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ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
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Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-53847-1
Laboratory Sample Delivery Group: HOO
Client Project/Site: Hoosick Falls WTP

For:
CT Male Associates DPC
50 Century Hill Dr
Latham, New York 12110

Attn: Mr. Kirk Moline

Authorized for release by:
9/20/2021 9:12:22 AM

Paul Hobart, Project Manager
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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.
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· 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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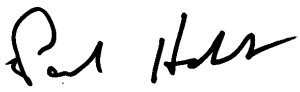

Paul Hobart
Project Manager
9/20/2021 9:12:22 AM

Table of Contents

Definitions/Glossary

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

Job ID: 410-53847-1
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

Job ID: 410-53847-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-53847-1

Receipt

The samples were received on 9/3/2021 11:17 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 1.9°C

PFAS

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

Detection Summary

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

Job ID: 410-53847-1
SDG: HOO

Client Sample ID: GAC Influent — Lab Sample ID: 410-53847-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.3		4.1		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	4.6		1.7		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	18		1.8		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	22		1.8		ng/L	1		537 DW	Total/NA
Perfluorobutanesulfonic acid	1.9		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.4		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	580		18		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midfluent — Lab Sample ID: 410-53847-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.3		4.3		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: GAC Effluent — Lab Sample ID: 410-53847-3

No Detections.

Client Sample ID: FTB01-210902 — Lab Sample ID: 410-53847-4

No Detections.

Client Sample ID: LTB01-210902 — Lab Sample ID: 410-53847-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	4.1		1.9		ng/L	1		537 DW	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GAC Influent

Date Collected: 09/02/21 09:20
Date Received: 09/03/21 11:17

Lab Sample ID: 410-53847-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.1	U	4.1		ng/L		09/08/21 07:11	09/13/21 17:04	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		09/08/21 07:11	09/13/21 17:04	1
Perfluorobutanoic acid	**4.3**		4.1		ng/L		09/08/21 07:11	09/13/21 17:04	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:04	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:04	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:04	1
Perfluoropentanoic acid	**4.6**		1.7		ng/L		09/08/21 07:11	09/13/21 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*78*		*29 - 189*	*09/08/21 07:11*	*09/13/21 17:04*	*1*
M2-8:2 FTS	*102*		*34 - 182*	*09/08/21 07:11*	*09/13/21 17:04*	*1*
13C4 PFBA	*88*		*41 - 132*	*09/08/21 07:11*	*09/13/21 17:04*	*1*
13C5 PFPeA	*105*		*33 - 155*	*09/08/21 07:11*	*09/13/21 17:04*	*1*
13C8 PFOS	*91*		*49 - 126*	*09/08/21 07:11*	*09/13/21 17:04*	*1*
13C8 FOSA	*70*		*10 - 143*	*09/08/21 07:11*	*09/13/21 17:04*	*1*
13C3 PFHxS	*110*		*32 - 145*	*09/08/21 07:11*	*09/13/21 17:04*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**18**		1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluoroheptanoic acid	**22**		1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorobutanesulfonic acid	**1.9**		1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorooctanesulfonic acid	**3.4**		1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
NEtFOSAA	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
NMeFOSAA	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		09/07/21 09:21	09/10/21 15:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:19*	*1*
13C2 PFDA	*123*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:19*	*1*
13C2 PFHxA	*119*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**580**		18		ng/L		09/07/21 09:21	09/10/21 15:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*86*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:30*	*10*
13C2 PFDA	*83*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:30*	*10*
13C2 PFHxA	*84*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:30*	*10*

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

Job ID: 410-53847-1
SDG: HOO

Client Sample ID: GAC Midfluent
Date Collected: 09/02/21 09:25
Date Received: 09/03/21 11:17

