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ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-32830-1
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:
3/30/2021 11:48:08 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.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

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

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

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Paul Hobart
Project Manager
3/30/2021 11:48:08 AM

Table of Contents

Definitions/Glossary

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

Job ID: 410-32830-1
SDG: HOO

Qualifiers

LCMS

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 410-32830-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-32830-1

Receipt
The samples were received on 3/18/2021 11:04 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 1.0°C

LCMS
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: 410-32830-1
SDG: HOO

Client Sample ID: GAC Influent — Lab Sample ID: 410-32830-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide	1.8		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.6		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	8.4		1.8		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	9.0		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.0		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	320		18		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midfluent — Lab Sample ID: 410-32830-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.9		4.3		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: GAC Effluent — Lab Sample ID: 410-32830-3

No Detections.

Client Sample ID: PV-2_25 — Lab Sample ID: 410-32830-4

No Detections.

Client Sample ID: PV-2_50 — Lab Sample ID: 410-32830-5

No Detections.

Client Sample ID: PV-2_75 — Lab Sample ID: 410-32830-6

No Detections.

Client Sample ID: FTB01-210317 — Lab Sample ID: 410-32830-7

No Detections.

Client Sample ID: LTB01-210317 — Lab Sample ID: 410-32830-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client Sample ID: GAC Influent

Date Collected: 03/17/21 09:50
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-1

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	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 02:21	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/22/21 07:44	03/23/21 02:21	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 02:21	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 02:21	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 02:21	1
Perfluorooctanesulfonamide	**1.8**		1.8		ng/L		03/22/21 07:44	03/23/21 02:21	1
Perfluoropentanoic acid	**2.6**		1.8		ng/L		03/22/21 07:44	03/23/21 02:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*119*		*29 - 189*	*03/22/21 07:44*	*03/23/21 02:21*	*1*
M2-8:2 FTS	*121*		*34 - 182*	*03/22/21 07:44*	*03/23/21 02:21*	*1*
13C4 PFBA	*110*		*41 - 132*	*03/22/21 07:44*	*03/23/21 02:21*	*1*
13C5 PFPeA	*142*		*33 - 155*	*03/22/21 07:44*	*03/23/21 02:21*	*1*
13C8 PFOS	*107*		*49 - 126*	*03/22/21 07:44*	*03/23/21 02:21*	*1*
13C8 FOSA	*88*		*10 - 143*	*03/22/21 07:44*	*03/23/21 02:21*	*1*
13C3 PFHxS	*125*		*32 - 145*	*03/22/21 07:44*	*03/23/21 02:21*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**8.4**		1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluoroheptanoic acid	**9.0**		1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorooctanesulfonic acid	**3.0**		1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
NEtFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
NMeFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*85*		*70 - 130*	*03/22/21 07:21*	*03/23/21 14:55*	*1*
13C2 PFDA	*108*		*70 - 130*	*03/22/21 07:21*	*03/23/21 14:55*	*1*
13C2 PFHxA	*106*		*70 - 130*	*03/22/21 07:21*	*03/23/21 14:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**320**		18		ng/L		03/22/21 07:21	03/23/21 23:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*80*		*70 - 130*	*03/22/21 07:21*	*03/23/21 23:20*	*10*
13C2 PFDA	*79*		*70 - 130*	*03/22/21 07:21*	*03/23/21 23:20*	*10*
13C2 PFHxA	*85*		*70 - 130*	*03/22/21 07:21*	*03/23/21 23:20*	*10*

Client Sample ID: GAC Midfluent

Date Collected: 03/17/21 09:57
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-2

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		03/22/21 07:44	03/23/21 02:32	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/22/21 07:44	03/23/21 02:32	1
Perfluorobutanoic acid	**4.9**		4.3		ng/L		03/22/21 07:44	03/23/21 02:32	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 02:32	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 02:32	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 02:32	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 02:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*127*		*29 - 189*	*03/22/21 07:44*	*03/23/21 02:32*	*1*
M2-8:2 FTS	*134*		*34 - 182*	*03/22/21 07:44*	*03/23/21 02:32*	*1*
13C4 PFBA	*109*		*41 - 132*	*03/22/21 07:44*	*03/23/21 02:32*	*1*
13C5 PFPeA	*112*		*33 - 155*	*03/22/21 07:44*	*03/23/21 02:32*	*1*
13C8 PFOS	*109*		*49 - 126*	*03/22/21 07:44*	*03/23/21 02:32*	*1*
13C8 FOSA	*104*		*10 - 143*	*03/22/21 07:44*	*03/23/21 02:32*	*1*
13C3 PFHxS	*104*		*32 - 145*	*03/22/21 07:44*	*03/23/21 02:32*	*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		03/22/21 07:21	03/23/21 15:07	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
NEtFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
NMeFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*86*		*70 - 130*	*03/22/21 07:21*	*03/23/21 15:07*	*1*
13C2 PFDA	*91*		*70 - 130*	*03/22/21 07:21*	*03/23/21 15:07*	*1*
13C2 PFHxA	*93*		*70 - 130*	*03/22/21 07:21*	*03/23/21 15:07*	*1*

