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ANALYTICAL REPORT

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

Laboratory Job ID: 410-25853-1
Laboratory Sample Delivery Group: HOO
Client Project/Site: Hoosick Falls WTP

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

Attn: Mr. Kirk Moline

Authorized for release by:
1/21/2021 10:31:05 AM

Paul Hobart, Manager of Client Relations Managers
(617)312-8660
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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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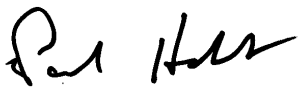

Paul Hobart
Manager of Client Relations Managers
1/21/2021 10:31:05 AM

Table of Contents

Definitions/Glossary

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

Job ID: 410-25853-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
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

Case Narrative

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

Job ID: 410-25853-1
SDG: HOO

Job ID: 410-25853-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-25853-1

Receipt
The samples were received on 1/8/2021 11:08 AM; the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°C

LCMS
Method 537_DW: The recovery for the surrogate in the following sample: FTB01-210107 (410-25853-8) and LTB01-210107 (410-25853-9) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted within the required holding time and the recovery for the surrogate(s) is again outside the QC acceptance limits.

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: 410-25853-1
SDG: HOO

Client Sample ID: GAC Influent — Lab Sample ID: 410-25853-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid	4.3		2.0		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	14		1.8		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	15		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.8		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	370		18		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midluent — Lab Sample ID: 410-25853-2

No Detections.

Client Sample ID: GAC Effluent — Lab Sample ID: 410-25853-3

No Detections.

Client Sample ID: PV-1 25 — Lab Sample ID: 410-25853-4

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	4.4		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	11		1.7		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	10		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	230		17		ng/L	10		537 DW	Total/NA

Client Sample ID: PV-1 50 — Lab Sample ID: 410-25853-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	5.1		4.6		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	3.1		1.9		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	3.4		1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid	7.3		1.8		ng/L	1		537 DW	Total/NA

Client Sample ID: PV-1 75 — Lab Sample ID: 410-25853-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	6.8		4.6		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: PV-2 25 — Lab Sample ID: 410-25853-7

No Detections.

Client Sample ID: FTB01-210107 — Lab Sample ID: 410-25853-8

No Detections.

Client Sample ID: LTB01-210107 — Lab Sample ID: 410-25853-9

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-25853-1
SDG: HOO

Client Sample ID: GAC Influent

Date Collected: 01/07/21 09:50
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-1

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	4.9	U	4.9		ng/L		01/12/21 06:57	01/13/21 17:08	1
8:2 Fluorotelomer sulfonic acid	2.9	U	2.9		ng/L		01/12/21 06:57	01/13/21 17:08	1
Perfluorobutanoic acid	4.9	U	4.9		ng/L		01/12/21 06:57	01/13/21 17:08	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		01/12/21 06:57	01/13/21 17:08	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		01/12/21 06:57	01/13/21 17:08	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		01/12/21 06:57	01/13/21 17:08	1
Perfluoropentanoic acid	**4.3**		2.0		ng/L		01/12/21 06:57	01/13/21 17:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*97*		*29 - 189*	*01/12/21 06:57*	*01/13/21 17:08*	*1*
M2-8:2 FTS	*104*		*34 - 182*	*01/12/21 06:57*	*01/13/21 17:08*	*1*
13C4 PFBA	*97*		*41 - 132*	*01/12/21 06:57*	*01/13/21 17:08*	*1*
13C5 PFPeA	*129*		*33 - 155*	*01/12/21 06:57*	*01/13/21 17:08*	*1*
13C8 PFOS	*97*		*49 - 126*	*01/12/21 06:57*	*01/13/21 17:08*	*1*
13C8 FOSA	*64*		*10 - 143*	*01/12/21 06:57*	*01/13/21 17:08*	*1*
13C3 PFHxS	*116*		*32 - 145*	*01/12/21 06:57*	*01/13/21 17:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**14**		1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluoroheptanoic acid	**15**		1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorooctanesulfonic acid	**3.8**		1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
NEtFOSAA	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
NMeFOSAA	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:18*	*1*
13C2 PFDA	*121*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:18*	*1*
13C2 PFHxA	*121*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**370**		18		ng/L		01/12/21 07:03	01/13/21 23:45	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*71*		*70 - 130*	*01/12/21 07:03*	*01/13/21 23:45*	*10*
13C2 PFDA	*72*		*70 - 130*	*01/12/21 07:03*	*01/13/21 23:45*	*10*
13C2 PFHxA	*82*		*70 - 130*	*01/12/21 07:03*	*01/13/21 23:45*	*10*

Client Sample ID: GAC Midluent

Date Collected: 01/07/21 09:55
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-2