Lab Sample ID: 410-53847-2
Matrix: Water

Method: 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		09/08/21 07:11	09/13/21 17:14	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		09/08/21 07:11	09/13/21 17:14	1
Perfluorobutanoic acid	**4.3**		4.3		ng/L		09/08/21 07:11	09/13/21 17:14	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:14	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:14	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:14	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*103*		*29 - 189*	*09/08/21 07:11*	*09/13/21 17:14*	*1*
M2-8:2 FTS	*104*		*34 - 182*	*09/08/21 07:11*	*09/13/21 17:14*	*1*
13C4 PFBA	*85*		*41 - 132*	*09/08/21 07:11*	*09/13/21 17:14*	*1*
13C5 PFPeA	*90*		*33 - 155*	*09/08/21 07:11*	*09/13/21 17:14*	*1*
13C8 PFOS	*84*		*49 - 126*	*09/08/21 07:11*	*09/13/21 17:14*	*1*
13C8 FOSA	*76*		*10 - 143*	*09/08/21 07:11*	*09/13/21 17:14*	*1*
13C3 PFHxS	*89*		*32 - 145*	*09/08/21 07:11*	*09/13/21 17:14*	*1*

Method: 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		09/07/21 09:21	09/08/21 23:20	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
NEtFOSAA	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
NMeFOSAA	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/08/21 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*100*		*70 - 130*	*09/07/21 09:21*	*09/08/21 23:20*	*1*
13C2 PFDA	*102*		*70 - 130*	*09/07/21 09:21*	*09/08/21 23:20*	*1*
13C2 PFHxA	*101*		*70 - 130*	*09/07/21 09:21*	*09/08/21 23:20*	*1*

Client Sample ID: GAC Effluent

Date Collected: 09/02/21 09:30
Date Received: 09/03/21 11:17

Lab Sample ID: 410-53847-3

Matrix: Water

Method: 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		09/08/21 07:11	09/13/21 17:25	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		09/08/21 07:11	09/13/21 17:25	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		09/08/21 07:11	09/13/21 17:25	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:25	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:25	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:25	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		09/08/21 07:11	09/13/21 17:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*116*		*29 - 189*	*09/08/21 07:11*	*09/13/21 17:25*	*1*
M2-8:2 FTS	*112*		*34 - 182*	*09/08/21 07:11*	*09/13/21 17:25*	*1*
13C4 PFBA	*93*		*41 - 132*	*09/08/21 07:11*	*09/13/21 17:25*	*1*
13C5 PFPeA	*98*		*33 - 155*	*09/08/21 07:11*	*09/13/21 17:25*	*1*
13C8 PFOS	*98*		*49 - 126*	*09/08/21 07:11*	*09/13/21 17:25*	*1*
13C8 FOSA	*79*		*10 - 143*	*09/08/21 07:11*	*09/13/21 17:25*	*1*
13C3 PFHxS	*97*		*32 - 145*	*09/08/21 07:11*	*09/13/21 17:25*	*1*

Method: 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		09/07/21 09:21	09/10/21 15:42	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
NEtFOSAA	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
NMeFOSAA	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		09/07/21 09:21	09/10/21 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:42*	*1*
13C2 PFDA	*93*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:42*	*1*
13C2 PFHxA	*91*		*70 - 130*	*09/07/21 09:21*	*09/10/21 15:42*	*1*

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

Job ID: 410-53847-1
SDG: HOO

Client Sample ID: FTB01-210902
Date Collected: 09/02/21 09:50
Date Received: 09/03/21 11:17

Lab Sample ID: 410-53847-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.5	U	4.5		ng/L		09/08/21 07:11	09/13/21 17:35	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		09/08/21 07:11	09/13/21 17:35	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		09/08/21 07:11	09/13/21 17:35	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		09/08/21 07:11	09/13/21 17:35	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		09/08/21 07:11	09/13/21 17:35	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		09/08/21 07:11	09/13/21 17:35	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		09/08/21 07:11	09/13/21 17:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*118*		*29 - 189*	*09/08/21 07:11*	*09/13/21 17:35*	*1*
M2-8:2 FTS	*107*		*34 - 182*	*09/08/21 07:11*	*09/13/21 17:35*	*1*
13C4 PFBA	*87*		*41 - 132*	*09/08/21 07:11*	*09/13/21 17:35*	*1*
13C5 PFPeA	*91*		*33 - 155*	*09/08/21 07:11*	*09/13/21 17:35*	*1*
13C8 PFOS	*97*		*49 - 126*	*09/08/21 07:11*	*09/13/21 17:35*	*1*
13C8 FOSA	*71*		*10 - 143*	*09/08/21 07:11*	*09/13/21 17:35*	*1*
13C3 PFHxS	*96*		*32 - 145*	*09/08/21 07:11*	*09/13/21 17:35*	*1*

