 07:40	1
13C8 PFOS	122		51 - 159	11/16/22 08:36	11/18/22 07:40	1
13C8 FOSA	94		10 - 168	11/16/22 08:36	11/18/22 07:40	1
13C3 PFHxS	117		28 - 188	11/16/22 08:36	11/18/22 07:40	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		11/11/22 11:54	11/14/22 20:39	1
Perfluoroheptanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorooctanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorononanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorodecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorotridecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorotetradecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorobutanesulfonic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorohexanesulfonic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorooctanesulfonic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
NEtFOSAA	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
NMeFOSAA	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluoroundecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1
Perfluorododecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	107		70 - 130	11/11/22 11:54	11/14/22 20:39	1
13C2 PFDA	92		70 - 130	11/11/22 11:54	11/14/22 20:39	1
13C2 PFHxA	94		70 - 130	11/11/22 11:54	11/14/22 20:39	1

Client Sample Results

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

Job ID: 410-104414-1
SDG: HOO

Client Sample ID: FTB01-221103

Lab Sample ID: 410-104414-5

Date Collected: 11/03/22 09:50

Matrix: Water

Date Received: 11/04/22 09:00

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	4.9	U	4.9	ng/L		11/16/22 08:36	11/18/22 07:51	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0	ng/L		11/16/22 08:36	11/18/22 07:51	1
Perfluorobutanoic acid	4.9	U	4.9	ng/L		11/16/22 08:36	11/18/22 07:51	1
Perfluorodecanesulfonic acid	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 07:51	1
Perfluoroheptanesulfonic acid	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 07:51	1
Perfluorooctanesulfonamide	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 07:51	1
Perfluoropentanoic acid	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 07:51	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	108		17 - 200	11/16/22 08:36	11/18/22 07:51	1
M2-8:2 FTS	96		33 - 200	11/16/22 08:36	11/18/22 07:51	1
13C4 PFBA	106		42 - 165	11/16/22 08:36	11/18/22 07:51	1
13C5 PFPeA	110		38 - 187	11/16/22 08:36	11/18/22 07:51	1
13C8 PFOS	112		51 - 159	11/16/22 08:36	11/18/22 07:51	1
13C8 FOSA	84		10 - 168	11/16/22 08:36	11/18/22 07:51	1
13C3 PFHxS	105		28 - 188	11/16/22 08:36	11/18/22 07:51	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		11/11/22 11:54	11/14/22 20:50	1
Perfluoroheptanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorooctanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorononanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorodecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorotridecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorotetradecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorobutanesulfonic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorohexanesulfonic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorooctanesulfonic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
NEtFOSAA	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
NMeFOSAA	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluoroundecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1
Perfluorododecanoic acid	1.9	U	1.9	ng/L		11/11/22 11:54	11/14/22 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	100		70 - 130	11/11/22 11:54	11/14/22 20:50	1
13C2 PFDA	98		70 - 130	11/11/22 11:54	11/14/22 20:50	1
13C2 PFHxA	95		70 - 130	11/11/22 11:54	11/14/22 20:50	1

Surrogate Summary

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

Job ID: 410-104414-1
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)
410-104414-1	GAC Influent	106	104	114
410-104414-1 - DL	GAC Influent	112	96	106
410-104414-2	GAC Midfuent	108	99	101
410-104414-3	GAC Effluent	96	93	100
410-104414-4	LTB01-221103	107	92	94
410-104414-5	FTB01-221103	100	98	95
LCS 410-316694/2-A	Lab Control Sample	109	99	99
LCS 410-318221/2-A	Lab Control Sample	101	101	97
LCSD 410-316694/3-A	Lab Control Sample Dup	91	105	100
LCSD 410-318221/3-A	Lab Control Sample Dup	93	92	90
MB 410-316694/1-A	Method Blank	93	91	95
MB 410-318221/1-A	Method Blank	107	92	96

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: 410-104414-1
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)
410-104414-1	GAC Influent	118	96	114	125	106	80	119
410-104414-2	GAC Midfuent	116	88	111	121	116	91	111
410-104414-3	GAC Effluent	116	95	113	119	122	101	113
410-104414-4	LTB01-221103	114	97	112	118	122	94	117
410-104414-5	FTB01-221103	108	96	106	110	112	84	105
LCS 410-318066/3-A	Lab Control Sample	108	95	109	114	121	96	109
LCSD 410-318066/4-A	Lab Control Sample Dup	107	100	113	121	120	90	112
MB 410-318066/1-A	Method Blank	105	93	113	116	116	90	102