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	4.8	U	4.8		ng/L		01/12/21 06:57	01/13/21 17:29	1
8:2 Fluorotelomer sulfonic acid	2.9	U	2.9		ng/L		01/12/21 06:57	01/13/21 17:29	1
Perfluorobutanoic acid	4.8	U	4.8		ng/L		01/12/21 06:57	01/13/21 17:29	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 17:29	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 17:29	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 17:29	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 17:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*121*		*29 - 189*	*01/12/21 06:57*	*01/13/21 17:29*	*1*
M2-8:2 FTS	*118*		*34 - 182*	*01/12/21 06:57*	*01/13/21 17:29*	*1*
13C4 PFBA	*101*		*41 - 132*	*01/12/21 06:57*	*01/13/21 17:29*	*1*
13C5 PFPeA	*99*		*33 - 155*	*01/12/21 06:57*	*01/13/21 17:29*	*1*
13C8 PFOS	*104*		*49 - 126*	*01/12/21 06:57*	*01/13/21 17:29*	*1*
13C8 FOSA	*67*		*10 - 143*	*01/12/21 06:57*	*01/13/21 17:29*	*1*
13C3 PFHxS	*93*		*32 - 145*	*01/12/21 06:57*	*01/13/21 17:29*	*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		01/12/21 07:03	01/13/21 20:30	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
NEtFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
NMeFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:30*	*1*
13C2 PFDA	*99*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:30*	*1*
13C2 PFHxA	*98*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:30*	*1*

Client Sample ID: GAC Effluent

Date Collected: 01/07/21 10:00
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-3

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	4.5	U	4.5		ng/L		01/12/21 06:57	01/13/21 17:40	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		01/12/21 06:57	01/13/21 17:40	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		01/12/21 06:57	01/13/21 17:40	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 17:40	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 17:40	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 17:40	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 17:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*113*		*29 - 189*	*01/12/21 06:57*	*01/13/21 17:40*	*1*
M2-8:2 FTS	*103*		*34 - 182*	*01/12/21 06:57*	*01/13/21 17:40*	*1*
13C4 PFBA	*97*		*41 - 132*	*01/12/21 06:57*	*01/13/21 17:40*	*1*
13C5 PFPeA	*97*		*33 - 155*	*01/12/21 06:57*	*01/13/21 17:40*	*1*
13C8 PFOS	*96*		*49 - 126*	*01/12/21 06:57*	*01/13/21 17:40*	*1*
13C8 FOSA	*58*		*10 - 143*	*01/12/21 06:57*	*01/13/21 17:40*	*1*
13C3 PFHxS	*86*		*32 - 145*	*01/12/21 06:57*	*01/13/21 17:40*	*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		01/12/21 07:03	01/13/21 20:41	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
NEtFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
NMeFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*95*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:41*	*1*
13C2 PFDA	*87*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:41*	*1*
13C2 PFHxA	*104*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:41*	*1*

Client Sample ID: PV-1 25

Date Collected: 01/07/21 10:03
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-4

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	4.6	U	4.6		ng/L		01/12/21 06:57	01/13/21 17:50	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		01/12/21 06:57	01/13/21 17:50	1
Perfluorobutanoic acid	**4.9**		4.6		ng/L		01/12/21 06:57	01/13/21 17:50	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 17:50	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 17:50	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 17:50	1
Perfluoropentanoic acid	**4.4**		1.8		ng/L		01/12/21 06:57	01/13/21 17:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*100*		*29 - 189*	*01/12/21 06:57*	*01/13/21 17:50*	*1*
M2-8:2 FTS	*102*		*34 - 182*	*01/12/21 06:57*	*01/13/21 17:50*	*1*
13C4 PFBA	*99*		*41 - 132*	*01/12/21 06:57*	*01/13/21 17:50*	*1*
13C5 PFPeA	*120*		*33 - 155*	*01/12/21 06:57*	*01/13/21 17:50*	*1*
13C8 PFOS	*99*		*49 - 126*	*01/12/21 06:57*	*01/13/21 17:50*	*1*
13C8 FOSA	*69*		*10 - 143*	*01/12/21 06:57*	*01/13/21 17:50*	*1*
13C3 PFHxS	*103*		*32 - 145*	*01/12/21 06:57*	*01/13/21 17:50*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**11**		1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluoroheptanoic acid	**10**		1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
NEtFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
NMeFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:53*	*1*
13C2 PFDA	*108*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:53*	*1*
13C2 PFHxA	*115*		*70 - 130*	*01/12/21 07:03*	*01/13/21 20:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**230**		17		ng/L		01/12/21 07:03	01/17/21 09:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*80*		*70 - 130*	*01/12/21 07:03*	*01/17/21 09:04*	*10*
13C2 PFDA	*81*		*70 - 130*	*01/12/21 07:03*	*01/17/21 09:04*	*10*
13C2 PFHxA	*75*		*70 - 130*	*01/12/21 07:03*	*01/17/21 09:04*	*10*