Method: 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		09/13/21 07:08	09/14/21 08:59	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
NEtFOSAA	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
NMeFOSAA	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		09/13/21 07:08	09/14/21 08:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*92*		*70 - 130*	*09/13/21 07:08*	*09/14/21 08:59*	*1*
13C2 PFDA	*97*		*70 - 130*	*09/13/21 07:08*	*09/14/21 08:59*	*1*
13C2 PFHxA	*98*		*70 - 130*	*09/13/21 07:08*	*09/14/21 08:59*	*1*

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

Job ID: 410-53847-1
SDG: HOO

Client Sample ID: LTB01-210902
Date Collected: 09/02/21 00:00
Date Received: 09/03/21 11:17

Lab Sample ID: 410-53847-5
Matrix: Water

Method: 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		09/08/21 07:11	09/13/21 17:46	1
8:2 Fluorotelomer sulfonic acid	2.9	U	2.9		ng/L		09/08/21 07:11	09/13/21 17:46	1
Perfluorobutanoic acid	4.9	U	4.9		ng/L		09/08/21 07:11	09/13/21 17:46	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		09/08/21 07:11	09/13/21 17:46	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		09/08/21 07:11	09/13/21 17:46	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		09/08/21 07:11	09/13/21 17:46	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		09/08/21 07:11	09/13/21 17:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*109*		*29 - 189*	*09/08/21 07:11*	*09/13/21 17:46*	*1*
M2-8:2 FTS	*99*		*34 - 182*	*09/08/21 07:11*	*09/13/21 17:46*	*1*
13C4 PFBA	*87*		*41 - 132*	*09/08/21 07:11*	*09/13/21 17:46*	*1*
13C5 PFPeA	*88*		*33 - 155*	*09/08/21 07:11*	*09/13/21 17:46*	*1*
13C8 PFOS	*95*		*49 - 126*	*09/08/21 07:11*	*09/13/21 17:46*	*1*
13C8 FOSA	*68*		*10 - 143*	*09/08/21 07:11*	*09/13/21 17:46*	*1*
13C3 PFHxS	*91*		*32 - 145*	*09/08/21 07:11*	*09/13/21 17:46*	*1*

Method: 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		09/13/21 07:08	09/14/21 09:10	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorobutanesulfonic acid	**4.1**		1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
NEtFOSAA	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
NMeFOSAA	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		09/13/21 07:08	09/14/21 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*09/13/21 07:08*	*09/14/21 09:10*	*1*
13C2 PFDA	*94*		*70 - 130*	*09/13/21 07:08*	*09/14/21 09:10*	*1*
13C2 PFHxA	*94*		*70 - 130*	*09/13/21 07:08*	*09/14/21 09:10*	*1*

Surrogate Summary

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

Job ID: 410-53847-1
SDG: HOO

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		d5NEFOS	PFDA	PFHxA						
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)						
410-53847-1	GAC Influent	91	123	119						
410-53847-1 - DL	GAC Influent	86	83	84						
410-53847-2	GAC Midfluent	100	102	101						
410-53847-3	GAC Effluent	91	93	91						
410-53847-4	FTB01-210902	92	97	98						
410-53847-5	LTB01-210902	90	94	94						
LCS 410-168412/2-A	Lab Control Sample	99	103	107						
LCS 410-170396/2-A	Lab Control Sample	91	93	92						
LCSD 410-168412/3-A	Lab Control Sample Dup	99	104	101						
LCSD 410-170396/3-A	Lab Control Sample Dup	87	90	91						
LLCS 410-170396/4-A	Lab Control Sample	90	93	94						
MB 410-168412/1-A	Method Blank	104	102	99						
MB 410-170396/1-A	Method Blank	97	96	98						

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: 410-53847-1
SDG: HOO

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		M262FTS	M282FTS	PFBA	PFPeA	C8PFOS	PFOSA	C3PFHS
Lab Sample ID	Client Sample ID	(29-189)	(34-182)	(41-132)	(33-155)	(49-126)	(10-143)	(32-145)
410-53847-1	GAC Influent	78	102	88	105	91	70	110
410-53847-2	GAC Midfluent	103	104	85	90	84	76	89
410-53847-3	GAC Effluent	116	112	93	98	98	79	97
410-53847-4	FTB01-210902	118	107	87	91	97	71	96
410-53847-5	LTB01-210902	109	99	87	88	95	68	91
LCS 410-168814/2-A	Lab Control Sample	112	102	83	86	94	69	97
LCSD 410-168814/3-A	Lab Control Sample Dup	106	93	80	79	97	67	94
MB 410-168814/1-A	Method Blank	104	107	80	83	88	68	90

