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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: 410-62315-1
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:
12/1/2021 7:17:47 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
12/1/2021 7:17:47 AM

Table of Contents

Definitions/Glossary

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

Job ID: 410-62315-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
S1-	Surrogate recovery exceeds control limits, low biased.
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: 410-62315-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-62315-1

Receipt
The samples were received on 11/5/2021 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 0.7°C

PFAS
Method PFC_IDA: The labeled isotope recovery is outside of the QC acceptance limits in the method blank and Laboratory Control Spikes associated with the following sample: GAC-EFFLUENT (410-62315-3), PV-1_25 (410-62315-4), PV-1_50 (410-62315-5), PV-1_75 (410-62315-6), FTB01-211104 (410-62315-7) and LTB01-211104 (410-62315-8). Since the recoveries are biased high, no associated target analytes are detected in the method blank, and all associated target analytes are within the QC limits in the Laboratory Control Spike(s), the data is reported.

Method PFC_IDA: Results in influent sample GAC-INFLUENT (410-62315-1) are higher than the associated midfluent. The following action was taken: This sample(s) was re-extracted outside the required holding time and the results confirm.

Method PFC_IDA: Results in midfluent sample GAC-MIDFLUENT (410-62315-2) are lower than the associated influent The following action was taken: This sample was re-extracted outside the required holding time and the results confirm.

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: 410-62315-1

Client Sample ID: GAC-INFLUENT — Lab Sample ID: 410-62315-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.9		4.6		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	6.2		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	13		1.8		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	13		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	2.9		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	350		18		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC-MIDFLUENT — Lab Sample ID: 410-62315-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	5.6		4.4		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: GAC-EFFLUENT — Lab Sample ID: 410-62315-3

No Detections.

Client Sample ID: PV-1_25 — Lab Sample ID: 410-62315-4

No Detections.

Client Sample ID: PV-1_50 — Lab Sample ID: 410-62315-5

No Detections.

Client Sample ID: PV-1_75 — Lab Sample ID: 410-62315-6

No Detections.

Client Sample ID: FTB01-211104 — Lab Sample ID: 410-62315-7

No Detections.

Client Sample ID: LTB01-211104 — Lab Sample ID: 410-62315-8

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-62315-1

Client Sample ID: GAC-INFLUENT

Date Collected: 11/04/21 09:40
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-1

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	4.6	U	4.6		ng/L		11/13/21 00:49	11/17/21 20:05	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		11/13/21 00:49	11/17/21 20:05	1
Perfluorobutanoic acid	**4.9**		4.6		ng/L		11/13/21 00:49	11/17/21 20:05	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:05	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:05	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:05	1
Perfluoropentanoic acid	**6.2**		1.8		ng/L		11/13/21 00:49	11/17/21 20:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*115*		*29 - 189*	*11/13/21 00:49*	*11/17/21 20:05*	*1*
M2-8:2 FTS	*140*		*34 - 182*	*11/13/21 00:49*	*11/17/21 20:05*	*1*
13C4 PFBA	*125*		*41 - 132*	*11/13/21 00:49*	*11/17/21 20:05*	*1*
13C5 PFPeA	*118*		*33 - 155*	*11/13/21 00:49*	*11/17/21 20:05*	*1*
13C8 PFOS	*126*		*49 - 126*	*11/13/21 00:49*	*11/17/21 20:05*	*1*
13C8 FOSA	*124*		*10 - 143*	*11/13/21 00:49*	*11/17/21 20:05*	*1*
13C3 PFHxS	*134*		*32 - 145*	*11/13/21 00:49*	*11/17/21 20:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**13**		1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluoroheptanoic acid	**13**		1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorooctanesulfonic acid	**2.9**		1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
NEtFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
NMeFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*86*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:29*	*1*
13C2 PFDA	*95*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:29*	*1*
13C2 PFHxA	*95*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**350**		18		ng/L		11/08/21 07:30	11/16/21 14:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*67*	*S1-*	*70 - 130*	*11/08/21 07:30*	*11/16/21 14:29*	*10*
13C2 PFDA	*64*	*S1-*	*70 - 130*	*11/08/21 07:30*	*11/16/21 14:29*	*10*
13C2 PFHxA	*70*		*70 - 130*	*11/08/21 07:30*	*11/16/21 14:29*	*10*