Client Sample ID: PV-1 50

Date Collected: 01/07/21 10:05
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-5

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	4.6	U	4.6		ng/L		01/12/21 06:57	01/13/21 18:01	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		01/12/21 06:57	01/13/21 18:01	1
Perfluorobutanoic acid	**5.1**		4.6		ng/L		01/12/21 06:57	01/13/21 18:01	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 18:01	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 18:01	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 18:01	1
Perfluoropentanoic acid	**3.1**		1.9		ng/L		01/12/21 06:57	01/13/21 18:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*116*		*29 - 189*	*01/12/21 06:57*	*01/13/21 18:01*	*1*
M2-8:2 FTS	*106*		*34 - 182*	*01/12/21 06:57*	*01/13/21 18:01*	*1*
13C4 PFBA	*99*		*41 - 132*	*01/12/21 06:57*	*01/13/21 18:01*	*1*
13C5 PFPeA	*104*		*33 - 155*	*01/12/21 06:57*	*01/13/21 18:01*	*1*
13C8 PFOS	*97*		*49 - 126*	*01/12/21 06:57*	*01/13/21 18:01*	*1*
13C8 FOSA	*67*		*10 - 143*	*01/12/21 06:57*	*01/13/21 18:01*	*1*
13C3 PFHxS	*88*		*32 - 145*	*01/12/21 06:57*	*01/13/21 18:01*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**3.4**		1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorooctanoic acid	**7.3**		1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
NEtFOSAA	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
NMeFOSAA	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:04*	*1*
13C2 PFDA	*89*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:04*	*1*
13C2 PFHxA	*91*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:04*	*1*

Client Sample ID: PV-1 75

Date Collected: 01/07/21 10:08
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-6

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	4.6	U	4.6		ng/L		01/12/21 06:57	01/13/21 18:11	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		01/12/21 06:57	01/13/21 18:11	1
Perfluorobutanoic acid	**6.8**		4.6		ng/L		01/12/21 06:57	01/13/21 18:11	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:11	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:11	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:11	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*105*		*29 - 189*	*01/12/21 06:57*	*01/13/21 18:11*	*1*
M2-8:2 FTS	*99*		*34 - 182*	*01/12/21 06:57*	*01/13/21 18:11*	*1*
13C4 PFBA	*85*		*41 - 132*	*01/12/21 06:57*	*01/13/21 18:11*	*1*
13C5 PFPeA	*86*		*33 - 155*	*01/12/21 06:57*	*01/13/21 18:11*	*1*
13C8 PFOS	*96*		*49 - 126*	*01/12/21 06:57*	*01/13/21 18:11*	*1*
13C8 FOSA	*66*		*10 - 143*	*01/12/21 06:57*	*01/13/21 18:11*	*1*
13C3 PFHxS	*83*		*32 - 145*	*01/12/21 06:57*	*01/13/21 18:11*	*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		01/12/21 07:03	01/13/21 21:15	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
NEtFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
NMeFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:15*	*1*
13C2 PFDA	*92*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:15*	*1*
13C2 PFHxA	*102*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:15*	*1*

Client Sample ID: PV-2 25

Date Collected: 01/07/21 10:10
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-7

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	4.5	U	4.5		ng/L		01/12/21 06:57	01/13/21 18:22	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		01/12/21 06:57	01/13/21 18:22	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		01/12/21 06:57	01/13/21 18:22	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:22	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:22	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:22	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*105*		*29 - 189*	*01/12/21 06:57*	*01/13/21 18:22*	*1*
M2-8:2 FTS	*96*		*34 - 182*	*01/12/21 06:57*	*01/13/21 18:22*	*1*
13C4 PFBA	*91*		*41 - 132*	*01/12/21 06:57*	*01/13/21 18:22*	*1*
13C5 PFPeA	*90*		*33 - 155*	*01/12/21 06:57*	*01/13/21 18:22*	*1*
13C8 PFOS	*87*		*49 - 126*	*01/12/21 06:57*	*01/13/21 18:22*	*1*
13C8 FOSA	*68*		*10 - 143*	*01/12/21 06:57*	*01/13/21 18:22*	*1*
13C3 PFHxS	*85*		*32 - 145*	*01/12/21 06:57*	*01/13/21 18:22*	*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		01/12/21 07:03	01/13/21 21:27	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
NEtFOSAA	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
NMeFOSAA	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		01/12/21 07:03	01/13/21 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:27*	*1*
13C2 PFDA	*92*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:27*	*1*
13C2 PFHxA	*100*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:27*	*1*