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

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

Lab Sample ID: MB 410-168814/1-A
Matrix: Water
Analysis Batch: 171038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 168814

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		09/08/21 07:11	09/15/21 09:28	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		09/08/21 07:11	09/15/21 09:28	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		09/08/21 07:11	09/15/21 09:28	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		09/08/21 07:11	09/15/21 09:28	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		09/08/21 07:11	09/15/21 09:28	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		09/08/21 07:11	09/15/21 09:28	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		09/08/21 07:11	09/15/21 09:28	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*104*		*29 - 189*	*09/08/21 07:11*	*09/15/21 09:28*	*1*
M2-8:2 FTS	*107*		*34 - 182*	*09/08/21 07:11*	*09/15/21 09:28*	*1*
13C4 PFBA	*80*		*41 - 132*	*09/08/21 07:11*	*09/15/21 09:28*	*1*
13C5 PFPeA	*83*		*33 - 155*	*09/08/21 07:11*	*09/15/21 09:28*	*1*
13C8 PFOS	*88*		*49 - 126*	*09/08/21 07:11*	*09/15/21 09:28*	*1*
13C8 FOSA	*68*		*10 - 143*	*09/08/21 07:11*	*09/15/21 09:28*	*1*
13C3 PFHxS	*90*		*32 - 145*	*09/08/21 07:11*	*09/15/21 09:28*	*1*

Lab Sample ID: LCS 410-168814/2-A
Matrix: Water
Analysis Batch: 170538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 168814

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	24.7		ng/L		102	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	28.2		ng/L		115	56 - 140		
Perfluorobutanoic acid			25.6	27.8		ng/L		109	62 - 156		
Perfluorodecanesulfonic acid			24.7	25.6		ng/L		104	61 - 134		
Perfluoroheptanesulfonic acid			24.4	24.1		ng/L		99	67 - 135		
Perfluorooctanesulfonamide			25.6	31.5		ng/L		123	55 - 130		
Perfluoropentanoic acid			25.6	30.1		ng/L		117	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*112*		*29 - 189*
M2-8:2 FTS	*102*		*34 - 182*
13C4 PFBA	*83*		*41 - 132*
13C5 PFPeA	*86*		*33 - 155*
13C8 PFOS	*94*		*49 - 126*
13C8 FOSA	*69*		*10 - 143*
13C3 PFHxS	*97*		*32 - 145*

Lab Sample ID: LCSD 410-168814/3-A
Matrix: Water
Analysis Batch: 170538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 168814

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	24.5		ng/L		101	57 - 137	1	30
8:2 Fluorotelomer sulfonic acid			24.5	28.4		ng/L		116	56 - 140	1	30
Perfluorobutanoic acid			25.6	27.3		ng/L		107	62 - 156	2	30
Perfluorodecanesulfonic acid			24.7	24.5		ng/L		99	61 - 134	4	30
Perfluoroheptanesulfonic acid			24.4	25.3		ng/L		104	67 - 135	5	30

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

Lab Sample ID: LCSD 410-168814/3-A
Matrix: Water
Analysis Batch: 170538

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 168814

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonamide			25.6	28.9		ng/L		113	55 - 130	8	30
Perfluoropentanoic acid			25.6	31.0		ng/L		121	72 - 139	3	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-6:2 FTS	*106*		*29 - 189*
M2-8:2 FTS	*93*		*34 - 182*
13C4 PFBA	*80*		*41 - 132*
13C5 PFPeA	*79*		*33 - 155*
13C8 PFOS	*97*		*49 - 126*
13C8 FOSA	*67*		*10 - 143*
13C3 PFHxS	*94*		*32 - 145*