Client Sample ID: GAC Effluent

Date Collected: 03/17/21 10:00
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-3

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	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 02:43	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/22/21 07:44	03/23/21 02:43	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 02:43	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 02:43	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 02:43	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 02:43	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 02:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*125*		*29 - 189*	*03/22/21 07:44*	*03/23/21 02:43*	*1*
M2-8:2 FTS	*130*		*34 - 182*	*03/22/21 07:44*	*03/23/21 02:43*	*1*
13C4 PFBA	*107*		*41 - 132*	*03/22/21 07:44*	*03/23/21 02:43*	*1*
13C5 PFPeA	*109*		*33 - 155*	*03/22/21 07:44*	*03/23/21 02:43*	*1*
13C8 PFOS	*109*		*49 - 126*	*03/22/21 07:44*	*03/23/21 02:43*	*1*
13C8 FOSA	*105*		*10 - 143*	*03/22/21 07:44*	*03/23/21 02:43*	*1*
13C3 PFHxS	*109*		*32 - 145*	*03/22/21 07:44*	*03/23/21 02:43*	*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		03/22/21 07:21	03/23/21 21:48	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
NEtFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
NMeFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*03/22/21 07:21*	*03/23/21 21:48*	*1*
13C2 PFDA	*85*		*70 - 130*	*03/22/21 07:21*	*03/23/21 21:48*	*1*
13C2 PFHxA	*88*		*70 - 130*	*03/22/21 07:21*	*03/23/21 21:48*	*1*

Client Sample ID: PV-2_25

Date Collected: 03/17/21 10:04
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-4

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	4.3	U	4.3		ng/L		03/22/21 07:44	03/23/21 03:04	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/22/21 07:44	03/23/21 03:04	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		03/22/21 07:44	03/23/21 03:04	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:04	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:04	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:04	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*113*		*29 - 189*	*03/22/21 07:44*	*03/23/21 03:04*	*1*
M2-8:2 FTS	*109*		*34 - 182*	*03/22/21 07:44*	*03/23/21 03:04*	*1*
13C4 PFBA	*97*		*41 - 132*	*03/22/21 07:44*	*03/23/21 03:04*	*1*
13C5 PFPeA	*99*		*33 - 155*	*03/22/21 07:44*	*03/23/21 03:04*	*1*
13C8 PFOS	*98*		*49 - 126*	*03/22/21 07:44*	*03/23/21 03:04*	*1*
13C8 FOSA	*89*		*10 - 143*	*03/22/21 07:44*	*03/23/21 03:04*	*1*
13C3 PFHxS	*99*		*32 - 145*	*03/22/21 07:44*	*03/23/21 03:04*	*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		03/22/21 07:21	03/23/21 22:00	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
NEtFOSAA	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
NMeFOSAA	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		03/22/21 07:21	03/23/21 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:00*	*1*
13C2 PFDA	*88*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:00*	*1*
13C2 PFHxA	*90*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:00*	*1*

Client Sample ID: PV-2_50

Date Collected: 03/17/21 10:07
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-5

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	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 03:14	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/22/21 07:44	03/23/21 03:14	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 03:14	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:14	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:14	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:14	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		03/22/21 07:44	03/23/21 03:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*148*		*29 - 189*	*03/22/21 07:44*	*03/23/21 03:14*	*1*
M2-8:2 FTS	*143*		*34 - 182*	*03/22/21 07:44*	*03/23/21 03:14*	*1*
13C4 PFBA	*129*		*41 - 132*	*03/22/21 07:44*	*03/23/21 03:14*	*1*
13C5 PFPeA	*133*		*33 - 155*	*03/22/21 07:44*	*03/23/21 03:14*	*1*
13C8 PFOS	*123*		*49 - 126*	*03/22/21 07:44*	*03/23/21 03:14*	*1*
13C8 FOSA	*123*		*10 - 143*	*03/22/21 07:44*	*03/23/21 03:14*	*1*
13C3 PFHxS	*129*		*32 - 145*	*03/22/21 07:44*	*03/23/21 03:14*	*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		03/22/21 07:21	03/23/21 20:28	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
NEtFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
NMeFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*03/22/21 07:21*	*03/23/21 20:28*	*1*
13C2 PFDA	*75*		*70 - 130*	*03/22/21 07:21*	*03/23/21 20:28*	*1*
13C2 PFHxA	*75*		*70 - 130*	*03/22/21 07:21*	*03/23/21 20:28*	*1*