Client Sample ID: FTB01-210107

Date Collected: 01/07/21 10:15
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-8

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	4.8	U	4.8		ng/L		01/12/21 06:57	01/13/21 18:32	1
8:2 Fluorotelomer sulfonic acid	2.9	U	2.9		ng/L		01/12/21 06:57	01/13/21 18:32	1
Perfluorobutanoic acid	4.8	U	4.8		ng/L		01/12/21 06:57	01/13/21 18:32	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 18:32	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 18:32	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 18:32	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		01/12/21 06:57	01/13/21 18:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*120*		*29 - 189*	*01/12/21 06:57*	*01/13/21 18:32*	*1*
M2-8:2 FTS	*111*		*34 - 182*	*01/12/21 06:57*	*01/13/21 18:32*	*1*
13C4 PFBA	*103*		*41 - 132*	*01/12/21 06:57*	*01/13/21 18:32*	*1*
13C5 PFPeA	*104*		*33 - 155*	*01/12/21 06:57*	*01/13/21 18:32*	*1*
13C8 PFOS	*103*		*49 - 126*	*01/12/21 06:57*	*01/13/21 18:32*	*1*
13C8 FOSA	*76*		*10 - 143*	*01/12/21 06:57*	*01/13/21 18:32*	*1*
13C3 PFHxS	*99*		*32 - 145*	*01/12/21 06:57*	*01/13/21 18:32*	*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		01/12/21 07:03	01/13/21 21:38	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
NEtFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
NMeFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*86*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:38*	*1*
13C2 PFDA	*85*		*70 - 130*	*01/12/21 07:03*	*01/13/21 21:38*	*1*
13C2 PFHxA	*62*	*S1-*	*70 - 130*	*01/12/21 07:03*	*01/13/21 21:38*	*1*

Client Sample ID: LTB01-210107

Date Collected: 01/07/21 00:00
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-9

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		01/12/21 06:57	01/13/21 18:43	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		01/12/21 06:57	01/13/21 18:43	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		01/12/21 06:57	01/13/21 18:43	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:43	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:43	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:43	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/12/21 06:57	01/13/21 18:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*107*		*29 - 189*	*01/12/21 06:57*	*01/13/21 18:43*	*1*
M2-8:2 FTS	*107*		*34 - 182*	*01/12/21 06:57*	*01/13/21 18:43*	*1*
13C4 PFBA	*98*		*41 - 132*	*01/12/21 06:57*	*01/13/21 18:43*	*1*
13C5 PFPeA	*99*		*33 - 155*	*01/12/21 06:57*	*01/13/21 18:43*	*1*
13C8 PFOS	*95*		*49 - 126*	*01/12/21 06:57*	*01/13/21 18:43*	*1*
13C8 FOSA	*69*		*10 - 143*	*01/12/21 06:57*	*01/13/21 18:43*	*1*
13C3 PFHxS	*89*		*32 - 145*	*01/12/21 06:57*	*01/13/21 18:43*	*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		01/12/21 07:03	01/13/21 21:50	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
NEtFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
NMeFOSAA	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		01/12/21 07:03	01/13/21 21:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*21*	*S1-*	*70 - 130*	*01/12/21 07:03*	*01/13/21 21:50*	*1*
13C2 PFDA	*29*	*S1-*	*70 - 130*	*01/12/21 07:03*	*01/13/21 21:50*	*1*
13C2 PFHxA	*20*	*S1-*	*70 - 130*	*01/12/21 07:03*	*01/13/21 21:50*	*1*

Surrogate Summary

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

Job ID: 410-25853-1
SDG: HOO

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	d5NEFOS (70-130)	PFDA (70-130)	PFHxA (70-130)
410-25853-1	GAC Influent	93	121	121
410-25853-1 - DL	GAC Influent	71	72	82
410-25853-2	GAC Midluent	93	99	98
410-25853-3	GAC Effluent	95	87	104
410-25853-4	PV-1 25	90	108	115
410-25853-4 - DL	PV-1 25	80	81	75
410-25853-5	PV-1 50	97	89	91
410-25853-6	PV-1 75	90	92	102
410-25853-7	PV-2 25	96	92	100
410-25853-8	FTB01-210107	86	85	62 S1-
410-25853-9	LTB01-210107	21 S1-	29 S1-	20 S1-
LCS 410-83891/2-A	Lab Control Sample	98	104	102
LCSD 410-83891/3-A	Lab Control Sample Dup	95	89	88
MB 410-83891/1-A	Method Blank	90	79	83