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

Lab Sample ID: MB 410-168412/1-A
Matrix: Water
Analysis Batch: 169067

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 168412

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
NEtFOSAA	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
NMeFOSAA	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		09/07/21 09:21	09/08/21 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*104*		*70 - 130*	*09/07/21 09:21*	*09/08/21 21:36*	*1*
13C2 PFDA	*102*		*70 - 130*	*09/07/21 09:21*	*09/08/21 21:36*	*1*
13C2 PFHxA	*99*		*70 - 130*	*09/07/21 09:21*	*09/08/21 21:36*	*1*

Lab Sample ID: LCS 410-168412/2-A
Matrix: Water
Analysis Batch: 169067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 168412

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			80.0	79.0		ng/L		99	70 - 130		
Perfluoroheptanoic acid			80.0	77.8		ng/L		97	70 - 130		
Perfluorooctanoic acid			80.0	77.3		ng/L		97	70 - 130		
Perfluorononanoic acid			80.0	75.1		ng/L		94	70 - 130		
Perfluorodecanoic acid			80.0	81.9	E	ng/L		102	70 - 130		

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

Lab Sample ID: LCS 410-168412/2-A
Matrix: Water
Analysis Batch: 169067

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 168412

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorotridecanoic acid			80.0	75.5		ng/L		94	70 - 130		
Perfluorotetradecanoic acid			80.0	73.5		ng/L		92	70 - 130		
Perfluorobutanesulfonic acid			70.8	61.0		ng/L		86	70 - 130		
Perfluorohexanesulfonic acid			73.0	74.1	E	ng/L		102	70 - 130		
Perfluorooctanesulfonic acid			74.0	73.3		ng/L		99	70 - 130		
NEtFOSAA			80.0	78.1		ng/L		98	70 - 130		
NMeFOSAA			80.0	80.7	E	ng/L		101	70 - 130		
Perfluoroundecanoic acid			80.0	74.1		ng/L		93	70 - 130		
Perfluorododecanoic acid			80.0	77.9		ng/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*99*		*70 - 130*
13C2 PFDA	*103*		*70 - 130*
13C2 PFHxA	*107*		*70 - 130*

Lab Sample ID: LCSD 410-168412/3-A
Matrix: Water
Analysis Batch: 169067

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 168412

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	73.7		ng/L		92	70 - 130	7	30
Perfluoroheptanoic acid			80.0	77.8		ng/L		97	70 - 130	0	30
Perfluorooctanoic acid			80.0	77.5		ng/L		97	70 - 130	0	30
Perfluorononanoic acid			80.0	78.1		ng/L		98	70 - 130	4	30
Perfluorodecanoic acid			80.0	85.4	E	ng/L		107	70 - 130	4	30
Perfluorotridecanoic acid			80.0	73.9		ng/L		92	70 - 130	2	30
Perfluorotetradecanoic acid			80.0	73.3		ng/L		92	70 - 130	0	30
Perfluorobutanesulfonic acid			70.8	55.4		ng/L		78	70 - 130	10	30
Perfluorohexanesulfonic acid			73.0	75.4	E	ng/L		103	70 - 130	2	30
Perfluorooctanesulfonic acid			74.0	74.7	E	ng/L		101	70 - 130	2	30
NEtFOSAA			80.0	79.4		ng/L		99	70 - 130	2	30
NMeFOSAA			80.0	82.6	E	ng/L		103	70 - 130	2	30
Perfluoroundecanoic acid			80.0	75.6		ng/L		94	70 - 130	2	30
Perfluorododecanoic acid			80.0	76.6		ng/L		96	70 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*99*		*70 - 130*
13C2 PFDA	*104*		*70 - 130*
13C2 PFHxA	*101*		*70 - 130*

Lab Sample ID: MB 410-170396/1-A
Matrix: Water
Analysis Batch: 170879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170396

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1

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

Lab Sample ID: MB 410-170396/1-A
Matrix: Water
Analysis Batch: 170879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170396

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
NEtFOSAA	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
NMeFOSAA	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		09/13/21 07:08	09/14/21 07:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*09/13/21 07:08*	*09/14/21 07:59*	*1*
13C2 PFDA	*96*		*70 - 130*	*09/13/21 07:08*	*09/14/21 07:59*	*1*
13C2 PFHxA	*98*		*70 - 130*	*09/13/21 07:08*	*09/14/21 07:59*	*1*

Lab Sample ID: LCS 410-170396/2-A
Matrix: Water
Analysis Batch: 170879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170396