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: 410-104414-1
SDG: HOO

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

Lab Sample ID: MB 410-318066/1-A

Matrix: Water

Analysis Batch: 318791

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 318066

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0	ng/L		11/16/22 08:36	11/18/22 05:49	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0	ng/L		11/16/22 08:36	11/18/22 05:49	1
Perfluorobutanoic acid	5.0	U	5.0	ng/L		11/16/22 08:36	11/18/22 05:49	1
Perfluorodecanesulfonic acid	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 05:49	1
Perfluoroheptanesulfonic acid	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 05:49	1
Perfluorooctanesulfonamide	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 05:49	1
Perfluoropentanoic acid	2.0	U	2.0	ng/L		11/16/22 08:36	11/18/22 05:49	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	105		17 - 200	11/16/22 08:36	11/18/22 05:49	1
M2-8:2 FTS	93		33 - 200	11/16/22 08:36	11/18/22 05:49	1
13C4 PFBA	113		42 - 165	11/16/22 08:36	11/18/22 05:49	1
13C5 PFPeA	116		38 - 187	11/16/22 08:36	11/18/22 05:49	1
13C8 PFOS	116		51 - 159	11/16/22 08:36	11/18/22 05:49	1
13C8 FOSA	90		10 - 168	11/16/22 08:36	11/18/22 05:49	1
13C3 PFHxS	102		28 - 188	11/16/22 08:36	11/18/22 05:49	1

Lab Sample ID: LCS 410-318066/3-A

Matrix: Water

Analysis Batch: 318791

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 318066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
6:2 Fluorotelomer sulfonic acid	24.3	24.6		ng/L		102	28 - 173
8:2 Fluorotelomer sulfonic acid	24.5	26.9		ng/L		110	55 - 138
Perfluorobutanoic acid	25.6	26.1		ng/L		102	59 - 136
Perfluorodecanesulfonic acid	24.7	23.5		ng/L		95	55 - 137
Perfluoroheptanesulfonic acid	24.4	26.0		ng/L		107	56 - 140
Perfluorooctanesulfonamide	25.6	29.1		ng/L		114	43 - 167
Perfluoropentanoic acid	25.6	25.9		ng/L		101	57 - 141

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	108		17 - 200
M2-8:2 FTS	95		33 - 200
13C4 PFBA	109		42 - 165
13C5 PFPeA	114		38 - 187
13C8 PFOS	121		51 - 159
13C8 FOSA	96		10 - 168
13C3 PFHxS	109		28 - 188

Lab Sample ID: LCSD 410-318066/4-A

Matrix: Water

Analysis Batch: 318791

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 318066

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid	24.3	25.8		ng/L		106	28 - 173	4	30
8:2 Fluorotelomer sulfonic acid	24.5	27.6		ng/L		113	55 - 138	3	30
Perfluorobutanoic acid	25.6	26.8		ng/L		105	59 - 136	3	30
Perfluorodecanesulfonic acid	24.7	22.9		ng/L		93	55 - 137	2	30
Perfluoroheptanesulfonic acid	24.4	25.8		ng/L		106	56 - 140	1	30

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QC Sample Results

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

Job ID: 410-104414-1
SDG: HOO

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

Lab Sample ID: LCSD 410-318066/4-A

Matrix: Water

Analysis Batch: 318791

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 318066

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonamide	25.6	30.2		ng/L		118	43 - 167	4	30
Perfluoropentanoic acid	25.6	26.1		ng/L		102	57 - 141	1	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
M2-6:2 FTS	107		17 - 200
M2-8:2 FTS	100		33 - 200
13C4 PFBA	113		42 - 165
13C5 PFPeA	121		38 - 187
13C8 PFOS	120		51 - 159
13C8 FOSA	90		10 - 168
13C3 PFHxS	112		28 - 188

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

Lab Sample ID: MB 410-316694/1-A

Matrix: Water

Analysis Batch: 317374

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 316694

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorononanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorodecanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
NEtFOSAA	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
NMeFOSAA	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		11/11/22 11:54	11/14/22 19:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	93		70 - 130	11/11/22 11:54	11/14/22 19:06	1
13C2 PFDA	91		70 - 130	11/11/22 11:54	11/14/22 19:06	1
13C2 PFHxA	95		70 - 130	11/11/22 11:54	11/14/22 19:06	1

