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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: 410-50447-1
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:
8/17/2021 11:27:51 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.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Paul Hobart
Project Manager
8/17/2021 11:27:51 AM

Table of Contents

Definitions/Glossary

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

Job ID: 410-50447-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
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: 410-50447-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-50447-1

Receipt

The samples were received on 8/7/2021 10:22 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C

PFAS

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

Detection Summary

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

Job ID: 410-50447-1

Client Sample ID: GAC INFLUENT — Lab Sample ID: 410-50447-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid	1.9		1.7		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	6.4		1.7		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	6.8		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	6.9		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	240		17		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC MIDFLUENT — Lab Sample ID: 410-50447-2

No Detections.

Client Sample ID: GAC EFFLUENT — Lab Sample ID: 410-50447-3

No Detections.

Client Sample ID: FTB01-210805 — Lab Sample ID: 410-50447-4

No Detections.

Client Sample ID: LTB01-210805 — Lab Sample ID: 410-50447-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

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

Job ID: 410-50447-1

Client Sample ID: GAC INFLUENT

Date Collected: 08/05/21 09:25
Date Received: 08/07/21 10:22

Lab Sample ID: 410-50447-1

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	4.3	U	4.3		ng/L		08/11/21 09:26	08/13/21 00:48	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		08/11/21 09:26	08/13/21 00:48	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		08/11/21 09:26	08/13/21 00:48	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 00:48	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 00:48	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 00:48	1
Perfluoropentanoic acid	**1.9**		1.7		ng/L		08/11/21 09:26	08/13/21 00:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*101*		*29 - 189*	*08/11/21 09:26*	*08/13/21 00:48*	*1*
M2-8:2 FTS	*105*		*34 - 182*	*08/11/21 09:26*	*08/13/21 00:48*	*1*
13C4 PFBA	*91*		*41 - 132*	*08/11/21 09:26*	*08/13/21 00:48*	*1*
13C5 PFPeA	*99*		*33 - 155*	*08/11/21 09:26*	*08/13/21 00:48*	*1*
13C8 PFOS	*85*		*49 - 126*	*08/11/21 09:26*	*08/13/21 00:48*	*1*
13C8 FOSA	*94*		*10 - 143*	*08/11/21 09:26*	*08/13/21 00:48*	*1*
13C3 PFHxS	*85*		*32 - 145*	*08/11/21 09:26*	*08/13/21 00:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**6.4**		1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluoroheptanoic acid	**6.8**		1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorobutanesulfonic acid	1.7	U *1	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorooctanesulfonic acid	**6.9**		1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
NEtFOSAA	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
NMeFOSAA	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*08/10/21 05:03*	*08/11/21 15:14*	*1*
13C2 PFDA	*109*		*70 - 130*	*08/10/21 05:03*	*08/11/21 15:14*	*1*
13C2 PFHxA	*104*		*70 - 130*	*08/10/21 05:03*	*08/11/21 15:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**240**		17		ng/L		08/10/21 05:03	08/12/21 16:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*86*		*70 - 130*	*08/10/21 05:03*	*08/12/21 16:29*	*10*
13C2 PFDA	*89*		*70 - 130*	*08/10/21 05:03*	*08/12/21 16:29*	*10*
13C2 PFHxA	*91*		*70 - 130*	*08/10/21 05:03*	*08/12/21 16:29*	*10*

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

Job ID: 410-50447-1

Client Sample ID: GAC MIDFLUENT
Date Collected: 08/05/21 09:35
Date Received: 08/07/21 10:22