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

Job ID: 410-62315-1

Client Sample ID: GAC-MIDFLUENT
Date Collected: 11/04/21 09:45
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-2
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		11/13/21 00:49	11/17/21 20:16	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		11/13/21 00:49	11/17/21 20:16	1
Perfluorobutanoic acid	**5.6**		4.4		ng/L		11/13/21 00:49	11/17/21 20:16	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		11/13/21 00:49	11/17/21 20:16	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		11/13/21 00:49	11/17/21 20:16	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		11/13/21 00:49	11/17/21 20:16	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		11/13/21 00:49	11/17/21 20:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*119*		*29 - 189*	*11/13/21 00:49*	*11/17/21 20:16*	*1*
M2-8:2 FTS	*139*		*34 - 182*	*11/13/21 00:49*	*11/17/21 20:16*	*1*
13C4 PFBA	*119*		*41 - 132*	*11/13/21 00:49*	*11/17/21 20:16*	*1*
13C5 PFPeA	*111*		*33 - 155*	*11/13/21 00:49*	*11/17/21 20:16*	*1*
13C8 PFOS	*121*		*49 - 126*	*11/13/21 00:49*	*11/17/21 20:16*	*1*
13C8 FOSA	*115*		*10 - 143*	*11/13/21 00:49*	*11/17/21 20:16*	*1*
13C3 PFHxS	*116*		*32 - 145*	*11/13/21 00:49*	*11/17/21 20:16*	*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		11/08/21 07:30	11/10/21 20:40	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
NEtFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
NMeFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*95*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:40*	*1*
13C2 PFDA	*94*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:40*	*1*
13C2 PFHxA	*96*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:40*	*1*

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

Job ID: 410-62315-1

Client Sample ID: GAC-EFFLUENT
Date Collected: 11/04/21 09:50
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-3
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		11/13/21 00:49	11/17/21 20:38	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		11/13/21 00:49	11/17/21 20:38	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		11/13/21 00:49	11/17/21 20:38	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:38	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:38	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:38	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*117*		*29 - 189*	*11/13/21 00:49*	*11/17/21 20:38*	*1*
M2-8:2 FTS	*133*		*34 - 182*	*11/13/21 00:49*	*11/17/21 20:38*	*1*
13C4 PFBA	*119*		*41 - 132*	*11/13/21 00:49*	*11/17/21 20:38*	*1*
13C5 PFPeA	*114*		*33 - 155*	*11/13/21 00:49*	*11/17/21 20:38*	*1*
13C8 PFOS	*119*		*49 - 126*	*11/13/21 00:49*	*11/17/21 20:38*	*1*
13C8 FOSA	*112*		*10 - 143*	*11/13/21 00:49*	*11/17/21 20:38*	*1*
13C3 PFHxS	*111*		*32 - 145*	*11/13/21 00:49*	*11/17/21 20:38*	*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		11/08/21 07:30	11/10/21 20:52	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
NEtFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
NMeFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*101*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:52*	*1*
13C2 PFDA	*103*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:52*	*1*
13C2 PFHxA	*104*		*70 - 130*	*11/08/21 07:30*	*11/10/21 20:52*	*1*

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

Job ID: 410-62315-1

Client Sample ID: PV-1_25
Date Collected: 11/04/21 09:55
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.5	U	4.5		ng/L		11/13/21 00:49	11/17/21 20:50	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		11/13/21 00:49	11/17/21 20:50	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		11/13/21 00:49	11/17/21 20:50	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:50	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:50	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:50	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 20:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*133*		*29 - 189*	*11/13/21 00:49*	*11/17/21 20:50*	*1*
M2-8:2 FTS	*143*		*34 - 182*	*11/13/21 00:49*	*11/17/21 20:50*	*1*
13C4 PFBA	*130*		*41 - 132*	*11/13/21 00:49*	*11/17/21 20:50*	*1*
13C5 PFPeA	*122*		*33 - 155*	*11/13/21 00:49*	*11/17/21 20:50*	*1*
13C8 PFOS	*125*		*49 - 126*	*11/13/21 00:49*	*11/17/21 20:50*	*1*
13C8 FOSA	*118*		*10 - 143*	*11/13/21 00:49*	*11/17/21 20:50*	*1*
13C3 PFHxS	*127*		*32 - 145*	*11/13/21 00:49*	*11/17/21 20:50*	*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		11/08/21 07:30	11/10/21 21:03	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
NEtFOSAA	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
NMeFOSAA	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*98*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:03*	*1*
13C2 PFDA	*104*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:03*	*1*
13C2 PFHxA	*101*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:03*	*1*

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

Job ID: 410-62315-1

Client Sample ID: PV-1_50
Date Collected: 11/04/21 10:00
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-5
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	4.5	U	4.5		ng/L		11/13/21 00:49	11/17/21 21:01	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		11/13/21 00:49	11/17/21 21:01	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		11/13/21 00:49	11/17/21 21:01	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:01	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:01	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:01	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*125*		*29 - 189*	*11/13/21 00:49*	*11/17/21 21:01*	*1*
M2-8:2 FTS	*118*		*34 - 182*	*11/13/21 00:49*	*11/17/21 21:01*	*1*
13C4 PFBA	*121*		*41 - 132*	*11/13/21 00:49*	*11/17/21 21:01*	*1*
13C5 PFPeA	*111*		*33 - 155*	*11/13/21 00:49*	*11/17/21 21:01*	*1*
13C8 PFOS	*109*		*49 - 126*	*11/13/21 00:49*	*11/17/21 21:01*	*1*
13C8 FOSA	*103*		*10 - 143*	*11/13/21 00:49*	*11/17/21 21:01*	*1*
13C3 PFHxS	*122*		*32 - 145*	*11/13/21 00:49*	*11/17/21 21:01*	*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		11/08/21 07:30	11/10/21 21:15	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
NEtFOSAA	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
NMeFOSAA	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		11/08/21 07:30	11/10/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*99*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:15*	*1*
13C2 PFDA	*100*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:15*	*1*
13C2 PFHxA	*101*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:15*	*1*