Lab Sample ID: LCS 410-316694/2-A

Matrix: Water

Analysis Batch: 317374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 316694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorohexanoic acid	20.5	19.9		ng/L		97	70 - 130
Perfluoroheptanoic acid	20.5	19.5		ng/L		95	70 - 130
Perfluorooctanoic acid	20.5	19.8		ng/L		97	70 - 130
Perfluorononanoic acid	20.5	19.2		ng/L		94	70 - 130
Perfluorodecanoic acid	20.5	20.0		ng/L		97	70 - 130

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QC Sample Results

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

Job ID: 410-104414-1
SDG: HOO

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

Lab Sample ID: LCS 410-316694/2-A

Matrix: Water

Analysis Batch: 317374

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 316694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorotridecanoic acid	20.5	18.9		ng/L		92	70 - 130
Perfluorotetradecanoic acid	20.5	18.8		ng/L		92	70 - 130
Perfluorobutanesulfonic acid	18.1	17.3		ng/L		95	70 - 130
Perfluorohexanesulfonic acid	18.7	18.2		ng/L		97	70 - 130
Perfluorooctanesulfonic acid	19.0	18.1		ng/L		96	70 - 130
NEtFOSAA	20.5	21.3		ng/L		104	70 - 130
NMeFOSAA	20.5	19.6		ng/L		96	70 - 130
Perfluoroundecanoic acid	20.5	20.2		ng/L		99	70 - 130
Perfluorododecanoic acid	20.5	19.3		ng/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
d5-NEtFOSAA	109		70 - 130
13C2 PFDA	99		70 - 130
13C2 PFHxA	99		70 - 130

Lab Sample ID: LCSD 410-316694/3-A

Matrix: Water

Analysis Batch: 317374

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 316694

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Perfluorohexanoic acid	20.5	20.2		ng/L		98	70 - 130	1	30
Perfluoroheptanoic acid	20.5	20.1		ng/L		98	70 - 130	3	30
Perfluorooctanoic acid	20.5	20.4		ng/L		99	70 - 130	3	30
Perfluorononanoic acid	20.5	19.5		ng/L		95	70 - 130	2	30
Perfluorodecanoic acid	20.5	21.1		ng/L		103	70 - 130	5	30
Perfluorotridecanoic acid	20.5	19.3		ng/L		94	70 - 130	2	30
Perfluorotetradecanoic acid	20.5	20.0		ng/L		98	70 - 130	6	30
Perfluorobutanesulfonic acid	18.1	16.4		ng/L		91	70 - 130	5	30
Perfluorohexanesulfonic acid	18.7	19.0		ng/L		102	70 - 130	4	30
Perfluorooctanesulfonic acid	19.0	18.4		ng/L		97	70 - 130	2	30
NEtFOSAA	20.5	20.3		ng/L		99	70 - 130	5	30
NMeFOSAA	20.5	18.1		ng/L		88	70 - 130	8	30
Perfluoroundecanoic acid	20.5	21.5		ng/L		105	70 - 130	6	30
Perfluorododecanoic acid	20.5	19.9		ng/L		97	70 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
d5-NEtFOSAA	91		70 - 130
13C2 PFDA	105		70 - 130
13C2 PFHxA	100		70 - 130

Lab Sample ID: MB 410-318221/1-A

Matrix: Water

Analysis Batch: 318799

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 318221

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-104414-1
SDG: HOO

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

Lab Sample ID: MB 410-318221/1-A

Matrix: Water

Analysis Batch: 318799

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 318221

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorononanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorodecanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
NEtFOSAA	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
NMeFOSAA	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		11/16/22 12:27	11/18/22 13:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	107		70 - 130	11/16/22 12:27	11/18/22 13:33	1
13C2 PFDA	92		70 - 130	11/16/22 12:27	11/18/22 13:33	1
13C2 PFHxA	96		70 - 130	11/16/22 12:27	11/18/22 13:33	1