Lab Sample ID: 410-50447-2
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	4.4	U	4.4		ng/L		08/11/21 09:26	08/13/21 00:59	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		08/11/21 09:26	08/13/21 00:59	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		08/11/21 09:26	08/13/21 00:59	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 00:59	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 00:59	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 00:59	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 00:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*121*		*29 - 189*	*08/11/21 09:26*	*08/13/21 00:59*	*1*
M2-8:2 FTS	*118*		*34 - 182*	*08/11/21 09:26*	*08/13/21 00:59*	*1*
13C4 PFBA	*105*		*41 - 132*	*08/11/21 09:26*	*08/13/21 00:59*	*1*
13C5 PFPeA	*118*		*33 - 155*	*08/11/21 09:26*	*08/13/21 00:59*	*1*
13C8 PFOS	*100*		*49 - 126*	*08/11/21 09:26*	*08/13/21 00:59*	*1*
13C8 FOSA	*106*		*10 - 143*	*08/11/21 09:26*	*08/13/21 00:59*	*1*
13C3 PFHxS	*94*		*32 - 145*	*08/11/21 09:26*	*08/13/21 00:59*	*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		08/10/21 05:03	08/11/21 18:25	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorobutanesulfonic acid	1.7	U *1	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
NEtFOSAA	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
NMeFOSAA	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*		*70 - 130*	*08/10/21 05:03*	*08/11/21 18:25*	*1*
13C2 PFDA	*92*		*70 - 130*	*08/10/21 05:03*	*08/11/21 18:25*	*1*
13C2 PFHxA	*99*		*70 - 130*	*08/10/21 05:03*	*08/11/21 18:25*	*1*

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

Job ID: 410-50447-1

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-50447-3

Date Collected: 08/05/21 09:40

Matrix: Water

Date Received: 08/07/21 10:22

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		08/11/21 09:26	08/13/21 01:10	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		08/11/21 09:26	08/13/21 01:10	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		08/11/21 09:26	08/13/21 01:10	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 01:10	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 01:10	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 01:10	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		08/11/21 09:26	08/13/21 01:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*120*		*29 - 189*	*08/11/21 09:26*	*08/13/21 01:10*	*1*
M2-8:2 FTS	*117*		*34 - 182*	*08/11/21 09:26*	*08/13/21 01:10*	*1*
13C4 PFBA	*97*		*41 - 132*	*08/11/21 09:26*	*08/13/21 01:10*	*1*
13C5 PFPeA	*107*		*33 - 155*	*08/11/21 09:26*	*08/13/21 01:10*	*1*
13C8 PFOS	*99*		*49 - 126*	*08/11/21 09:26*	*08/13/21 01:10*	*1*
13C8 FOSA	*102*		*10 - 143*	*08/11/21 09:26*	*08/13/21 01:10*	*1*
13C3 PFHxS	*89*		*32 - 145*	*08/11/21 09:26*	*08/13/21 01:10*	*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		08/10/21 05:03	08/11/21 18:37	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorobutanesulfonic acid	1.7	U *1	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
NEtFOSAA	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
NMeFOSAA	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/10/21 05:03	08/11/21 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*08/10/21 05:03*	*08/11/21 18:37*	*1*
13C2 PFDA	*94*		*70 - 130*	*08/10/21 05:03*	*08/11/21 18:37*	*1*
13C2 PFHxA	*96*		*70 - 130*	*08/10/21 05:03*	*08/11/21 18:37*	*1*

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

Job ID: 410-50447-1

Client Sample ID: FTB01-210805
Date Collected: 08/05/21 09:45
Date Received: 08/07/21 10:22

Lab Sample ID: 410-50447-4
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		08/11/21 09:26	08/13/21 01:21	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		08/11/21 09:26	08/13/21 01:21	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		08/11/21 09:26	08/13/21 01:21	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:21	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:21	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:21	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*110*		*29 - 189*	*08/11/21 09:26*	*08/13/21 01:21*	*1*
M2-8:2 FTS	*114*		*34 - 182*	*08/11/21 09:26*	*08/13/21 01:21*	*1*
13C4 PFBA	*94*		*41 - 132*	*08/11/21 09:26*	*08/13/21 01:21*	*1*
13C5 PFPeA	*103*		*33 - 155*	*08/11/21 09:26*	*08/13/21 01:21*	*1*
13C8 PFOS	*93*		*49 - 126*	*08/11/21 09:26*	*08/13/21 01:21*	*1*
13C8 FOSA	*99*		*10 - 143*	*08/11/21 09:26*	*08/13/21 01:21*	*1*
13C3 PFHxS	*89*		*32 - 145*	*08/11/21 09:26*	*08/13/21 01:21*	*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		08/13/21 08:55	08/17/21 07:57	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
NEtFOSAA	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
NMeFOSAA	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		08/13/21 08:55	08/17/21 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*98*		*70 - 130*	*08/13/21 08:55*	*08/17/21 07:57*	*1*
13C2 PFDA	*97*		*70 - 130*	*08/13/21 08:55*	*08/17/21 07:57*	*1*
13C2 PFHxA	*100*		*70 - 130*	*08/13/21 08:55*	*08/17/21 07:57*	*1*