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

Job ID: 410-62315-1

Client Sample ID: PV-1_75
Date Collected: 11/04/21 10:05
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-6
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	4.7	U	4.7		ng/L		11/13/21 00:49	11/17/21 21:12	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		11/13/21 00:49	11/17/21 21:12	1
Perfluorobutanoic acid	4.7	U	4.7		ng/L		11/13/21 00:49	11/17/21 21:12	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:12	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:12	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:12	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*118*		*29 - 189*	*11/13/21 00:49*	*11/17/21 21:12*	*1*
M2-8:2 FTS	*124*		*34 - 182*	*11/13/21 00:49*	*11/17/21 21:12*	*1*
13C4 PFBA	*124*		*41 - 132*	*11/13/21 00:49*	*11/17/21 21:12*	*1*
13C5 PFPeA	*112*		*33 - 155*	*11/13/21 00:49*	*11/17/21 21:12*	*1*
13C8 PFOS	*104*		*49 - 126*	*11/13/21 00:49*	*11/17/21 21:12*	*1*
13C8 FOSA	*96*		*10 - 143*	*11/13/21 00:49*	*11/17/21 21:12*	*1*
13C3 PFHxS	*125*		*32 - 145*	*11/13/21 00:49*	*11/17/21 21:12*	*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		11/08/21 07:30	11/10/21 21:27	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
NEtFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
NMeFOSAA	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		11/08/21 07:30	11/10/21 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:27*	*1*
13C2 PFDA	*90*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:27*	*1*
13C2 PFHxA	*95*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:27*	*1*

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

Job ID: 410-62315-1

Client Sample ID: FTB01-211104
Date Collected: 11/04/21 10:10
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-7
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	4.4	U	4.4		ng/L		11/13/21 00:49	11/17/21 21:23	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		11/13/21 00:49	11/17/21 21:23	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		11/13/21 00:49	11/17/21 21:23	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:23	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:23	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:23	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		11/13/21 00:49	11/17/21 21:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*129*		*29 - 189*	*11/13/21 00:49*	*11/17/21 21:23*	*1*
M2-8:2 FTS	*145*		*34 - 182*	*11/13/21 00:49*	*11/17/21 21:23*	*1*
13C4 PFBA	*121*		*41 - 132*	*11/13/21 00:49*	*11/17/21 21:23*	*1*
13C5 PFPeA	*120*		*33 - 155*	*11/13/21 00:49*	*11/17/21 21:23*	*1*
13C8 PFOS	*126*		*49 - 126*	*11/13/21 00:49*	*11/17/21 21:23*	*1*
13C8 FOSA	*113*		*10 - 143*	*11/13/21 00:49*	*11/17/21 21:23*	*1*
13C3 PFHxS	*112*		*32 - 145*	*11/13/21 00:49*	*11/17/21 21:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
NEtFOSAA	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
NMeFOSAA	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*11/17/21 17:37*	*11/22/21 12:01*	*1*
13C2 PFDA	*88*		*70 - 130*	*11/17/21 17:37*	*11/22/21 12:01*	*1*
13C2 PFHxA	*92*		*70 - 130*	*11/17/21 17:37*	*11/22/21 12:01*	*1*

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

Job ID: 410-62315-1

Client Sample ID: LTB01-211104
Date Collected: 11/04/21 00:00
Date Received: 11/05/21 11:04

Lab Sample ID: 410-62315-8
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	4.7	U	4.7		ng/L		11/13/21 00:49	11/17/21 21:34	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		11/13/21 00:49	11/17/21 21:34	1
Perfluorobutanoic acid	4.7	U	4.7		ng/L		11/13/21 00:49	11/17/21 21:34	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:34	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:34	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:34	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		11/13/21 00:49	11/17/21 21:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*116*		*29 - 189*	*11/13/21 00:49*	*11/17/21 21:34*	*1*
M2-8:2 FTS	*131*		*34 - 182*	*11/13/21 00:49*	*11/17/21 21:34*	*1*
13C4 PFBA	*113*		*41 - 132*	*11/13/21 00:49*	*11/17/21 21:34*	*1*
13C5 PFPeA	*109*		*33 - 155*	*11/13/21 00:49*	*11/17/21 21:34*	*1*
13C8 PFOS	*119*		*49 - 126*	*11/13/21 00:49*	*11/17/21 21:34*	*1*
13C8 FOSA	*110*		*10 - 143*	*11/13/21 00:49*	*11/17/21 21:34*	*1*
13C3 PFHxS	*113*		*32 - 145*	*11/13/21 00:49*	*11/17/21 21:34*	*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		11/08/21 07:30	11/10/21 21:50	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
NEtFOSAA	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
NMeFOSAA	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		11/08/21 07:30	11/10/21 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:50*	*1*
13C2 PFDA	*97*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:50*	*1*
13C2 PFHxA	*99*		*70 - 130*	*11/08/21 07:30*	*11/10/21 21:50*	*1*