Lab Sample ID: LCS 410-318221/2-A

Matrix: Water

Analysis Batch: 318799

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 318221

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Perfluorohexanoic acid	80.0	74.2		ng/L		93	70 - 130
Perfluoroheptanoic acid	80.0	84.4	E	ng/L		106	70 - 130
Perfluorooctanoic acid	80.0	78.3		ng/L		98	70 - 130
Perfluorononanoic acid	80.0	74.2		ng/L		93	70 - 130
Perfluorodecanoic acid	80.0	79.8		ng/L		100	70 - 130
Perfluorotridecanoic acid	80.0	78.6		ng/L		98	70 - 130
Perfluorotetradecanoic acid	80.0	85.0	E	ng/L		106	70 - 130
Perfluorobutanesulfonic acid	70.8	58.3		ng/L		82	70 - 130
Perfluorohexanesulfonic acid	73.0	71.5		ng/L		98	70 - 130
Perfluorooctanesulfonic acid	74.0	70.8		ng/L		96	70 - 130
NEtFOSAA	80.0	70.1		ng/L		88	70 - 130
NMeFOSAA	80.0	73.9		ng/L		92	70 - 130
Perfluoroundecanoic acid	80.0	81.1	E	ng/L		101	70 - 130
Perfluorododecanoic acid	80.0	76.1		ng/L		95	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	101		70 - 130
13C2 PFDA	101		70 - 130
13C2 PFHxA	97		70 - 130

Lab Sample ID: LCSD 410-318221/3-A

Matrix: Water

Analysis Batch: 318799

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 318221

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
		Result	Qualifier						
Perfluorohexanoic acid	80.0	71.2		ng/L		89	70 - 130	4	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

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

Job ID: 410-104414-1
SDG: HOO

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

Lab Sample ID: LCSD 410-318221/3-A

Matrix: Water

Analysis Batch: 318799

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 318221

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanoic acid	80.0	81.9	E	ng/L		102	70 - 130	3	30
Perfluorooctanoic acid	80.0	76.3		ng/L		95	70 - 130	3	30
Perfluorononanoic acid	80.0	78.0		ng/L		98	70 - 130	5	30
Perfluorodecanoic acid	80.0	74.0		ng/L		93	70 - 130	8	30
Perfluorotridecanoic acid	80.0	75.8		ng/L		95	70 - 130	4	30
Perfluorotetradecanoic acid	80.0	78.3		ng/L		98	70 - 130	8	30
Perfluorobutanesulfonic acid	70.8	56.5		ng/L		80	70 - 130	3	30
Perfluorohexanesulfonic acid	73.0	73.7	E	ng/L		101	70 - 130	3	30
Perfluorooctanesulfonic acid	74.0	72.2		ng/L		98	70 - 130	2	30
NEtFOSAA	80.0	79.9		ng/L		100	70 - 130	13	30
NMeFOSAA	80.0	81.6	E	ng/L		102	70 - 130	10	30
Perfluoroundecanoic acid	80.0	76.4		ng/L		96	70 - 130	6	30
Perfluorododecanoic acid	80.0	77.1		ng/L		96	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
d5-NEtFOSAA	93		70 - 130
13C2 PFDA	92		70 - 130
13C2 PFHxA	90		70 - 130

QC Association Summary

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

Job ID: 410-104414-1
SDG: HOO

LCMS

Prep Batch: 316694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-104414-2	GAC Midfuent	Total/NA	Water	537 DW	
410-104414-3	GAC Effluent	Total/NA	Water	537 DW	
410-104414-4	LTB01-221103	Total/NA	Water	537 DW	
410-104414-5	FTB01-221103	Total/NA	Water	537 DW	
MB 410-316694/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-316694/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-316694/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 317374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-104414-2	GAC Midfuent	Total/NA	Water	537 DW	316694
410-104414-3	GAC Effluent	Total/NA	Water	537 DW	316694
410-104414-4	LTB01-221103	Total/NA	Water	537 DW	316694
410-104414-5	FTB01-221103	Total/NA	Water	537 DW	316694
MB 410-316694/1-A	Method Blank	Total/NA	Water	537 DW	316694
LCS 410-316694/2-A	Lab Control Sample	Total/NA	Water	537 DW	316694
LCSD 410-316694/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	316694

Prep Batch: 318066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-104414-1	GAC Influent	Total/NA	Water	537 (Mod)	
410-104414-2	GAC Midfuent	Total/NA	Water	537 (Mod)	
410-104414-3	GAC Effluent	Total/NA	Water	537 (Mod)	
410-104414-4	LTB01-221103	Total/NA	Water	537 (Mod)	
410-104414-5	FTB01-221103	Total/NA	Water	537 (Mod)	
MB 410-318066/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-318066/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
LCSD 410-318066/4-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	