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

Job ID: 410-50447-1

Client Sample ID: LTB01-210805
Date Collected: 08/05/21 00:00
Date Received: 08/07/21 10:22

Lab Sample ID: 410-50447-5
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		08/11/21 09:26	08/13/21 01:32	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		08/11/21 09:26	08/13/21 01:32	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		08/11/21 09:26	08/13/21 01:32	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:32	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:32	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:32	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		08/11/21 09:26	08/13/21 01:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*115*		*29 - 189*	*08/11/21 09:26*	*08/13/21 01:32*	*1*
M2-8:2 FTS	*108*		*34 - 182*	*08/11/21 09:26*	*08/13/21 01:32*	*1*
13C4 PFBA	*95*		*41 - 132*	*08/11/21 09:26*	*08/13/21 01:32*	*1*
13C5 PFPeA	*105*		*33 - 155*	*08/11/21 09:26*	*08/13/21 01:32*	*1*
13C8 PFOS	*91*		*49 - 126*	*08/11/21 09:26*	*08/13/21 01:32*	*1*
13C8 FOSA	*95*		*10 - 143*	*08/11/21 09:26*	*08/13/21 01:32*	*1*
13C3 PFHxS	*89*		*32 - 145*	*08/11/21 09:26*	*08/13/21 01:32*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluoroheptanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorooctanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorononanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorodecanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorotridecanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorotetradecanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorobutanesulfonic acid	1.6	U *1	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorohexanesulfonic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorooctanesulfonic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
NEtFOSAA	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
NMeFOSAA	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluoroundecanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1
Perfluorododecanoic acid	1.6	U	1.6		ng/L		08/10/21 05:03	08/11/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*88*		*70 - 130*	*08/10/21 05:03*	*08/11/21 19:00*	*1*
13C2 PFDA	*84*		*70 - 130*	*08/10/21 05:03*	*08/11/21 19:00*	*1*
13C2 PFHxA	*93*		*70 - 130*	*08/10/21 05:03*	*08/11/21 19:00*	*1*

Surrogate Summary

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

Job ID: 410-50447-1

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)						
410-50447-1	GAC INFLUENT	90	109	104						
410-50447-1 - DL	GAC INFLUENT	86	89	91						
410-50447-2	GAC MIDFLUENT	93	92	99						
410-50447-3	GAC EFFLUENT	97	94	96						
410-50447-4	FTB01-210805	98	97	100						
410-50447-5	LTB01-210805	88	84	93						
LCS 410-158445/2-A	Lab Control Sample	88	90	83						
LCS 410-160126/2-A	Lab Control Sample	99	98	96						
LCSD 410-158445/3-A	Lab Control Sample Dup	91	93	95						
LCSD 410-160126/3-A	Lab Control Sample Dup	89	93	92						
MB 410-158445/1-A	Method Blank	98	101	96						
MB 410-160126/1-A	Method Blank	101	98	99						

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: 410-50447-1

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)
410-50447-1	GAC INFLUENT	101	105	91	99	85	94	85
410-50447-2	GAC MIDFLUENT	121	118	105	118	100	106	94
410-50447-3	GAC EFFLUENT	120	117	97	107	99	102	89
410-50447-4	FTB01-210805	110	114	94	103	93	99	89
410-50447-5	LTB01-210805	115	108	95	105	91	95	89
LCS 410-159067/2-A	Lab Control Sample	128	116	99	111	96	94	94
MB 410-159067/1-A	Method Blank	108	104	88	95	85	88	79

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 410-159067/1-A
Matrix: Water
Analysis Batch: 159910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 159067