Surrogate Summary

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

Job ID: 410-62315-1

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)
410-62315-1	GAC-INFLUENT	86	95	95
410-62315-1 - DL	GAC-INFLUENT	67 S1-	64 S1-	70
410-62315-2	GAC-MIDFLUENT	95	94	96
410-62315-3	GAC-EFFLUENT	101	103	104
410-62315-4	PV-1_25	98	104	101
410-62315-5	PV-1_50	99	100	101
410-62315-6	PV-1_75	91	90	95
410-62315-7	FTB01-211104	90	88	92
410-62315-8	LTB01-211104	97	97	99
LCS 410-191864/2-A	Lab Control Sample	85	84	89
LCS 410-196069/2-A	Lab Control Sample	80	79	93
LCSD 410-191864/3-A	Lab Control Sample Dup	97	95	98
LCSD 410-196069/3-A	Lab Control Sample Dup	85	86	92
MB 410-191864/1-A	Method Blank	90	87	93
MB 410-196069/1-A	Method Blank	84	83	90

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: 410-62315-1

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)
410-62315-1	GAC-INFLUENT	115	140	125	118	126	124	134
410-62315-2	GAC-MIDFLUENT	119	139	119	111	121	115	116
410-62315-3	GAC-EFFLUENT	117	133	119	114	119	112	111
410-62315-4	PV-1_25	133	143	130	122	125	118	127
410-62315-5	PV-1_50	125	118	121	111	109	103	122
410-62315-6	PV-1_75	118	124	124	112	104	96	125
410-62315-7	FTB01-211104	129	145	121	120	126	113	112
410-62315-8	LTB01-211104	116	131	113	109	119	110	113
LCS 410-194408/2-A	Lab Control Sample	136	160	138 *5+	142	141 *5+	127	129
LCSD 410-194408/3-A	Lab Control Sample Dup	117	143	122	118	129 *5+	106	115
MB 410-194408/1-A	Method Blank	136	162	136 *5+	134	142 *5+	115	128

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 410-194408/1-A
Matrix: Water
Analysis Batch: 195931

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 194408

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		11/13/21 00:49	11/17/21 18:14	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		11/13/21 00:49	11/17/21 18:14	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		11/13/21 00:49	11/17/21 18:14	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		11/13/21 00:49	11/17/21 18:14	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		11/13/21 00:49	11/17/21 18:14	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		11/13/21 00:49	11/17/21 18:14	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		11/13/21 00:49	11/17/21 18:14	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*136*		*29 - 189*	*11/13/21 00:49*	*11/17/21 18:14*	*1*
M2-8:2 FTS	*162*		*34 - 182*	*11/13/21 00:49*	*11/17/21 18:14*	*1*
13C4 PFBA	*136*	**5+*	*41 - 132*	*11/13/21 00:49*	*11/17/21 18:14*	*1*
13C5 PFPeA	*134*		*33 - 155*	*11/13/21 00:49*	*11/17/21 18:14*	*1*
13C8 PFOS	*142*	**5+*	*49 - 126*	*11/13/21 00:49*	*11/17/21 18:14*	*1*
13C8 FOSA	*115*		*10 - 143*	*11/13/21 00:49*	*11/17/21 18:14*	*1*
13C3 PFHxS	*128*		*32 - 145*	*11/13/21 00:49*	*11/17/21 18:14*	*1*

Lab Sample ID: LCS 410-194408/2-A
Matrix: Water
Analysis Batch: 195931

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 194408

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	23.4		ng/L		96	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	21.6		ng/L		88	56 - 140		
Perfluorobutanoic acid			25.6	23.5		ng/L		92	62 - 156		
Perfluorodecanesulfonic acid			24.7	19.7		ng/L		80	61 - 134		
Perfluoroheptanesulfonic acid			24.4	24.3		ng/L		100	67 - 135		
Perfluorooctanesulfonamide			25.6	23.8		ng/L		93	55 - 130		
Perfluoropentanoic acid			25.6	22.3		ng/L		87	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*136*		*29 - 189*
M2-8:2 FTS	*160*		*34 - 182*
13C4 PFBA	*138*	**5+*	*41 - 132*
13C5 PFPeA	*142*		*33 - 155*
13C8 PFOS	*141*	**5+*	*49 - 126*
13C8 FOSA	*127*		*10 - 143*
13C3 PFHxS	*129*		*32 - 145*