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: 410-25853-1
SDG: HOO

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

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

		Percent Isotope Dilution Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	M262FTS (29-189)	M282FTS (34-182)	PFBA (41-132)	PFPeA (33-155)	C8PFOS (49-126)	PFOSA (10-143)	C3PFHS (32-145)
410-25853-1	GAC Influent	97	104	97	129	97	64	116
410-25853-2	GAC Midluent	121	118	101	99	104	67	93
410-25853-3	GAC Effluent	113	103	97	97	96	58	86
410-25853-4	PV-1 25	100	102	99	120	99	69	103
410-25853-5	PV-1 50	116	106	99	104	97	67	88
410-25853-6	PV-1 75	105	99	85	86	96	66	83
410-25853-7	PV-2 25	105	96	91	90	87	68	85
410-25853-8	FTB01-210107	120	111	103	104	103	76	99
410-25853-9	LTB01-210107	107	107	98	99	95	69	89
LCS 410-83887/2-A	Lab Control Sample	107	101	95	93	95	76	91
LCSD 410-83887/3-A	Lab Control Sample Dup	103	95	94	95	93	71	88
MB 410-83887/1-A	Method Blank	117	103	99	101	91	68	97

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 410-83887/1-A
Matrix: Water
Analysis Batch: 84457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83887

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		01/12/21 06:57	01/13/21 15:01	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		01/12/21 06:57	01/13/21 15:01	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		01/12/21 06:57	01/13/21 15:01	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		01/12/21 06:57	01/13/21 15:01	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		01/12/21 06:57	01/13/21 15:01	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		01/12/21 06:57	01/13/21 15:01	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		01/12/21 06:57	01/13/21 15:01	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*117*		*29 - 189*	*01/12/21 06:57*	*01/13/21 15:01*	*1*
M2-8:2 FTS	*103*		*34 - 182*	*01/12/21 06:57*	*01/13/21 15:01*	*1*
13C4 PFBA	*99*		*41 - 132*	*01/12/21 06:57*	*01/13/21 15:01*	*1*
13C5 PFPeA	*101*		*33 - 155*	*01/12/21 06:57*	*01/13/21 15:01*	*1*
13C8 PFOS	*91*		*49 - 126*	*01/12/21 06:57*	*01/13/21 15:01*	*1*
13C8 FOSA	*68*		*10 - 143*	*01/12/21 06:57*	*01/13/21 15:01*	*1*
13C3 PFHxS	*97*		*32 - 145*	*01/12/21 06:57*	*01/13/21 15:01*	*1*

Lab Sample ID: LCS 410-83887/2-A
Matrix: Water
Analysis Batch: 84457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83887

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	27.8		ng/L		115	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	31.1		ng/L		127	56 - 140		
Perfluorobutanoic acid			25.6	27.4		ng/L		107	62 - 156		
Perfluorodecanesulfonic acid			24.7	24.2		ng/L		98	61 - 134		
Perfluoroheptanesulfonic acid			24.4	24.2		ng/L		99	67 - 135		
Perfluorooctanesulfonamide			25.6	28.3		ng/L		111	55 - 130		
Perfluoropentanoic acid			25.6	28.0		ng/L		110	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*107*		*29 - 189*
M2-8:2 FTS	*101*		*34 - 182*
13C4 PFBA	*95*		*41 - 132*
13C5 PFPeA	*93*		*33 - 155*
13C8 PFOS	*95*		*49 - 126*
13C8 FOSA	*76*		*10 - 143*
13C3 PFHxS	*91*		*32 - 145*

Lab Sample ID: LCSD 410-83887/3-A
Matrix: Water
Analysis Batch: 84457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 83887

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	29.6		ng/L		122	57 - 137	6	30
8:2 Fluorotelomer sulfonic acid			24.5	27.6		ng/L		112	56 - 140	12	30
Perfluorobutanoic acid			25.6	28.5		ng/L		111	62 - 156	4	30
Perfluorodecanesulfonic acid			24.7	28.1		ng/L		114	61 - 134	15	30
Perfluoroheptanesulfonic acid			24.4	24.1		ng/L		99	67 - 135	0	30

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

Lab Sample ID: LCSD 410-83887/3-A
Matrix: Water
Analysis Batch: 84457

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 83887

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonamide			25.6	28.9		ng/L		113	55 - 130	2	30
Perfluoropentanoic acid			25.6	28.9		ng/L		113	72 - 139	3	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-6:2 FTS	*103*		*29 - 189*
M2-8:2 FTS	*95*		*34 - 182*
13C4 PFBA	*94*		*41 - 132*
13C5 PFPeA	*95*		*33 - 155*
13C8 PFOS	*93*		*49 - 126*
13C8 FOSA	*71*		*10 - 143*
13C3 PFHxS	*88*		*32 - 145*