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		08/11/21 09:26	08/13/21 00:03	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		08/11/21 09:26	08/13/21 00:03	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		08/11/21 09:26	08/13/21 00:03	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		08/11/21 09:26	08/13/21 00:03	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		08/11/21 09:26	08/13/21 00:03	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		08/11/21 09:26	08/13/21 00:03	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		08/11/21 09:26	08/13/21 00:03	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*108*		*29 - 189*	*08/11/21 09:26*	*08/13/21 00:03*	*1*
M2-8:2 FTS	*104*		*34 - 182*	*08/11/21 09:26*	*08/13/21 00:03*	*1*
13C4 PFBA	*88*		*41 - 132*	*08/11/21 09:26*	*08/13/21 00:03*	*1*
13C5 PFPeA	*95*		*33 - 155*	*08/11/21 09:26*	*08/13/21 00:03*	*1*
13C8 PFOS	*85*		*49 - 126*	*08/11/21 09:26*	*08/13/21 00:03*	*1*
13C8 FOSA	*88*		*10 - 143*	*08/11/21 09:26*	*08/13/21 00:03*	*1*
13C3 PFHxS	*79*		*32 - 145*	*08/11/21 09:26*	*08/13/21 00:03*	*1*

Lab Sample ID: LCS 410-159067/2-A
Matrix: Water
Analysis Batch: 159910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 159067

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	22.3		ng/L		92	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	22.8		ng/L		93	56 - 140		
Perfluorobutanoic acid			25.6	24.4		ng/L		95	62 - 156		
Perfluorodecanesulfonic acid			24.7	25.7		ng/L		104	61 - 134		
Perfluoroheptanesulfonic acid			24.4	25.3		ng/L		104	67 - 135		
Perfluorooctanesulfonamide			25.6	25.1		ng/L		98	55 - 130		
Perfluoropentanoic acid			25.6	23.3		ng/L		91	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*128*		*29 - 189*
M2-8:2 FTS	*116*		*34 - 182*
13C4 PFBA	*99*		*41 - 132*
13C5 PFPeA	*111*		*33 - 155*
13C8 PFOS	*96*		*49 - 126*
13C8 FOSA	*94*		*10 - 143*
13C3 PFHxS	*94*		*32 - 145*

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

Lab Sample ID: MB 410-158445/1-A
Matrix: Water
Analysis Batch: 158906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158445

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1

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

Lab Sample ID: MB 410-158445/1-A
Matrix: Water
Analysis Batch: 158906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158445

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
NEtFOSAA	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
NMeFOSAA	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		08/10/21 05:03	08/11/21 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*98*		*70 - 130*	*08/10/21 05:03*	*08/11/21 12:42*	*1*
13C2 PFDA	*101*		*70 - 130*	*08/10/21 05:03*	*08/11/21 12:42*	*1*
13C2 PFHxA	*96*		*70 - 130*	*08/10/21 05:03*	*08/11/21 12:42*	*1*

Lab Sample ID: LCS 410-158445/2-A
Matrix: Water
Analysis Batch: 159490

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158445

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	17.3		ng/L		85	70 - 130		
Perfluoroheptanoic acid			20.5	20.0		ng/L		98	70 - 130		
Perfluorooctanoic acid			20.5	19.4		ng/L		95	70 - 130		
Perfluorononanoic acid			20.5	19.3		ng/L		94	70 - 130		
Perfluorodecanoic acid			20.5	19.3		ng/L		94	70 - 130		
Perfluorotridecanoic acid			20.5	19.7		ng/L		96	70 - 130		
Perfluorotetradecanoic acid			20.5	19.4		ng/L		95	70 - 130		
Perfluorobutanesulfonic acid			18.1	12.6		ng/L		70	70 - 130		
Perfluorohexanesulfonic acid			18.7	18.3		ng/L		98	70 - 130		
Perfluorooctanesulfonic acid			19.0	17.8		ng/L		94	70 - 130		
NEtFOSAA			20.5	18.7		ng/L		92	70 - 130		
NMeFOSAA			20.5	18.5		ng/L		90	70 - 130		
Perfluoroundecanoic acid			20.5	19.2		ng/L		94	70 - 130		
Perfluorododecanoic acid			20.5	19.5		ng/L		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*88*		*70 - 130*
13C2 PFDA	*90*		*70 - 130*
13C2 PFHxA	*83*		*70 - 130*