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			80.0	85.6	E	ng/L		107	70 - 130		
Perfluoroheptanoic acid			80.0	83.1	E	ng/L		104	70 - 130		
Perfluorooctanoic acid			80.0	82.3	E	ng/L		103	70 - 130		
Perfluorononanoic acid			80.0	84.8	E	ng/L		106	70 - 130		
Perfluorodecanoic acid			80.0	87.6	E	ng/L		109	70 - 130		
Perfluorotridecanoic acid			80.0	85.9	E	ng/L		107	70 - 130		
Perfluorotetradecanoic acid			80.0	89.8	E	ng/L		112	70 - 130		
Perfluorobutanesulfonic acid			70.8	77.4	E	ng/L		109	70 - 130		
Perfluorohexanesulfonic acid			73.0	80.9	E	ng/L		111	70 - 130		
Perfluorooctanesulfonic acid			74.0	77.3	E	ng/L		104	70 - 130		
NEtFOSAA			80.0	83.2	E	ng/L		104	70 - 130		
NMeFOSAA			80.0	81.4	E	ng/L		102	70 - 130		
Perfluoroundecanoic acid			80.0	82.2	E	ng/L		103	70 - 130		
Perfluorododecanoic acid			80.0	85.7	E	ng/L		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*91*		*70 - 130*
13C2 PFDA	*93*		*70 - 130*
13C2 PFHxA	*92*		*70 - 130*

Lab Sample ID: LCSD 410-170396/3-A
Matrix: Water
Analysis Batch: 170879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170396

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	84.3	E	ng/L		105	70 - 130	1	30

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

Lab Sample ID: LCSD 410-170396/3-A
Matrix: Water
Analysis Batch: 170879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170396

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroheptanoic acid			80.0	81.5	E	ng/L		102	70 - 130	2	30
Perfluorooctanoic acid			80.0	80.8	E	ng/L		101	70 - 130	2	30
Perfluorononanoic acid			80.0	82.5	E	ng/L		103	70 - 130	3	30
Perfluorodecanoic acid			80.0	86.0	E	ng/L		107	70 - 130	2	30
Perfluorotridecanoic acid			80.0	87.8	E	ng/L		110	70 - 130	2	30
Perfluorotetradecanoic acid			80.0	88.2	E	ng/L		110	70 - 130	2	30
Perfluorobutanesulfonic acid			70.8	73.8	E	ng/L		104	70 - 130	5	30
Perfluorohexanesulfonic acid			73.0	78.0	E	ng/L		107	70 - 130	4	30
Perfluorooctanesulfonic acid			74.0	76.3	E	ng/L		103	70 - 130	1	30
NEtFOSAA			80.0	80.4	E	ng/L		100	70 - 130	3	30
NMeFOSAA			80.0	79.8		ng/L		100	70 - 130	2	30
Perfluoroundecanoic acid			80.0	84.3	E	ng/L		105	70 - 130	2	30
Perfluorododecanoic acid			80.0	86.4	E	ng/L		108	70 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*87*		*70 - 130*
13C2 PFDA	*90*		*70 - 130*
13C2 PFHxA	*91*		*70 - 130*

Lab Sample ID: LLCS 410-170396/4-A
Matrix: Water
Analysis Batch: 170879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170396

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			1.92	2.41		ng/L		125	50 - 150		
Perfluoroheptanoic acid			1.92	2.36		ng/L		123	50 - 150		
Perfluorooctanoic acid			1.92	2.42		ng/L		126	50 - 150		
Perfluorononanoic acid			1.92	2.36		ng/L		123	50 - 150		
Perfluorodecanoic acid			1.92	2.39		ng/L		124	50 - 150		
Perfluorotridecanoic acid			1.92	2.33		ng/L		121	50 - 150		
Perfluorotetradecanoic acid			1.92	2.41		ng/L		126	50 - 150		
Perfluorobutanesulfonic acid			1.70	2.00		ng/L		118	50 - 150		
Perfluorohexanesulfonic acid			1.75	2.06		ng/L		118	50 - 150		
Perfluorooctanesulfonic acid			1.78	2.03		ng/L		114	50 - 150		
NEtFOSAA			1.92	2.10		ng/L		109	50 - 150		
NMeFOSAA			1.92	2.07		ng/L		108	50 - 150		
Perfluoroundecanoic acid			1.92	2.33		ng/L		121	50 - 150		
Perfluorododecanoic acid			1.92	2.39		ng/L		125	50 - 150		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
d5-NEtFOSAA	*90*		*70 - 130*
13C2 PFDA	*93*		*70 - 130*
13C2 PFHxA	*94*		*70 - 130*