Client Sample ID: PV-2_75

Date Collected: 03/17/21 10:10
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-6

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	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 03:25	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/22/21 07:44	03/23/21 03:25	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		03/22/21 07:44	03/23/21 03:25	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:25	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:25	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:25	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*114*		*29 - 189*	*03/22/21 07:44*	*03/23/21 03:25*	*1*
M2-8:2 FTS	*109*		*34 - 182*	*03/22/21 07:44*	*03/23/21 03:25*	*1*
13C4 PFBA	*99*		*41 - 132*	*03/22/21 07:44*	*03/23/21 03:25*	*1*
13C5 PFPeA	*105*		*33 - 155*	*03/22/21 07:44*	*03/23/21 03:25*	*1*
13C8 PFOS	*96*		*49 - 126*	*03/22/21 07:44*	*03/23/21 03:25*	*1*
13C8 FOSA	*98*		*10 - 143*	*03/22/21 07:44*	*03/23/21 03:25*	*1*
13C3 PFHxS	*103*		*32 - 145*	*03/22/21 07:44*	*03/23/21 03:25*	*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		03/22/21 07:21	03/23/21 22:11	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
NEtFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
NMeFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*83*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:11*	*1*
13C2 PFDA	*83*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:11*	*1*
13C2 PFHxA	*92*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:11*	*1*

Client Sample ID: FTB01-210317

Date Collected: 03/17/21 10:20
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-7

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	4.6	U	4.6		ng/L		03/22/21 07:44	03/23/21 03:36	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		03/22/21 07:44	03/23/21 03:36	1
Perfluorobutanoic acid	4.6	U	4.6		ng/L		03/22/21 07:44	03/23/21 03:36	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:36	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:36	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:36	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*119*		*29 - 189*	*03/22/21 07:44*	*03/23/21 03:36*	*1*
M2-8:2 FTS	*129*		*34 - 182*	*03/22/21 07:44*	*03/23/21 03:36*	*1*
13C4 PFBA	*117*		*41 - 132*	*03/22/21 07:44*	*03/23/21 03:36*	*1*
13C5 PFPeA	*123*		*33 - 155*	*03/22/21 07:44*	*03/23/21 03:36*	*1*
13C8 PFOS	*113*		*49 - 126*	*03/22/21 07:44*	*03/23/21 03:36*	*1*
13C8 FOSA	*100*		*10 - 143*	*03/22/21 07:44*	*03/23/21 03:36*	*1*
13C3 PFHxS	*81*		*32 - 145*	*03/22/21 07:44*	*03/23/21 03:36*	*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		03/25/21 08:26	03/26/21 18:04	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
NEtFOSAA	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
NMeFOSAA	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		03/25/21 08:26	03/26/21 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*108*		*70 - 130*	*03/25/21 08:26*	*03/26/21 18:04*	*1*
13C2 PFDA	*124*		*70 - 130*	*03/25/21 08:26*	*03/26/21 18:04*	*1*
13C2 PFHxA	*117*		*70 - 130*	*03/25/21 08:26*	*03/26/21 18:04*	*1*

Client Sample ID: LTB01-210317

Date Collected: 03/17/21 00:00
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-8

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		03/22/21 07:44	03/23/21 03:46	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		03/22/21 07:44	03/23/21 03:46	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		03/22/21 07:44	03/23/21 03:46	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:46	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:46	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:46	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		03/22/21 07:44	03/23/21 03:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*107*		*29 - 189*	*03/22/21 07:44*	*03/23/21 03:46*	*1*
M2-8:2 FTS	*121*		*34 - 182*	*03/22/21 07:44*	*03/23/21 03:46*	*1*
13C4 PFBA	*104*		*41 - 132*	*03/22/21 07:44*	*03/23/21 03:46*	*1*
13C5 PFPeA	*104*		*33 - 155*	*03/22/21 07:44*	*03/23/21 03:46*	*1*
13C8 PFOS	*103*		*49 - 126*	*03/22/21 07:44*	*03/23/21 03:46*	*1*
13C8 FOSA	*88*		*10 - 143*	*03/22/21 07:44*	*03/23/21 03:46*	*1*
13C3 PFHxS	*101*		*32 - 145*	*03/22/21 07:44*	*03/23/21 03:46*	*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		03/22/21 07:21	03/23/21 22:23	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
NEtFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
NMeFOSAA	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		03/22/21 07:21	03/23/21 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*82*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:23*	*1*
13C2 PFDA	*85*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:23*	*1*
13C2 PFHxA	*95*		*70 - 130*	*03/22/21 07:21*	*03/23/21 22:23*	*1*