Lab Sample ID: LCSD 410-158445/3-A
Matrix: Water
Analysis Batch: 158906

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158445

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	19.8		ng/L		97	70 - 130	14	30

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

Lab Sample ID: LCSD 410-158445/3-A
Matrix: Water
Analysis Batch: 158906

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158445

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroheptanoic acid			20.5	20.3		ng/L		99	70 - 130	1	30
Perfluorooctanoic acid			20.5	20.1		ng/L		98	70 - 130	4	30
Perfluorononanoic acid			20.5	19.9		ng/L		97	70 - 130	3	30
Perfluorodecanoic acid			20.5	20.0		ng/L		98	70 - 130	3	30
Perfluorotridecanoic acid			20.5	19.8		ng/L		97	70 - 130	1	30
Perfluorotetradecanoic acid			20.5	19.7		ng/L		96	70 - 130	2	30
Perfluorobutanesulfonic acid			18.1	18.0	*1	ng/L		99	70 - 130	35	30
Perfluorohexanesulfonic acid			18.7	18.5		ng/L		99	70 - 130	1	30
Perfluorooctanesulfonic acid			19.0	18.4		ng/L		97	70 - 130	4	30
NEtFOSAA			20.5	19.6		ng/L		96	70 - 130	5	30
NMeFOSAA			20.5	19.0		ng/L		93	70 - 130	3	30
Perfluoroundecanoic acid			20.5	20.4		ng/L		99	70 - 130	6	30
Perfluorododecanoic acid			20.5	19.5		ng/L		95	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*91*		*70 - 130*
13C2 PFDA	*93*		*70 - 130*
13C2 PFHxA	*95*		*70 - 130*

Lab Sample ID: MB 410-160126/1-A
Matrix: Water
Analysis Batch: 161064

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 160126

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
NEtFOSAA	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
NMeFOSAA	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		08/13/21 08:55	08/17/21 07:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*101*		*70 - 130*	*08/13/21 08:55*	*08/17/21 07:11*	*1*
13C2 PFDA	*98*		*70 - 130*	*08/13/21 08:55*	*08/17/21 07:11*	*1*
13C2 PFHxA	*99*		*70 - 130*	*08/13/21 08:55*	*08/17/21 07:11*	*1*

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

Lab Sample ID: LCS 410-160126/2-A
Matrix: Water
Analysis Batch: 161064

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 160126

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			80.0	77.6		ng/L		97	70 - 130		
Perfluoroheptanoic acid			80.0	75.7		ng/L		95	70 - 130		
Perfluorooctanoic acid			80.0	77.0		ng/L		96	70 - 130		
Perfluorononanoic acid			80.0	76.6		ng/L		96	70 - 130		
Perfluorodecanoic acid			80.0	79.5		ng/L		99	70 - 130		
Perfluorotridecanoic acid			80.0	76.7		ng/L		96	70 - 130		
Perfluorotetradecanoic acid			80.0	74.8		ng/L		94	70 - 130		
Perfluorobutanesulfonic acid			70.8	72.4	E	ng/L		102	70 - 130		
Perfluorohexanesulfonic acid			73.0	79.5	E	ng/L		109	70 - 130		
Perfluorooctanesulfonic acid			74.0	80.6	E	ng/L		109	70 - 130		
NEtFOSAA			80.0	82.8	E	ng/L		104	70 - 130		
NMeFOSAA			80.0	81.3	E	ng/L		102	70 - 130		
Perfluoroundecanoic acid			80.0	76.0		ng/L		95	70 - 130		
Perfluorododecanoic acid			80.0	76.6		ng/L		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*99*		*70 - 130*
13C2 PFDA	*98*		*70 - 130*
13C2 PFHxA	*96*		*70 - 130*