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

Lab Sample ID: MB 410-83891/1-A
Matrix: Water
Analysis Batch: 84231

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83891

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
NEtFOSAA	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
NMeFOSAA	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		01/12/21 07:03	01/13/21 19:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*01/12/21 07:03*	*01/13/21 19:32*	*1*
13C2 PFDA	*79*		*70 - 130*	*01/12/21 07:03*	*01/13/21 19:32*	*1*
13C2 PFHxA	*83*		*70 - 130*	*01/12/21 07:03*	*01/13/21 19:32*	*1*

Lab Sample ID: LCS 410-83891/2-A
Matrix: Water
Analysis Batch: 84231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83891

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	20.6		ng/L		100	70 - 130		
Perfluoroheptanoic acid			20.5	20.6		ng/L		100	70 - 130		
Perfluorooctanoic acid			20.5	20.7		ng/L		101	70 - 130		
Perfluorononanoic acid			20.5	21.2		ng/L		103	70 - 130		
Perfluorodecanoic acid			20.5	20.9		ng/L		102	70 - 130		

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

Lab Sample ID: LCS 410-83891/2-A
Matrix: Water
Analysis Batch: 84231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83891

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorotridecanoic acid	20.5	19.7		ng/L		96	70 - 130
Perfluorotetradecanoic acid	20.5	20.0		ng/L		98	70 - 130
Perfluorobutanesulfonic acid	18.1	17.2		ng/L		95	70 - 130
Perfluorohexanesulfonic acid	18.7	17.4		ng/L		93	70 - 130
Perfluorooctanesulfonic acid	19.0	18.0		ng/L		95	70 - 130
NEtFOSAA	20.5	17.8		ng/L		87	70 - 130
NMeFOSAA	20.5	18.7		ng/L		91	70 - 130
Perfluoroundecanoic acid	20.5	21.0		ng/L		103	70 - 130
Perfluorododecanoic acid	20.5	20.1		ng/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*98*		*70 - 130*
13C2 PFDA	*104*		*70 - 130*
13C2 PFHxA	*102*		*70 - 130*

Lab Sample ID: LCSD 410-83891/3-A
Matrix: Water
Analysis Batch: 84231

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 83891

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	20.5	18.0		ng/L		88	70 - 130	13	30
Perfluoroheptanoic acid	20.5	17.8		ng/L		87	70 - 130	14	30
Perfluorooctanoic acid	20.5	19.0		ng/L		93	70 - 130	9	30
Perfluorononanoic acid	20.5	20.3		ng/L		99	70 - 130	4	30
Perfluorodecanoic acid	20.5	18.1		ng/L		89	70 - 130	14	30
Perfluorotridecanoic acid	20.5	18.6		ng/L		91	70 - 130	6	30
Perfluorotetradecanoic acid	20.5	18.8		ng/L		92	70 - 130	6	30
Perfluorobutanesulfonic acid	18.1	17.8		ng/L		98	70 - 130	3	30
Perfluorohexanesulfonic acid	18.7	17.1		ng/L		92	70 - 130	1	30
Perfluorooctanesulfonic acid	19.0	18.0		ng/L		95	70 - 130	0	30
NEtFOSAA	20.5	17.9		ng/L		87	70 - 130	0	30
NMeFOSAA	20.5	17.2		ng/L		84	70 - 130	8	30
Perfluoroundecanoic acid	20.5	19.5		ng/L		95	70 - 130	7	30
Perfluorododecanoic acid	20.5	19.0		ng/L		93	70 - 130	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*95*		*70 - 130*
13C2 PFDA	*89*		*70 - 130*
13C2 PFHxA	*88*		*70 - 130*

LCMS

Prep Batch: 83887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25853-1	GAC Influent	Total/NA	Water	537 (Mod)	
410-25853-2	GAC Midluent	Total/NA	Water	537 (Mod)	
410-25853-3	GAC Effluent	Total/NA	Water	537 (Mod)	
410-25853-4	PV-1 25	Total/NA	Water	537 (Mod)	
410-25853-5	PV-1 50	Total/NA	Water	537 (Mod)	
410-25853-6	PV-1 75	Total/NA	Water	537 (Mod)	
410-25853-7	PV-2 25	Total/NA	Water	537 (Mod)	
410-25853-8	FTB01-210107	Total/NA	Water	537 (Mod)	
410-25853-9	LTB01-210107	Total/NA	Water	537 (Mod)	
MB 410-83887/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-83887/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
LCSD 410-83887/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	