Surrogate Summary

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

Job ID: 410-32830-1
SDG: HOO

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	d5NEFOS (70-130)	PFDA (70-130)	PFHxA (70-130)						
410-32830-1	GAC Influent	85	108	106						
410-32830-1 - DL	GAC Influent	80	79	85						
410-32830-2	GAC Midfluent	86	91	93						
410-32830-3	GAC Effluent	96	85	88						
410-32830-4	PV-2_25	97	88	90						
410-32830-5	PV-2_50	89	75	75						
410-32830-6	PV-2_75	83	83	92						
410-32830-7	FTB01-210317	108	124	117						
410-32830-8	LTB01-210317	82	85	95						
LCS 410-105505/2-A	Lab Control Sample	88	81	90						
LCS 410-106997/2-A	Lab Control Sample	112	108	98						
LCSD 410-105505/3-A	Lab Control Sample Dup	89	87	93						
LCSD 410-106997/3-A	Lab Control Sample Dup	118	111	100						
MB 410-105505/1-A	Method Blank	83	79	83						
MB 410-106997/1-A	Method Blank	113	105	92						

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: 410-32830-1
SDG: HOO

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

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	M262FTS (29-189)	M282FTS (34-182)	PFBA (41-132)	PFPeA (33-155)	C8PFOS (49-126)	PFOSA (10-143)	C3PFHS (32-145)
410-32830-1	GAC Influent	119	121	110	142	107	88	125
410-32830-2	GAC Midfluent	127	134	109	112	109	104	104
410-32830-3	GAC Effluent	125	130	107	109	109	105	109
410-32830-4	PV-2_25	113	109	97	99	98	89	99
410-32830-5	PV-2_50	148	143	129	133	123	123	129
410-32830-6	PV-2_75	114	109	99	105	96	98	103
410-32830-7	FTB01-210317	119	129	117	123	113	100	81
410-32830-8	LTB01-210317	107	121	104	104	103	88	101
LCS 410-105525/2-A	Lab Control Sample	114	111	101	104	97	96	106
LCSD 410-105525/3-A	Lab Control Sample Dup	114	103	106	108	98	92	106
MB 410-105525/1-A	Method Blank	108	113	98	101	96	87	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

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

Lab Sample ID: MB 410-105525/1-A
Matrix: Water
Analysis Batch: 105636

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105525

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		03/22/21 07:44	03/23/21 00:36	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		03/22/21 07:44	03/23/21 00:36	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		03/22/21 07:44	03/23/21 00:36	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		03/22/21 07:44	03/23/21 00:36	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		03/22/21 07:44	03/23/21 00:36	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		03/22/21 07:44	03/23/21 00:36	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		03/22/21 07:44	03/23/21 00:36	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*108*		*29 - 189*	*03/22/21 07:44*	*03/23/21 00:36*	*1*
M2-8:2 FTS	*113*		*34 - 182*	*03/22/21 07:44*	*03/23/21 00:36*	*1*
13C4 PFBA	*98*		*41 - 132*	*03/22/21 07:44*	*03/23/21 00:36*	*1*
13C5 PFPeA	*101*		*33 - 155*	*03/22/21 07:44*	*03/23/21 00:36*	*1*
13C8 PFOS	*96*		*49 - 126*	*03/22/21 07:44*	*03/23/21 00:36*	*1*
13C8 FOSA	*87*		*10 - 143*	*03/22/21 07:44*	*03/23/21 00:36*	*1*
13C3 PFHxS	*102*		*32 - 145*	*03/22/21 07:44*	*03/23/21 00:36*	*1*

Lab Sample ID: LCS 410-105525/2-A
Matrix: Water
Analysis Batch: 105636

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105525

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	20.2		ng/L		83	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	19.9		ng/L		81	56 - 140		
Perfluorobutanoic acid			25.6	24.0		ng/L		94	62 - 156		
Perfluorodecanesulfonic acid			24.7	21.2		ng/L		86	61 - 134		
Perfluoroheptanesulfonic acid			24.4	23.3		ng/L		95	67 - 135		
Perfluorooctanesulfonamide			25.6	20.1		ng/L		79	55 - 130		
Perfluoropentanoic acid			25.6	22.7		ng/L		89	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*114*		*29 - 189*
M2-8:2 FTS	*111*		*34 - 182*
13C4 PFBA	*101*		*41 - 132*
13C5 PFPeA	*104*		*33 - 155*
13C8 PFOS	*97*		*49 - 126*
13C8 FOSA	*96*		*10 - 143*
13C3 PFHxS	*106*		*32 - 145*