Lab Sample ID: LCSD 410-160126/3-A
Matrix: Water
Analysis Batch: 161064

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 160126

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	74.3		ng/L		93	70 - 130	4	30
Perfluoroheptanoic acid			80.0	75.5		ng/L		94	70 - 130	0	30
Perfluorooctanoic acid			80.0	76.2		ng/L		95	70 - 130	1	30
Perfluorononanoic acid			80.0	77.5		ng/L		97	70 - 130	1	30
Perfluorodecanoic acid			80.0	77.3		ng/L		97	70 - 130	3	30
Perfluorotridecanoic acid			80.0	76.3		ng/L		95	70 - 130	1	30
Perfluorotetradecanoic acid			80.0	76.3		ng/L		95	70 - 130	2	30
Perfluorobutanesulfonic acid			70.8	62.4		ng/L		88	70 - 130	15	30
Perfluorohexanesulfonic acid			73.0	74.2	E	ng/L		102	70 - 130	7	30
Perfluorooctanesulfonic acid			74.0	73.3		ng/L		99	70 - 130	9	30
NEtFOSAA			80.0	76.3		ng/L		95	70 - 130	8	30
NMeFOSAA			80.0	74.7		ng/L		93	70 - 130	8	30
Perfluoroundecanoic acid			80.0	74.8		ng/L		94	70 - 130	2	30
Perfluorododecanoic acid			80.0	76.4		ng/L		95	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*89*		*70 - 130*
13C2 PFDA	*93*		*70 - 130*
13C2 PFHxA	*92*		*70 - 130*

LCMS

Prep Batch: 158445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50447-1 - DL	GAC INFLUENT	Total/NA	Water	537 DW	
410-50447-1	GAC INFLUENT	Total/NA	Water	537 DW	
410-50447-2	GAC MIDFLUENT	Total/NA	Water	537 DW	
410-50447-3	GAC EFFLUENT	Total/NA	Water	537 DW	
410-50447-5	LTB01-210805	Total/NA	Water	537 DW	
MB 410-158445/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-158445/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-158445/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 158906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50447-1	GAC INFLUENT	Total/NA	Water	537 DW	158445
410-50447-2	GAC MIDFLUENT	Total/NA	Water	537 DW	158445
410-50447-3	GAC EFFLUENT	Total/NA	Water	537 DW	158445
410-50447-5	LTB01-210805	Total/NA	Water	537 DW	158445
MB 410-158445/1-A	Method Blank	Total/NA	Water	537 DW	158445
LCSD 410-158445/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	158445

Prep Batch: 159067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50447-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	
410-50447-2	GAC MIDFLUENT	Total/NA	Water	537 (Mod)	
410-50447-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	
410-50447-4	FTB01-210805	Total/NA	Water	537 (Mod)	
410-50447-5	LTB01-210805	Total/NA	Water	537 (Mod)	
MB 410-159067/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-159067/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Analysis Batch: 159490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50447-1 - DL	GAC INFLUENT	Total/NA	Water	537 DW	158445
LCS 410-158445/2-A	Lab Control Sample	Total/NA	Water	537 DW	158445

Analysis Batch: 159910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50447-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	159067
410-50447-2	GAC MIDFLUENT	Total/NA	Water	537 (Mod)	159067
410-50447-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	159067
410-50447-4	FTB01-210805	Total/NA	Water	537 (Mod)	159067
410-50447-5	LTB01-210805	Total/NA	Water	537 (Mod)	159067
MB 410-159067/1-A	Method Blank	Total/NA	Water	537 (Mod)	159067
LCS 410-159067/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	159067

Prep Batch: 160126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50447-4	FTB01-210805	Total/NA	Water	537 DW	
MB 410-160126/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-160126/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-160126/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

QC Association Summary

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

Job ID: 410-50447-1

LCMS

Analysis Batch: 161064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-50447-4	FTB01-210805	Total/NA	Water	537 DW	160126
MB 410-160126/1-A	Method Blank	Total/NA	Water	537 DW	160126
LCS 410-160126/2-A	Lab Control Sample	Total/NA	Water	537 DW	160126
LCSD 410-160126/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	160126