Lab Sample ID: LCSD 410-194408/3-A
Matrix: Water
Analysis Batch: 195931

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194408

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	22.2		ng/L		92	57 - 137	5	30
8:2 Fluorotelomer sulfonic acid			24.5	19.8		ng/L		81	56 - 140	9	30
Perfluorobutanoic acid			25.6	23.6		ng/L		92	62 - 156	1	30
Perfluorodecanesulfonic acid			24.7	20.7		ng/L		84	61 - 134	5	30
Perfluoroheptanesulfonic acid			24.4	24.3		ng/L		100	67 - 135	0	30

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

Lab Sample ID: LCSD 410-194408/3-A
Matrix: Water
Analysis Batch: 195931

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 194408

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonamide			25.6	24.7		ng/L		96	55 - 130	4	30
Perfluoropentanoic acid			25.6	21.9		ng/L		86	72 - 139	2	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-6:2 FTS	*117*		*29 - 189*
M2-8:2 FTS	*143*		*34 - 182*
13C4 PFBA	*122*		*41 - 132*
13C5 PFPeA	*118*		*33 - 155*
13C8 PFOS	*129*	*5+	*49 - 126*
13C8 FOSA	*106*		*10 - 143*
13C3 PFHxS	*115*		*32 - 145*

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

Lab Sample ID: MB 410-191864/1-A
Matrix: Water
Analysis Batch: 193116

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191864

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
NEtFOSAA	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
NMeFOSAA	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		11/08/21 07:30	11/10/21 19:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*11/08/21 07:30*	*11/10/21 19:42*	*1*
13C2 PFDA	*87*		*70 - 130*	*11/08/21 07:30*	*11/10/21 19:42*	*1*
13C2 PFHxA	*93*		*70 - 130*	*11/08/21 07:30*	*11/10/21 19:42*	*1*

Lab Sample ID: LCS 410-191864/2-A
Matrix: Water
Analysis Batch: 193116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191864

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	18.4		ng/L		90	70 - 130		
Perfluoroheptanoic acid			20.5	18.6		ng/L		91	70 - 130		
Perfluorooctanoic acid			20.5	18.2		ng/L		89	70 - 130		
Perfluorononanoic acid			20.5	17.7		ng/L		86	70 - 130		
Perfluorodecanoic acid			20.5	17.5		ng/L		85	70 - 130		

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

Lab Sample ID: LCS 410-191864/2-A
Matrix: Water
Analysis Batch: 193116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191864

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorotridecanoic acid			20.5	17.3		ng/L		84	70 - 130		
Perfluorotetradecanoic acid			20.5	17.6		ng/L		86	70 - 130		
Perfluorobutanesulfonic acid			18.1	15.8		ng/L		87	70 - 130		
Perfluorohexanesulfonic acid			18.7	16.2		ng/L		87	70 - 130		
Perfluorooctanesulfonic acid			19.0	15.7		ng/L		83	70 - 130		
NEtFOSAA			20.5	17.4		ng/L		85	70 - 130		
NMeFOSAA			20.5	16.5		ng/L		81	70 - 130		
Perfluoroundecanoic acid			20.5	17.6		ng/L		86	70 - 130		
Perfluorododecanoic acid			20.5	17.4		ng/L		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*85*		*70 - 130*
13C2 PFDA	*84*		*70 - 130*
13C2 PFHxA	*89*		*70 - 130*

Lab Sample ID: LCSD 410-191864/3-A
Matrix: Water
Analysis Batch: 193116

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191864

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	20.6		ng/L		101	70 - 130	12	30
Perfluoroheptanoic acid			20.5	21.2		ng/L		103	70 - 130	13	30
Perfluorooctanoic acid			20.5	20.9		ng/L		102	70 - 130	14	30
Perfluorononanoic acid			20.5	20.3		ng/L		99	70 - 130	14	30
Perfluorodecanoic acid			20.5	20.3		ng/L		99	70 - 130	15	30
Perfluorotridecanoic acid			20.5	19.9		ng/L		97	70 - 130	14	30
Perfluorotetradecanoic acid			20.5	19.5		ng/L		95	70 - 130	10	30
Perfluorobutanesulfonic acid			18.1	18.5		ng/L		102	70 - 130	16	30
Perfluorohexanesulfonic acid			18.7	18.7		ng/L		100	70 - 130	14	30
Perfluorooctanesulfonic acid			19.0	18.4		ng/L		97	70 - 130	16	30
NEtFOSAA			20.5	20.4		ng/L		100	70 - 130	16	30
NMeFOSAA			20.5	19.5		ng/L		95	70 - 130	17	30
Perfluoroundecanoic acid			20.5	20.0		ng/L		98	70 - 130	13	30
Perfluorododecanoic acid			20.5	20.1		ng/L		98	70 - 130	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*97*		*70 - 130*
13C2 PFDA	*95*		*70 - 130*
13C2 PFHxA	*98*		*70 - 130*