Lab Sample ID: LCSD 410-105525/3-A
Matrix: Water
Analysis Batch: 105636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105525

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	20.2		ng/L		83	57 - 137	0	30
8:2 Fluorotelomer sulfonic acid			24.5	19.3		ng/L		79	56 - 140	3	30
Perfluorobutanoic acid			25.6	23.8		ng/L		93	62 - 156	1	30
Perfluorodecanesulfonic acid			24.7	22.6		ng/L		92	61 - 134	7	30
Perfluoroheptanesulfonic acid			24.4	23.7		ng/L		97	67 - 135	2	30

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

Lab Sample ID: LCSD 410-105525/3-A
Matrix: Water
Analysis Batch: 105636

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105525

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonamide			25.6	20.8		ng/L		81	55 - 130	4	30
Perfluoropentanoic acid			25.6	23.2		ng/L		91	72 - 139	2	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-6:2 FTS	*114*		*29 - 189*
M2-8:2 FTS	*103*		*34 - 182*
13C4 PFBA	*106*		*41 - 132*
13C5 PFPeA	*108*		*33 - 155*
13C8 PFOS	*98*		*49 - 126*
13C8 FOSA	*92*		*10 - 143*
13C3 PFHxS	*106*		*32 - 145*

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

Lab Sample ID: MB 410-105505/1-A
Matrix: Water
Analysis Batch: 106118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105505

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
NEtFOSAA	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
NMeFOSAA	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		03/22/21 07:21	03/23/21 12:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*83*		*70 - 130*	*03/22/21 07:21*	*03/23/21 12:38*	*1*
13C2 PFDA	*79*		*70 - 130*	*03/22/21 07:21*	*03/23/21 12:38*	*1*
13C2 PFHxA	*83*		*70 - 130*	*03/22/21 07:21*	*03/23/21 12:38*	*1*

Lab Sample ID: LCS 410-105505/2-A
Matrix: Water
Analysis Batch: 106118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105505

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	17.0		ng/L		83	70 - 130		
Perfluoroheptanoic acid			20.5	16.4		ng/L		80	70 - 130		
Perfluorooctanoic acid			20.5	15.8		ng/L		77	70 - 130		
Perfluorononanoic acid			20.5	15.9		ng/L		78	70 - 130		
Perfluorodecanoic acid			20.5	15.5		ng/L		76	70 - 130		

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

Lab Sample ID: LCS 410-105505/2-A
Matrix: Water
Analysis Batch: 106118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105505

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorotridecanoic acid	20.5	14.7		ng/L		72	70 - 130
Perfluorotetradecanoic acid	20.5	15.4		ng/L		75	70 - 130
Perfluorobutanesulfonic acid	18.1	16.4		ng/L		91	70 - 130
Perfluorohexanesulfonic acid	18.7	16.4		ng/L		88	70 - 130
Perfluorooctanesulfonic acid	19.0	16.0		ng/L		85	70 - 130
NEtFOSAA	20.5	17.8		ng/L		87	70 - 130
NMeFOSAA	20.5	16.9		ng/L		83	70 - 130
Perfluoroundecanoic acid	20.5	14.7		ng/L		72	70 - 130
Perfluorododecanoic acid	20.5	15.1		ng/L		74	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*88*		*70 - 130*
13C2 PFDA	*81*		*70 - 130*
13C2 PFHxA	*90*		*70 - 130*

Lab Sample ID: LCSD 410-105505/3-A
Matrix: Water
Analysis Batch: 106118

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 105505

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	20.5	18.2		ng/L		89	70 - 130	7	30
Perfluoroheptanoic acid	20.5	17.4		ng/L		85	70 - 130	6	30
Perfluorooctanoic acid	20.5	17.3		ng/L		84	70 - 130	9	30
Perfluorononanoic acid	20.5	17.1		ng/L		84	70 - 130	7	30
Perfluorodecanoic acid	20.5	16.6		ng/L		81	70 - 130	7	30
Perfluorotridecanoic acid	20.5	15.8		ng/L		77	70 - 130	7	30
Perfluorotetradecanoic acid	20.5	15.7		ng/L		77	70 - 130	2	30
Perfluorobutanesulfonic acid	18.1	15.3		ng/L		85	70 - 130	7	30
Perfluorohexanesulfonic acid	18.7	15.4		ng/L		82	70 - 130	6	30
Perfluorooctanesulfonic acid	19.0	16.0		ng/L		84	70 - 130	0	30
NEtFOSAA	20.5	17.8		ng/L		87	70 - 130	0	30
NMeFOSAA	20.5	16.9		ng/L		82	70 - 130	0	30
Perfluoroundecanoic acid	20.5	16.1		ng/L		79	70 - 130	10	30
Perfluorododecanoic acid	20.5	15.4		ng/L		75	70 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*89*		*70 - 130*
13C2 PFDA	*87*		*70 - 130*
13C2 PFHxA	*93*		*70 - 130*