Lab Chronicle

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

Job ID: 410-50447-1

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-50447-1

Date Collected: 08/05/21 09:25
Matrix: Water
Date Received: 08/07/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			159067	08/11/21 09:26	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	159910	08/13/21 00:48	ZG8V	ELLE
Total/NA	Prep	537 DW			158445	08/10/21 05:03	GK2L	ELLE
Total/NA	Analysis	537 DW		1	158906	08/11/21 15:14	VK3G	ELLE
Total/NA	Prep	537 DW	DL		158445	08/10/21 05:03	GK2L	ELLE
Total/NA	Analysis	537 DW	DL	10	159490	08/12/21 16:29	VK3G	ELLE

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-50447-2

Date Collected: 08/05/21 09:35
Matrix: Water
Date Received: 08/07/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			159067	08/11/21 09:26	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	159910	08/13/21 00:59	ZG8V	ELLE
Total/NA	Prep	537 DW			158445	08/10/21 05:03	GK2L	ELLE
Total/NA	Analysis	537 DW		1	158906	08/11/21 18:25	VK3G	ELLE

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-50447-3

Date Collected: 08/05/21 09:40
Matrix: Water
Date Received: 08/07/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			159067	08/11/21 09:26	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	159910	08/13/21 01:10	ZG8V	ELLE
Total/NA	Prep	537 DW			158445	08/10/21 05:03	GK2L	ELLE
Total/NA	Analysis	537 DW		1	158906	08/11/21 18:37	VK3G	ELLE

Client Sample ID: FTB01-210805

Lab Sample ID: 410-50447-4

Date Collected: 08/05/21 09:45
Matrix: Water
Date Received: 08/07/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			159067	08/11/21 09:26	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	159910	08/13/21 01:21	ZG8V	ELLE
Total/NA	Prep	537 DW			160126	08/13/21 08:55	RDL8	ELLE
Total/NA	Analysis	537 DW		1	161064	08/17/21 07:57	VK3G	ELLE

Client Sample ID: LTB01-210805

Lab Sample ID: 410-50447-5

Date Collected: 08/05/21 00:00
Matrix: Water
Date Received: 08/07/21 10:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			159067	08/11/21 09:26	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	159910	08/13/21 01:32	ZG8V	ELLE
Total/NA	Prep	537 DW			158445	08/10/21 05:03	GK2L	ELLE
Total/NA	Analysis	537 DW		1	158906	08/11/21 19:00	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-50447-1

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: 410-50447-1

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: 410-50447-1

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: 410-50447-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-50447-1	GAC INFLUENT	Water	08/05/21 09:25	08/07/21 10:22
410-50447-2	GAC MIDFLUENT	Water	08/05/21 09:35	08/07/21 10:22
410-50447-3	GAC EFFLUENT	Water	08/05/21 09:40	08/07/21 10:22
410-50447-4	FTB01-210805	Water	08/05/21 09:45	08/07/21 10:22
410-50447-5	LTB01-210805	Water	08/05/21 00:00	08/07/21 10:22

410-50447 Chain of Custody

Chain of Custody Record

eurofins Environment Testing America

	Sampler: C. Olmsby	Lab PM: Coplan, Dorothy	Carrier Tracking No(s):	COC No: 410-13086-232 2
Jonathan Dippert, Kirk Moline	Phone:	E-Mail: Dorothy Coplan@eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: CT Male Associates DPC	PWSID:			Job #:

Address: 50 Century Hill Dr	Due Date 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, K.Moline@Ctmale.com	WO #:	
Project Name: Hoosick Falls WTP	Project #: 41000511	
Site: SGAP McCaffrey	SSOW#:	

Analysis Requested

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)	PFC_IDA - (MOD) 7 PFAS Compounds	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	N	Z		
GAC INFLUENT	8/5/21	0925	G	Water		X	X	8	PFAS Batch QC Column
GAC MIDFLUENT		0935	G	Water		X	X		
GAC EFFLUENT		0940	G	Water		X	X	4	
FTB01-210805		0945	G	Reagent Water		X	X	4	
LTB01-210805		—		Reagent Water		X	X	4	

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:

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: 8/5/21 1430	Company: CT Male	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 8/7/21 1022	Company: ENE

Custody Seals Intact: X Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-50447-1

Login Number: 50447

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Lugardo, Tamara

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.	N/A	