Prep Batch: 83891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25853-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-25853-1	GAC Influent	Total/NA	Water	537 DW	
410-25853-2	GAC Midluent	Total/NA	Water	537 DW	
410-25853-3	GAC Effluent	Total/NA	Water	537 DW	
410-25853-4	PV-1 25	Total/NA	Water	537 DW	
410-25853-4 - DL	PV-1 25	Total/NA	Water	537 DW	
410-25853-5	PV-1 50	Total/NA	Water	537 DW	
410-25853-6	PV-1 75	Total/NA	Water	537 DW	
410-25853-7	PV-2 25	Total/NA	Water	537 DW	
410-25853-8	FTB01-210107	Total/NA	Water	537 DW	
410-25853-9	LTB01-210107	Total/NA	Water	537 DW	
MB 410-83891/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-83891/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-83891/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 84231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25853-1	GAC Influent	Total/NA	Water	537 DW	83891
410-25853-1 - DL	GAC Influent	Total/NA	Water	537 DW	83891
410-25853-2	GAC Midluent	Total/NA	Water	537 DW	83891
410-25853-3	GAC Effluent	Total/NA	Water	537 DW	83891
410-25853-4	PV-1 25	Total/NA	Water	537 DW	83891
410-25853-5	PV-1 50	Total/NA	Water	537 DW	83891
410-25853-6	PV-1 75	Total/NA	Water	537 DW	83891
410-25853-7	PV-2 25	Total/NA	Water	537 DW	83891
410-25853-8	FTB01-210107	Total/NA	Water	537 DW	83891
410-25853-9	LTB01-210107	Total/NA	Water	537 DW	83891
MB 410-83891/1-A	Method Blank	Total/NA	Water	537 DW	83891
LCS 410-83891/2-A	Lab Control Sample	Total/NA	Water	537 DW	83891
LCSD 410-83891/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	83891

Analysis Batch: 84457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25853-1	GAC Influent	Total/NA	Water	537 (Mod)	83887
410-25853-2	GAC Midluent	Total/NA	Water	537 (Mod)	83887
410-25853-3	GAC Effluent	Total/NA	Water	537 (Mod)	83887

LCMS (Continued)

Analysis Batch: 84457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25853-4	PV-1 25	Total/NA	Water	537 (Mod)	83887
410-25853-5	PV-1 50	Total/NA	Water	537 (Mod)	83887
410-25853-6	PV-1 75	Total/NA	Water	537 (Mod)	83887
410-25853-7	PV-2 25	Total/NA	Water	537 (Mod)	83887
410-25853-8	FTB01-210107	Total/NA	Water	537 (Mod)	83887
410-25853-9	LTB01-210107	Total/NA	Water	537 (Mod)	83887
MB 410-83887/1-A	Method Blank	Total/NA	Water	537 (Mod)	83887
LCS 410-83887/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	83887
LCSD 410-83887/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	83887

Prep Batch: 85018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25853-8 - RE	FTB01-210107	Total/NA	Water	537 DW	
410-25853-9 - RE	LTB01-210107	Total/NA	Water	537 DW	
MB 410-85018/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-85018/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-85018/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	
LLCS 410-85018/4-A	Lab Control Sample	Total/NA	Water	537 DW	

Analysis Batch: 85416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-25853-4 - DL	PV-1 25	Total/NA	Water	537 DW	83891
410-25853-8 - RE	FTB01-210107	Total/NA	Water	537 DW	85018
410-25853-9 - RE	LTB01-210107	Total/NA	Water	537 DW	85018
MB 410-85018/1-A	Method Blank	Total/NA	Water	537 DW	85018
LCS 410-85018/2-A	Lab Control Sample	Total/NA	Water	537 DW	85018
LCSD 410-85018/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	85018
LLCS 410-85018/4-A	Lab Control Sample	Total/NA	Water	537 DW	85018

Lab Chronicle

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

Job ID: 410-25853-1
SDG: HOO

Client Sample ID: GAC Influent
Lab Sample ID: 410-25853-1
Date Collected: 01/07/21 09:50
Matrix: Water
Date Received: 01/08/21 11:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 17:08	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 20:18	Y6ZN	ELLE
Total/NA	Prep	537 DW	DL		83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW	DL	10	84231	01/13/21 23:45	Y6ZN	ELLE

Client Sample ID: GAC Midluent
Lab Sample ID: 410-25853-2
Date Collected: 01/07/21 09:55
Matrix: Water
Date Received: 01/08/21 11:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 17:29	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 20:30	Y6ZN	ELLE

Client Sample ID: GAC Effluent
Lab Sample ID: 410-25853-3
Date Collected: 01/07/21 10:00
Matrix: Water
Date Received: 01/08/21 11:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 17:40	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 20:41	Y6ZN	ELLE

Client Sample ID: PV-1 25
Lab Sample ID: 410-25853-4
Date Collected: 01/07/21 10:03
Matrix: Water
Date Received: 01/08/21 11:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 17:50	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 20:53	Y6ZN	ELLE
Total/NA	Prep	537 DW	DL		83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW	DL	10	85416	01/17/21 09:04	VK3G	ELLE