Lab Sample ID: MB 410-106997/1-A
Matrix: Water
Analysis Batch: 107407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 106997

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0	ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		03/25/21 08:26	03/26/21 17:18	1

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

Lab Sample ID: MB 410-106997/1-A
Matrix: Water
Analysis Batch: 107407

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 106997

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
NEtFOSAA	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
NMeFOSAA	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		03/25/21 08:26	03/26/21 17:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*113*		*70 - 130*	*03/25/21 08:26*	*03/26/21 17:18*	*1*
13C2 PFDA	*105*		*70 - 130*	*03/25/21 08:26*	*03/26/21 17:18*	*1*
13C2 PFHxA	*92*		*70 - 130*	*03/25/21 08:26*	*03/26/21 17:18*	*1*

Lab Sample ID: LCS 410-106997/2-A
Matrix: Water
Analysis Batch: 107407

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 106997

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	18.5		ng/L		90	70 - 130		
Perfluoroheptanoic acid			20.5	18.5		ng/L		90	70 - 130		
Perfluorooctanoic acid			20.5	18.8		ng/L		92	70 - 130		
Perfluorononanoic acid			20.5	20.2		ng/L		99	70 - 130		
Perfluorodecanoic acid			20.5	20.1		ng/L		98	70 - 130		
Perfluorotridecanoic acid			20.5	22.1		ng/L		108	70 - 130		
Perfluorotetradecanoic acid			20.5	21.2		ng/L		103	70 - 130		
Perfluorobutanesulfonic acid			18.1	16.8		ng/L		93	70 - 130		
Perfluorohexanesulfonic acid			18.7	16.7		ng/L		90	70 - 130		
Perfluorooctanesulfonic acid			19.0	16.5		ng/L		87	70 - 130		
NEtFOSAA			20.5	17.9		ng/L		87	70 - 130		
NMeFOSAA			20.5	16.0		ng/L		78	70 - 130		
Perfluoroundecanoic acid			20.5	21.1		ng/L		103	70 - 130		
Perfluorododecanoic acid			20.5	19.8		ng/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*112*		*70 - 130*
13C2 PFDA	*108*		*70 - 130*
13C2 PFHxA	*98*		*70 - 130*

Lab Sample ID: LCSD 410-106997/3-A
Matrix: Water
Analysis Batch: 107407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 106997

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	18.9		ng/L		92	70 - 130	2	30

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

Lab Sample ID: LCSD 410-106997/3-A
Matrix: Water
Analysis Batch: 107407

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 106997

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroheptanoic acid			20.5	19.2		ng/L		94	70 - 130	4	30
Perfluorooctanoic acid			20.5	19.3		ng/L		94	70 - 130	3	30
Perfluorononanoic acid			20.5	21.0		ng/L		102	70 - 130	4	30
Perfluorodecanoic acid			20.5	21.6		ng/L		105	70 - 130	7	30
Perfluorotridecanoic acid			20.5	23.4		ng/L		114	70 - 130	6	30
Perfluorotetradecanoic acid			20.5	21.9		ng/L		107	70 - 130	3	30
Perfluorobutanesulfonic acid			18.1	17.7		ng/L		98	70 - 130	5	30
Perfluorohexanesulfonic acid			18.7	18.1		ng/L		97	70 - 130	8	30
Perfluorooctanesulfonic acid			19.0	18.5		ng/L		98	70 - 130	11	30
NEtFOSAA			20.5	19.6		ng/L		96	70 - 130	9	30
NMeFOSAA			20.5	17.0		ng/L		83	70 - 130	6	30
Perfluoroundecanoic acid			20.5	21.5		ng/L		105	70 - 130	2	30
Perfluorododecanoic acid			20.5	23.1		ng/L		113	70 - 130	15	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*118*		*70 - 130*
13C2 PFDA	*111*		*70 - 130*
13C2 PFHxA	*100*		*70 - 130*