Lab Sample ID: MB 410-196069/1-A
Matrix: Water
Analysis Batch: 197284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196069

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1

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

Lab Sample ID: MB 410-196069/1-A
Matrix: Water
Analysis Batch: 197284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 196069

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
NEtFOSAA	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
NMeFOSAA	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		11/17/21 17:37	11/22/21 11:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*84*		*70 - 130*	*11/17/21 17:37*	*11/22/21 11:15*	*1*
13C2 PFDA	*83*		*70 - 130*	*11/17/21 17:37*	*11/22/21 11:15*	*1*
13C2 PFHxA	*90*		*70 - 130*	*11/17/21 17:37*	*11/22/21 11:15*	*1*

Lab Sample ID: LCS 410-196069/2-A
Matrix: Water
Analysis Batch: 197284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 196069

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	21.0		ng/L		102	70 - 130		
Perfluoroheptanoic acid			20.5	20.8		ng/L		102	70 - 130		
Perfluorooctanoic acid			20.5	20.6		ng/L		101	70 - 130		
Perfluorononanoic acid			20.5	18.9		ng/L		92	70 - 130		
Perfluorodecanoic acid			20.5	18.6		ng/L		91	70 - 130		
Perfluorotridecanoic acid			20.5	18.2		ng/L		89	70 - 130		
Perfluorotetradecanoic acid			20.5	18.7		ng/L		91	70 - 130		
Perfluorobutanesulfonic acid			18.1	18.3		ng/L		101	70 - 130		
Perfluorohexanesulfonic acid			18.7	18.6		ng/L		99	70 - 130		
Perfluorooctanesulfonic acid			19.0	16.7		ng/L		88	70 - 130		
NEtFOSAA			20.5	18.5		ng/L		91	70 - 130		
NMeFOSAA			20.5	17.4		ng/L		85	70 - 130		
Perfluoroundecanoic acid			20.5	18.7		ng/L		92	70 - 130		
Perfluorododecanoic acid			20.5	18.5		ng/L		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*80*		*70 - 130*
13C2 PFDA	*79*		*70 - 130*
13C2 PFHxA	*93*		*70 - 130*

Lab Sample ID: LCSD 410-196069/3-A
Matrix: Water
Analysis Batch: 197284

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196069

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	20.6		ng/L		101	70 - 130	2	30

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

Lab Sample ID: LCSD 410-196069/3-A
Matrix: Water
Analysis Batch: 197284

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 196069

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroheptanoic acid			20.5	21.1		ng/L		103	70 - 130	1	30
Perfluorooctanoic acid			20.5	21.0		ng/L		103	70 - 130	2	30
Perfluorononanoic acid			20.5	19.8		ng/L		97	70 - 130	5	30
Perfluorodecanoic acid			20.5	20.1		ng/L		98	70 - 130	8	30
Perfluorotridecanoic acid			20.5	19.6		ng/L		96	70 - 130	7	30
Perfluorotetradecanoic acid			20.5	19.7		ng/L		96	70 - 130	5	30
Perfluorobutanesulfonic acid			18.1	17.9		ng/L		99	70 - 130	2	30
Perfluorohexanesulfonic acid			18.7	18.6		ng/L		100	70 - 130	0	30
Perfluorooctanesulfonic acid			19.0	17.8		ng/L		94	70 - 130	7	30
NEtFOSAA			20.5	19.6		ng/L		96	70 - 130	5	30
NMeFOSAA			20.5	18.6		ng/L		91	70 - 130	7	30
Perfluoroundecanoic acid			20.5	20.0		ng/L		98	70 - 130	7	30
Perfluorododecanoic acid			20.5	19.6		ng/L		96	70 - 130	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*85*		*70 - 130*
13C2 PFDA	*86*		*70 - 130*
13C2 PFHxA	*92*		*70 - 130*