Prep Batch: 318221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-104414-1	GAC Influent	Total/NA	Water	537 DW	
410-104414-1 - DL	GAC Influent	Total/NA	Water	537 DW	
MB 410-318221/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-318221/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-318221/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 318791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-104414-1	GAC Influent	Total/NA	Water	537 (Mod)	318066
410-104414-2	GAC Midfuent	Total/NA	Water	537 (Mod)	318066
410-104414-3	GAC Effluent	Total/NA	Water	537 (Mod)	318066
410-104414-4	LTB01-221103	Total/NA	Water	537 (Mod)	318066
410-104414-5	FTB01-221103	Total/NA	Water	537 (Mod)	318066
MB 410-318066/1-A	Method Blank	Total/NA	Water	537 (Mod)	318066
LCS 410-318066/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	318066
LCSD 410-318066/4-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	318066

Analysis Batch: 318799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-104414-1	GAC Influent	Total/NA	Water	537 DW	318221

QC Association Summary

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

Job ID: 410-104414-1
SDG: HOO

LCMS (Continued)

Analysis Batch: 318799 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-318221/1-A	Method Blank	Total/NA	Water	537 DW	318221
LCS 410-318221/2-A	Lab Control Sample	Total/NA	Water	537 DW	318221
LCSD 410-318221/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	318221

Analysis Batch: 319852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-104414-1 - DL	GAC Influent	Total/NA	Water	537 DW	318221

Lab Chronicle

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

Job ID: 410-104414-1
SDG: HOO

Client Sample ID: GAC Influent

Lab Sample ID: 410-104414-1

Date Collected: 11/03/22 09:30

Matrix: Water

Date Received: 11/04/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			318066	RC3V	ELLE	11/16/22 08:36
Total/NA	Analysis	537 (Mod)		1	318791	JVK6	ELLE	11/18/22 07:07
Total/NA	Prep	537 DW			318221	HQ8B	ELLE	11/16/22 12:27
Total/NA	Analysis	537 DW		1	318799	DCS9	ELLE	11/18/22 14:19
Total/NA	Prep	537 DW	DL		318221	HQ8B	ELLE	11/16/22 12:27
Total/NA	Analysis	537 DW	DL	10	319852	TAS6	ELLE	11/21/22 17:13

Client Sample ID: GAC Midfuent

Lab Sample ID: 410-104414-2

Date Collected: 11/03/22 09:35

Matrix: Water

Date Received: 11/04/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			318066	RC3V	ELLE	11/16/22 08:36
Total/NA	Analysis	537 (Mod)		1	318791	JVK6	ELLE	11/18/22 07:18
Total/NA	Prep	537 DW			316694	HQ8B	ELLE	11/11/22 11:54
Total/NA	Analysis	537 DW		1	317374	DCS9	ELLE	11/14/22 20:15

Client Sample ID: GAC Effluent

Lab Sample ID: 410-104414-3

Date Collected: 11/03/22 09:45

Matrix: Water

Date Received: 11/04/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			318066	RC3V	ELLE	11/16/22 08:36
Total/NA	Analysis	537 (Mod)		1	318791	JVK6	ELLE	11/18/22 07:29
Total/NA	Prep	537 DW			316694	HQ8B	ELLE	11/11/22 11:54
Total/NA	Analysis	537 DW		1	317374	DCS9	ELLE	11/14/22 20:27

Client Sample ID: LTB01-221103

Lab Sample ID: 410-104414-4

Date Collected: 11/03/22 00:00

Matrix: Water

Date Received: 11/04/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			318066	RC3V	ELLE	11/16/22 08:36
Total/NA	Analysis	537 (Mod)		1	318791	JVK6	ELLE	11/18/22 07:40
Total/NA	Prep	537 DW			316694	HQ8B	ELLE	11/11/22 11:54
Total/NA	Analysis	537 DW		1	317374	DCS9	ELLE	11/14/22 20:39

Client Sample ID: FTB01-221103

Lab Sample ID: 410-104414-5

Date Collected: 11/03/22 09:50

Matrix: Water

Date Received: 11/04/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			318066	RC3V	ELLE	11/16/22 08:36
Total/NA	Analysis	537 (Mod)		1	318791	JVK6	ELLE	11/18/22 07:51
Total/NA	Prep	537 DW			316694	HQ8B	ELLE	11/11/22 11:54
Total/NA	Analysis	537 DW		1	317374	DCS9	ELLE	11/14/22 20:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

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

Job ID: 410-104414-1
SDG: HOO

Laboratory References:

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

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Accreditation/Certification Summary