LCMS

Prep Batch: 168412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-53847-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-53847-1	GAC Influent	Total/NA	Water	537 DW	
410-53847-2	GAC Midfluent	Total/NA	Water	537 DW	
410-53847-3	GAC Effluent	Total/NA	Water	537 DW	
MB 410-168412/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-168412/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-168412/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Prep Batch: 168814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-53847-1	GAC Influent	Total/NA	Water	537 (Mod)	
410-53847-2	GAC Midfluent	Total/NA	Water	537 (Mod)	
410-53847-3	GAC Effluent	Total/NA	Water	537 (Mod)	
410-53847-4	FTB01-210902	Total/NA	Water	537 (Mod)	
410-53847-5	LTB01-210902	Total/NA	Water	537 (Mod)	
MB 410-168814/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-168814/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
LCSD 410-168814/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	

Analysis Batch: 169067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-53847-2	GAC Midfluent	Total/NA	Water	537 DW	168412
MB 410-168412/1-A	Method Blank	Total/NA	Water	537 DW	168412
LCS 410-168412/2-A	Lab Control Sample	Total/NA	Water	537 DW	168412
LCSD 410-168412/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	168412

Analysis Batch: 169874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-53847-1	GAC Influent	Total/NA	Water	537 DW	168412
410-53847-1 - DL	GAC Influent	Total/NA	Water	537 DW	168412
410-53847-3	GAC Effluent	Total/NA	Water	537 DW	168412

Prep Batch: 170396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-53847-4	FTB01-210902	Total/NA	Water	537 DW	
410-53847-5	LTB01-210902	Total/NA	Water	537 DW	
MB 410-170396/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-170396/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-170396/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	
LLCS 410-170396/4-A	Lab Control Sample	Total/NA	Water	537 DW	

Analysis Batch: 170538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-53847-1	GAC Influent	Total/NA	Water	537 (Mod)	168814
410-53847-2	GAC Midfluent	Total/NA	Water	537 (Mod)	168814
410-53847-3	GAC Effluent	Total/NA	Water	537 (Mod)	168814
410-53847-4	FTB01-210902	Total/NA	Water	537 (Mod)	168814
410-53847-5	LTB01-210902	Total/NA	Water	537 (Mod)	168814
LCS 410-168814/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	168814
LCSD 410-168814/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	168814

QC Association Summary

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

Job ID: 410-53847-1
SDG: HOO

LCMS

Analysis Batch: 170879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-53847-4	FTB01-210902	Total/NA	Water	537 DW	170396
410-53847-5	LTB01-210902	Total/NA	Water	537 DW	170396
MB 410-170396/1-A	Method Blank	Total/NA	Water	537 DW	170396
LCS 410-170396/2-A	Lab Control Sample	Total/NA	Water	537 DW	170396
LCSD 410-170396/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	170396
LLCS 410-170396/4-A	Lab Control Sample	Total/NA	Water	537 DW	170396

Analysis Batch: 171038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-168814/1-A	Method Blank	Total/NA	Water	537 (Mod)	168814

Lab Chronicle

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

Job ID: 410-53847-1
SDG: HOO

Client Sample ID: GAC Influent
Lab Sample ID: 410-53847-1
Date Collected: 09/02/21 09:20
Matrix: Water
Date Received: 09/03/21 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			168814	09/08/21 07:11	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	170538	09/13/21 17:04	MT26	ELLE
Total/NA	Prep	537 DW			168412	09/07/21 09:21	S7AC	ELLE
Total/NA	Analysis	537 DW		1	169874	09/10/21 15:19	DCS9	ELLE
Total/NA	Prep	537 DW	DL		168412	09/07/21 09:21	S7AC	ELLE
Total/NA	Analysis	537 DW	DL	10	169874	09/10/21 15:30	DCS9	ELLE