LCMS

Prep Batch: 105505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-32830-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-32830-1	GAC Influent	Total/NA	Water	537 DW	
410-32830-2	GAC Midfluent	Total/NA	Water	537 DW	
410-32830-3	GAC Effluent	Total/NA	Water	537 DW	
410-32830-4	PV-2_25	Total/NA	Water	537 DW	
410-32830-5	PV-2_50	Total/NA	Water	537 DW	
410-32830-6	PV-2_75	Total/NA	Water	537 DW	
410-32830-8	LTB01-210317	Total/NA	Water	537 DW	
MB 410-105505/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-105505/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-105505/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Prep Batch: 105525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-32830-1	GAC Influent	Total/NA	Water	537 (Mod)	
410-32830-2	GAC Midfluent	Total/NA	Water	537 (Mod)	
410-32830-3	GAC Effluent	Total/NA	Water	537 (Mod)	
410-32830-4	PV-2_25	Total/NA	Water	537 (Mod)	
410-32830-5	PV-2_50	Total/NA	Water	537 (Mod)	
410-32830-6	PV-2_75	Total/NA	Water	537 (Mod)	
410-32830-7	FTB01-210317	Total/NA	Water	537 (Mod)	
410-32830-8	LTB01-210317	Total/NA	Water	537 (Mod)	
MB 410-105525/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-105525/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
LCSD 410-105525/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	

Analysis Batch: 105636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-32830-1	GAC Influent	Total/NA	Water	537 (Mod)	105525
410-32830-2	GAC Midfluent	Total/NA	Water	537 (Mod)	105525
410-32830-3	GAC Effluent	Total/NA	Water	537 (Mod)	105525
410-32830-4	PV-2_25	Total/NA	Water	537 (Mod)	105525
410-32830-5	PV-2_50	Total/NA	Water	537 (Mod)	105525
410-32830-6	PV-2_75	Total/NA	Water	537 (Mod)	105525
410-32830-7	FTB01-210317	Total/NA	Water	537 (Mod)	105525
410-32830-8	LTB01-210317	Total/NA	Water	537 (Mod)	105525
MB 410-105525/1-A	Method Blank	Total/NA	Water	537 (Mod)	105525
LCS 410-105525/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	105525
LCSD 410-105525/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	105525

Analysis Batch: 106118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-32830-1	GAC Influent	Total/NA	Water	537 DW	105505
410-32830-1 - DL	GAC Influent	Total/NA	Water	537 DW	105505
410-32830-2	GAC Midfluent	Total/NA	Water	537 DW	105505
410-32830-3	GAC Effluent	Total/NA	Water	537 DW	105505
410-32830-4	PV-2_25	Total/NA	Water	537 DW	105505
410-32830-5	PV-2_50	Total/NA	Water	537 DW	105505
410-32830-6	PV-2_75	Total/NA	Water	537 DW	105505
410-32830-8	LTB01-210317	Total/NA	Water	537 DW	105505
MB 410-105505/1-A	Method Blank	Total/NA	Water	537 DW	105505

LCMS (Continued)

Analysis Batch: 106118 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-105505/2-A	Lab Control Sample	Total/NA	Water	537 DW	105505
LCSD 410-105505/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	105505

Prep Batch: 106997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-32830-7	FTB01-210317	Total/NA	Water	537 DW	
MB 410-106997/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-106997/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-106997/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 107407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-32830-7	FTB01-210317	Total/NA	Water	537 DW	106997
MB 410-106997/1-A	Method Blank	Total/NA	Water	537 DW	106997
LCS 410-106997/2-A	Lab Control Sample	Total/NA	Water	537 DW	106997
LCSD 410-106997/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	106997

Lab Chronicle

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

Job ID: 410-32830-1
SDG: HOO

Client Sample ID: GAC Influent
Lab Sample ID: 410-32830-1
Date Collected: 03/17/21 09:50
Matrix: Water
Date Received: 03/18/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 02:21	UUV6	ELLE
Total/NA	Prep	537 DW			105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW		1	106118	03/23/21 14:55	PY4D	ELLE
Total/NA	Prep	537 DW	DL		105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW	DL	10	106118	03/23/21 23:20	PY4D	ELLE

Client Sample ID: GAC Midfluent
Lab Sample ID: 410-32830-2
Date Collected: 03/17/21 09:57
Matrix: Water
Date Received: 03/18/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 02:32	UUV6	ELLE
Total/NA	Prep	537 DW			105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW		1	106118	03/23/21 15:07	PY4D	ELLE

Client Sample ID: GAC Effluent
Lab Sample ID: 410-32830-3
Date Collected: 03/17/21 10:00
Matrix: Water
Date Received: 03/18/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 02:43	UUV6	ELLE
Total/NA	Prep	537 DW			105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW		1	106118	03/23/21 21:48	PY4D	ELLE

Client Sample ID: PV-2_25
Lab Sample ID: 410-32830-4
Date Collected: 03/17/21 10:04
Matrix: Water
Date Received: 03/18/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 03:04	UUV6	ELLE
Total/NA	Prep	537 DW			105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW		1	106118	03/23/21 22:00	PY4D	ELLE