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

Job ID: 410-104414-1
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)	537 (Mod)	Water	6:2 Fluorotelomer sulfonic acid
537 (Mod)	537 (Mod)	Water	8:2 Fluorotelomer sulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluorobutanoic acid
537 (Mod)	537 (Mod)	Water	Perfluorodecanesulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluoroheptanesulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluorooctanesulfonamide
537 (Mod)	537 (Mod)	Water	Perfluoropentanoic acid
537 DW	537 DW	Water	NEtFOSAA
537 DW	537 DW	Water	NMeFOSAA
537 DW	537 DW	Water	Perfluorobutanesulfonic acid
537 DW	537 DW	Water	Perfluorodecanoic acid
537 DW	537 DW	Water	Perfluorododecanoic acid
537 DW	537 DW	Water	Perfluoroheptanoic acid
537 DW	537 DW	Water	Perfluorohexanesulfonic acid
537 DW	537 DW	Water	Perfluorohexanoic acid
537 DW	537 DW	Water	Perfluorononanoic acid
537 DW	537 DW	Water	Perfluorooctanesulfonic acid
537 DW	537 DW	Water	Perfluorooctanoic acid
537 DW	537 DW	Water	Perfluorotetradecanoic acid
537 DW	537 DW	Water	Perfluorotridecanoic acid
537 DW	537 DW	Water	Perfluoroundecanoic acid

Method Summary

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

Job ID: 410-104414-1
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 (Mod)	537 Version 1.1 modified	EPA	ELLE
537 DW	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

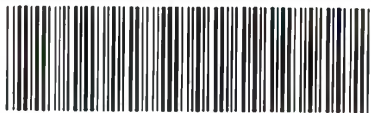
ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

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

Job ID: 410-104414-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-104414-1	GAC Influent	Water	11/03/22 09:30	11/04/22 09:00
410-104414-2	GAC Midfuent	Water	11/03/22 09:35	11/04/22 09:00
410-104414-3	GAC Effluent	Water	11/03/22 09:45	11/04/22 09:00
410-104414-4	LTB01-221103	Water	11/03/22 00:00	11/04/22 09:00
410-104414-5	FTB01-221103	Water	11/03/22 09:50	11/04/22 09:00



410-104414 Chain of Custody

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Chain of Custody Record

Environment Testing
America

Client Contact: Jonathan Dippert, <i>Kirk Moline</i>		Sampler: <i>Carter Bernit</i>		Lab PM: Hobart, Paul		Carrier Tracking No(s):		COC No 410-42502-12960.2	
Company: CT Male Associates DPC		Phone:		E-Mail: Paul.Hobart@et.eurofinsus.com		State of Origin: <i>NY</i>		Page: <i>Page 2 of 2 10x1</i>	
Address: 50 Century Hill Dr		Due Date Requested:		Analysis Requested		Job #:		Preservation Codes:	
City: Latham		TAT Requested (days): <i>Standard</i>		PFC_IDA - (MOD) 7 PFAS Compounds 537_DW - 14 PFAS Drinking Water List 537_DW - 14 PFAS Drinking Water List Total Number of containers 8		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)	
State, Zip: NY, 12110		Compliance Project: ☐ Yes ☐ No				Other:			
Phone:		PO #: Purchase Order not required							
Email: j.dippert@ctmale.com, <i>K.Moline@CTmale.com</i>		WO #:							
Project Name: Hoosick Falls WTP		Project #: 41000511							
Site:		SSOW#:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=tissue, A=air)	Preservation Code		Special Instructions/Note:	
GAC Influent	11/03/22	09:30	G	Water					PFAS Batch q.c. collected here
GAC MIB Influent	11/03/22	09:35	G	Water					
GAC Effluent	11/03/22	09:45	G	Water					
LTB01-221107	11/03/22		G	Water					
FTB01-221103	11/03/22	09:50	G	Water					
Possible Hazard Identification									
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)									
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)									
Special Instructions/QC Requirements:									
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <i>Carter Bernit</i>		Date/Time: 11/03/2022 11:15 am		Company: <i>C.F. Bernit</i>		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by: <i>MMP</i>		Date/Time: 11/4/22 0900	
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>1.3</i>					

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-104414-1

SDG Number: HOO

Login Number: 104414

List Number: 1

Creator: McBeth, Jessica

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

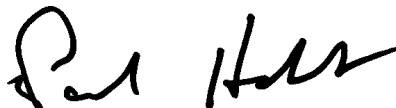
Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
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 $> 6\text{mm}$ in diameter (none, if from WV)?	N/A	

Eurofins Lancaster Laboratories Environment Testing, LLC

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



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11/22/2022 2:42:57 AM

Authorized for release by
Paul Hobart, Project Manager
Paul.Hobart@et.eurofinsus.com
(617)312-8660

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Paul Hahn