LCMS

Prep Batch: 191864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-1 - DL	GAC-INFLUENT	Total/NA	Water	537 DW	
410-62315-1	GAC-INFLUENT	Total/NA	Water	537 DW	
410-62315-2	GAC-MIDFLUENT	Total/NA	Water	537 DW	
410-62315-3	GAC-EFFLUENT	Total/NA	Water	537 DW	
410-62315-4	PV-1_25	Total/NA	Water	537 DW	
410-62315-5	PV-1_50	Total/NA	Water	537 DW	
410-62315-6	PV-1_75	Total/NA	Water	537 DW	
410-62315-8	LTB01-211104	Total/NA	Water	537 DW	
MB 410-191864/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-191864/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-191864/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 193116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-1	GAC-INFLUENT	Total/NA	Water	537 DW	191864
410-62315-2	GAC-MIDFLUENT	Total/NA	Water	537 DW	191864
410-62315-3	GAC-EFFLUENT	Total/NA	Water	537 DW	191864
410-62315-4	PV-1_25	Total/NA	Water	537 DW	191864
410-62315-5	PV-1_50	Total/NA	Water	537 DW	191864
410-62315-6	PV-1_75	Total/NA	Water	537 DW	191864
410-62315-8	LTB01-211104	Total/NA	Water	537 DW	191864
MB 410-191864/1-A	Method Blank	Total/NA	Water	537 DW	191864
LCS 410-191864/2-A	Lab Control Sample	Total/NA	Water	537 DW	191864
LCSD 410-191864/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	191864

Prep Batch: 194408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-1	GAC-INFLUENT	Total/NA	Water	537 (Mod)	
410-62315-2	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	
410-62315-3	GAC-EFFLUENT	Total/NA	Water	537 (Mod)	
410-62315-4	PV-1_25	Total/NA	Water	537 (Mod)	
410-62315-5	PV-1_50	Total/NA	Water	537 (Mod)	
410-62315-6	PV-1_75	Total/NA	Water	537 (Mod)	
410-62315-7	FTB01-211104	Total/NA	Water	537 (Mod)	
410-62315-8	LTB01-211104	Total/NA	Water	537 (Mod)	
MB 410-194408/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-194408/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
LCSD 410-194408/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	

Analysis Batch: 195333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-1 - DL	GAC-INFLUENT	Total/NA	Water	537 DW	191864

Analysis Batch: 195931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-1	GAC-INFLUENT	Total/NA	Water	537 (Mod)	194408
410-62315-2	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	194408
410-62315-3	GAC-EFFLUENT	Total/NA	Water	537 (Mod)	194408
410-62315-4	PV-1_25	Total/NA	Water	537 (Mod)	194408
410-62315-5	PV-1_50	Total/NA	Water	537 (Mod)	194408
410-62315-6	PV-1_75	Total/NA	Water	537 (Mod)	194408

LCMS (Continued)

Analysis Batch: 195931 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-7	FTB01-211104	Total/NA	Water	537 (Mod)	194408
410-62315-8	LTB01-211104	Total/NA	Water	537 (Mod)	194408
MB 410-194408/1-A	Method Blank	Total/NA	Water	537 (Mod)	194408
LCS 410-194408/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	194408
LCSD 410-194408/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	194408

Prep Batch: 196069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-7	FTB01-211104	Total/NA	Water	537 DW	
MB 410-196069/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-196069/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-196069/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 197284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-7	FTB01-211104	Total/NA	Water	537 DW	196069
MB 410-196069/1-A	Method Blank	Total/NA	Water	537 DW	196069
LCS 410-196069/2-A	Lab Control Sample	Total/NA	Water	537 DW	196069
LCSD 410-196069/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	196069

Prep Batch: 199304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-1 - RE	GAC-INFLUENT	Total/NA	Water	537 (Mod)	
410-62315-2 - RE	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	
MB 410-199304/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-199304/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Analysis Batch: 199576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-62315-1 - RE	GAC-INFLUENT	Total/NA	Water	537 (Mod)	199304
410-62315-2 - RE	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	199304
MB 410-199304/1-A	Method Blank	Total/NA	Water	537 (Mod)	199304
LCS 410-199304/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	199304

Lab Chronicle

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

Job ID: 410-62315-1

Client Sample ID: GAC-INFLUENT

Lab Sample ID: 410-62315-1

Date Collected: 11/04/21 09:40

Matrix: Water

Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)	RE		199304	11/29/21 16:02	QLP7	ELLE
Total/NA	Analysis	537 (Mod)	RE	1	199576	11/30/21 14:23	ZG8V	ELLE
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 20:05	PY4D	ELLE
Total/NA	Prep	537 DW			191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW		1	193116	11/10/21 20:29	VK3G	ELLE
Total/NA	Prep	537 DW	DL		191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW	DL	10	195333	11/16/21 14:29	VK3G	ELLE

Client Sample ID: GAC-MIDFLUENT

Lab Sample ID: 410-62315-2

Date Collected: 11/04/21 09:45

Matrix: Water

Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)	RE		199304	11/29/21 16:02	QLP7	ELLE
Total/NA	Analysis	537 (Mod)	RE	1	199576	11/30/21 14:34	ZG8V	ELLE
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 20:16	PY4D	ELLE
Total/NA	Prep	537 DW			191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW		1	193116	11/10/21 20:40	VK3G	ELLE

Client Sample ID: GAC-EFFLUENT

Lab Sample ID: 410-62315-3

Date Collected: 11/04/21 09:50

Matrix: Water

Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 20:38	PY4D	ELLE
Total/NA	Prep	537 DW			191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW		1	193116	11/10/21 20:52	VK3G	ELLE