Client Sample ID: PV-2_50
Lab Sample ID: 410-32830-5
Date Collected: 03/17/21 10:07
Matrix: Water
Date Received: 03/18/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 03:14	UUV6	ELLE
Total/NA	Prep	537 DW			105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW		1	106118	03/23/21 20:28	PY4D	ELLE

Lab Chronicle

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

Job ID: 410-32830-1
SDG: HOO

Client Sample ID: PV-2_75
Date Collected: 03/17/21 10:10
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 03:25	UUV6	ELLE
Total/NA	Prep	537 DW			105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW		1	106118	03/23/21 22:11	PY4D	ELLE

Client Sample ID: FTB01-210317
Date Collected: 03/17/21 10:20
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 03:36	UUV6	ELLE
Total/NA	Prep	537 DW			106997	03/25/21 08:26	S7AC	ELLE
Total/NA	Analysis	537 DW		1	107407	03/26/21 18:04	DCS9	ELLE

Client Sample ID: LTB01-210317
Date Collected: 03/17/21 00:00
Date Received: 03/18/21 11:04

Lab Sample ID: 410-32830-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			105525	03/22/21 07:44	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	105636	03/23/21 03:46	UUV6	ELLE
Total/NA	Prep	537 DW			105505	03/22/21 07:21	W5MU	ELLE
Total/NA	Analysis	537 DW		1	106118	03/23/21 22:23	PY4D	ELLE

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: 410-32830-1
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	04-01-21

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: 410-32830-1
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: 410-32830-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-32830-1	GAC Influent	Water	03/17/21 09:50	03/18/21 11:04	
410-32830-2	GAC Midfluent	Water	03/17/21 09:57	03/18/21 11:04	
410-32830-3	GAC Effluent	Water	03/17/21 10:00	03/18/21 11:04	
410-32830-4	PV-2_25	Water	03/17/21 10:04	03/18/21 11:04	
410-32830-5	PV-2_50	Water	03/17/21 10:07	03/18/21 11:04	
410-32830-6	PV-2_75	Water	03/17/21 10:10	03/18/21 11:04	
410-32830-7	FTB01-210317	Water	03/17/21 10:20	03/18/21 11:04	
410-32830-8	LTB01-210317	Water	03/17/21 00:00	03/18/21 11:04	

eurofins Lancaster Laboratories

Environmental Services Analysis R[barcode]ody

Acct. #: 37191 Group #: Sample #:

410-32830 Chain of Custody

COC#: 203674

For Lab Use Only
Project# 41000511
SCR#: 264921

Client: C.T. Male Associates	
Project Name/#: Hoosick Falls WTP	Site ID:
Project Manager: Kirk Moline	P.O. #: 14.4756
Sampler: C. Ormsby	Quote #: 219169
Phone #:	For Compliance:
State where sample(s) were collected: NY	Yes ☐ No ☐

Preservation and Filtration Codes

Preservation Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 P = H_3PO_4
O = Other Z = Trizma

Matrix: Sediment ☐, Ground ☐, Surface ☐, Soil ☐, Water: Potable ☑, NPDES ☐, Other: Reagent Water

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil	Water	Other	Total # of Containers	7 PFAS (EPA 537 mod.)	14 PFAS (EPA 537 ver. 1.1) Z										Remarks
GAC Influent	3/17/21	0950	✓			✓		8	✓	✓										PFAS QC Batch collected
GAC Midfluent	↓	0957	✓			✓		4	✓	✓										
GAC Effluent	↓	1000	✓			✓		4	✓	✓										
PV-2_25	↓	1004	✓			✓		4	✓	✓										
PV-2_50	↓	1007	✓			✓		4	✓	✓										
PV-2_75	↓	1010	✓			✓		4	✓	✓										
FTB01-210317	↓	1020	✓				✓	4	✓	✓										
LTB01-210317	↓	—					✓	4	✓	✓										

Turnaround Time Requested (TAT) (please check): Standard ☑ RUSH ☐
(RUSH TAT is subject to Eurofins Lancaster Laboratories approval and surcharges.)
Date results are needed:
E-mail address to send RUSH results:

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐	TX TRRP - 13	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐		
Type IV (CLP SOW)	☐	ASP Type A	☐		
Type VI (Raw Data Only)	☐	ASP Type B	☑		

EDD Format: EQuIS

If site-specific QC (MS/MSD/Dup) required, indicate QC samples and submit triplicate volume.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3/17/21	1310			
			[signature]	3/18/21	1104

Airbill No.:
Relinquished by Commercial Carrier:
UPS ______ FedEx ______ Other ______

Temperature upon receipt 1.0 °C

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-32830-1
SDG Number: HOO

Login Number: 32830
List Number: 1
Creator: Rivera, Tatiana

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
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	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	