Client Sample ID: GAC Midfluent
Lab Sample ID: 410-53847-2
Date Collected: 09/02/21 09:25
Matrix: Water
Date Received: 09/03/21 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			168814	09/08/21 07:11	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	170538	09/13/21 17:14	MT26	ELLE
Total/NA	Prep	537 DW			168412	09/07/21 09:21	S7AC	ELLE
Total/NA	Analysis	537 DW		1	169067	09/08/21 23:20	Y6ZN	ELLE

Client Sample ID: GAC Effluent
Lab Sample ID: 410-53847-3
Date Collected: 09/02/21 09:30
Matrix: Water
Date Received: 09/03/21 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			168814	09/08/21 07:11	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	170538	09/13/21 17:25	MT26	ELLE
Total/NA	Prep	537 DW			168412	09/07/21 09:21	S7AC	ELLE
Total/NA	Analysis	537 DW		1	169874	09/10/21 15:42	DCS9	ELLE

Client Sample ID: FTB01-210902
Lab Sample ID: 410-53847-4
Date Collected: 09/02/21 09:50
Matrix: Water
Date Received: 09/03/21 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			168814	09/08/21 07:11	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	170538	09/13/21 17:35	MT26	ELLE
Total/NA	Prep	537 DW			170396	09/13/21 07:08	RDL8	ELLE
Total/NA	Analysis	537 DW		1	170879	09/14/21 08:59	VK3G	ELLE

Client Sample ID: LTB01-210902
Lab Sample ID: 410-53847-5
Date Collected: 09/02/21 00:00
Matrix: Water
Date Received: 09/03/21 11:17

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			168814	09/08/21 07:11	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	170538	09/13/21 17:46	MT26	ELLE
Total/NA	Prep	537 DW			170396	09/13/21 07:08	RDL8	ELLE
Total/NA	Analysis	537 DW		1	170879	09/14/21 09:10	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-53847-1
SDG: HOO

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, 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: 410-53847-1
SDG: HOO

Laboratory: Eurofins Lancaster Laboratories Env, 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	04-01-22

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: 410-53847-1
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 Env, 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: 410-53847-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-53847-1	GAC Influent	Water	09/02/21 09:20	09/03/21 11:17
410-53847-2	GAC Midfluent	Water	09/02/21 09:25	09/03/21 11:17
410-53847-3	GAC Effluent	Water	09/02/21 09:30	09/03/21 11:17
410-53847-4	FTB01-210902	Water	09/02/21 09:50	09/03/21 11:17
410-53847-5	LTB01-210902	Water	09/02/21 00:00	09/03/21 11:17

Chain of Custody

eurofins Environment Testing America

410-53847 Chain of Custody

Client Information	Sampler: Cliff Bondi	Lab PM:	Carrier Tracking No(s):	COC No: 410-13086-232.2
Client Contact: ~~Jonathan Dippert~~ (CP) Kirk Moline	Phone: 518-786-7400	E-Mail:	State of Origin: NY	Page: Page 1 of 1 ~~Page 2 of 2~~ (CB)
Company: CT Male Associates DPC	PWSID:			Job #:

Address: 50 Century Hill Dr	Due Date Requested:	Analysis Requested
City: Latham	TAT Requested (days): Standard	
State, Zip: NY, 12110	Compliance Project: Δ Yes Δ No	
Phone: 518-786-7400	PO #: 14.4756	
Email: ~~j.dippert@ctmale.com~~ (CP) K.Moline@Ctmale.com	WO #:	
Project Name: Hoosick Falls WTP	Project #: 41000511	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - Trizma

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - (MOD) 7 PFAS Compounds	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
Preservation Code:					N	N				
GAC Influent	9/2/21	0920	G	Water	N	N	✓	✓	4	
GAC Midfluent		0925		Water			✓	✓	4	
GAC Effluent		0930		Water			✓	✓	4	
FTB01-210902		0950					✓	✓	4	
LTB01-210902		—					✓	✓	4	

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	Date/Time	Company	Received by	Date/Time	Company
	Cliff Bondi	9/2/21 1615				
	Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
	Relinquished by:	Date/Time:	Company:	Received by:	9/3/21 11:17	ELLE

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.9

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-53847-1
SDG Number: HOO

Login Number: 53847
List Number: 1
Creator: Bryan, Debra A

List Source: Eurofins Lancaster Laboratories Env, 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 (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	