Client Sample ID: PV-1_25

Lab Sample ID: 410-62315-4

Date Collected: 11/04/21 09:55

Matrix: Water

Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 20:50	PY4D	ELLE
Total/NA	Prep	537 DW			191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW		1	193116	11/10/21 21:03	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-62315-1

Client Sample ID: PV-1_50

Lab Sample ID: 410-62315-5

Date Collected: 11/04/21 10:00
Matrix: Water
Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 21:01	PY4D	ELLE
Total/NA	Prep	537 DW			191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW		1	193116	11/10/21 21:15	VK3G	ELLE

Client Sample ID: PV-1_75

Lab Sample ID: 410-62315-6

Date Collected: 11/04/21 10:05
Matrix: Water
Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 21:12	PY4D	ELLE
Total/NA	Prep	537 DW			191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW		1	193116	11/10/21 21:27	VK3G	ELLE

Client Sample ID: FTB01-211104

Lab Sample ID: 410-62315-7

Date Collected: 11/04/21 10:10
Matrix: Water
Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 21:23	PY4D	ELLE
Total/NA	Prep	537 DW			196069	11/17/21 17:37	AX9M	ELLE
Total/NA	Analysis	537 DW		1	197284	11/22/21 12:01	VK3G	ELLE

Client Sample ID: LTB01-211104

Lab Sample ID: 410-62315-8

Date Collected: 11/04/21 00:00
Matrix: Water
Date Received: 11/05/21 11:04

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			194408	11/13/21 00:49	GU2F	ELLE
Total/NA	Analysis	537 (Mod)		1	195931	11/17/21 21:34	PY4D	ELLE
Total/NA	Prep	537 DW			191864	11/08/21 07:30	GK2L	ELLE
Total/NA	Analysis	537 DW		1	193116	11/10/21 21:50	VK3G	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: 410-62315-1

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: 410-62315-1

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: 410-62315-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-62315-1	GAC-INFLUENT	Water	11/04/21 09:40	11/05/21 11:04
410-62315-2	GAC-MIDFLUENT	Water	11/04/21 09:45	11/05/21 11:04
410-62315-3	GAC-EFFLUENT	Water	11/04/21 09:50	11/05/21 11:04
410-62315-4	PV-1_25	Water	11/04/21 09:55	11/05/21 11:04
410-62315-5	PV-1_50	Water	11/04/21 10:00	11/05/21 11:04
410-62315-6	PV-1_75	Water	11/04/21 10:05	11/05/21 11:04
410-62315-7	FTB01-211104	Water	11/04/21 10:10	11/05/21 11:04
410-62315-8	LTB01-211104	Water	11/04/21 00:00	11/05/21 11:04

410-62315 Chain of Custody

Chain of Custody Record

eurofins Environment Testing America

Client Contact: ~~Jonathan Dippert~~ Kirk Moline	Sampler: C. Ormsby	Lab PM: Coplan, Dorothy	Carrier Tracking No(s):	COC No: 410-13086-232.2
Company: CT Male Associates DPC	Phone:	E-Mail: Dorothy.Coplan@eurofinset.com	State of Origin: NY	Page: Page 1 of 1
Address: 50 Century Hill Dr	PWSID:	Analysis Requested		Job #:
City: Latham	Due Date Requested:			Preservation Codes:
State, Zip: NY, 12110	TAT Requested (days): Standard			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - Tnzma
Phone:	Compliance Project: Δ Yes Δ No			
Email: ~~j.dippert@ctmale.com~~ K.Moline@CTMale.com	PO #: 14.4756			Other:
Project Name: Hoosick Falls WTP	WO #:			
Site:	Project #: 41000511			
	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - (MOD) 7 PFAS Compounds	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	Z		
GAC-INFLUENT	11/4/21	0940	G	Water			X	Y	4	PFAS Batch QC Collected here
GAC-MIDFLUENT		0945	G	Water			X	Y	4	
GAC-EFFLUENT		0950	G	Water			X	Y	4	
PV-1_25		0955	G	Water			X	Y	4	
PV-1_50		1000	G	Water			X	Y	4	
PV-1_75		1005	G	Water			X	Y	4	
FTB01-211104		1010	G	reagent water			X	Y	4	
LTB01-211104		—		reagent water			X	Y	4	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 11/4/21 1140	Company: CTM	Received by:		Date/Time:		Company:
Relinquished by:	Date/Time:	Company:	Received by:		Date/Time:		Company:
Relinquished by:	Date/Time:	Company:	Received by:		Date/Time: 11/5/21 1104		Company: ECLE

Custody Seals Intact: X Yes Δ No | Custody Seal No.: 124836 | Cooler Temperature(s) °C and Other Remarks: 0.7°C

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-62315-1

Login Number: 62315

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Renner, Melissa

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	