Client Sample ID: PV-1 50
Lab Sample ID: 410-25853-5
Date Collected: 01/07/21 10:05
Matrix: Water
Date Received: 01/08/21 11:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 18:01	UUV6	ELLE

Lab Chronicle

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

Job ID: 410-25853-1
SDG: HOO

Client Sample ID: PV-1 50
Date Collected: 01/07/21 10:05
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 21:04	Y6ZN	ELLE

Client Sample ID: PV-1 75
Date Collected: 01/07/21 10:08
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 18:11	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 21:15	Y6ZN	ELLE

Client Sample ID: PV-2 25
Date Collected: 01/07/21 10:10
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 18:22	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 21:27	Y6ZN	ELLE

Client Sample ID: FTB01-210107
Date Collected: 01/07/21 10:15
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 18:32	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 21:38	Y6ZN	ELLE
Total/NA	Prep	537 DW	RE		85018	01/14/21 19:03	QLP7	ELLE
Total/NA	Analysis	537 DW	RE	1	85416	01/17/21 13:38	VK3G	ELLE

Client Sample ID: LTB01-210107
Date Collected: 01/07/21 00:00
Date Received: 01/08/21 11:08

Lab Sample ID: 410-25853-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			83887	01/12/21 06:57	NF	ELLE
Total/NA	Analysis	537 (Mod)		1	84457	01/13/21 18:43	UUV6	ELLE
Total/NA	Prep	537 DW			83891	01/12/21 07:03	RDL8	ELLE
Total/NA	Analysis	537 DW		1	84231	01/13/21 21:50	Y6ZN	ELLE
Total/NA	Prep	537 DW	RE		85018	01/14/21 19:03	QLP7	ELLE
Total/NA	Analysis	537 DW	RE	1	85416	01/17/21 13:50	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-25853-1
SDG: HOO

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 410-25853-1
SDG: HOO

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (Mod)	537 (Mod)	Water	6:2 Fluorotelomer sulfonic acid
537 (Mod)	537 (Mod)	Water	8:2 Fluorotelomer sulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluorobutanoic acid
537 (Mod)	537 (Mod)	Water	Perfluorodecanesulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluoroheptanesulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluorooctanesulfonamide
537 (Mod)	537 (Mod)	Water	Perfluoropentanoic acid
537 DW	537 DW	Water	NEtFOSAA
537 DW	537 DW	Water	NMeFOSAA
537 DW	537 DW	Water	Perfluorobutanesulfonic acid
537 DW	537 DW	Water	Perfluorodecanoic acid
537 DW	537 DW	Water	Perfluorododecanoic acid
537 DW	537 DW	Water	Perfluoroheptanoic acid
537 DW	537 DW	Water	Perfluorohexanesulfonic acid
537 DW	537 DW	Water	Perfluorohexanoic acid
537 DW	537 DW	Water	Perfluorononanoic acid
537 DW	537 DW	Water	Perfluorooctanesulfonic acid
537 DW	537 DW	Water	Perfluorooctanoic acid
537 DW	537 DW	Water	Perfluorotetradecanoic acid
537 DW	537 DW	Water	Perfluorotridecanoic acid
537 DW	537 DW	Water	Perfluoroundecanoic acid

Method Summary

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

Job ID: 410-25853-1
SDG: HOO

Method	Method Description	Protocol	Laboratory
537 (Mod)	EPA 537 Version 1.1 modified	EPA	ELLE
537 DW	Perfluorinated Alkyl Acids (LC/MS)	EPA	ELLE
537 (Mod)	537 Version 1.1 modified	EPA	ELLE
537 DW	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

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

Job ID: 410-25853-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-25853-1	GAC Influent	Water	01/07/21 09:50	01/08/21 11:08	
410-25853-2	GAC Midluent	Water	01/07/21 09:55	01/08/21 11:08	
410-25853-3	GAC Effluent	Water	01/07/21 10:00	01/08/21 11:08	
410-25853-4	PV-1 25	Water	01/07/21 10:03	01/08/21 11:08	
410-25853-5	PV-1 50	Water	01/07/21 10:05	01/08/21 11:08	
410-25853-6	PV-1 75	Water	01/07/21 10:08	01/08/21 11:08	
410-25853-7	PV-2 25	Water	01/07/21 10:10	01/08/21 11:08	
410-25853-8	FTB01-210107	Water	01/07/21 10:15	01/08/21 11:08	
410-25853-9	LTB01-210107	Water	01/07/21 00:00	01/08/21 11:08	

410-25853 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 1
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 - Trizma, Other:
Phone:	Compliance Project: Δ Yes Δ No			
Email: j.dippert@ctmale.com / k.moline@ctmale.com	PO #: 14.4756			
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)	PFC_IDA - (MOD) 7 PFAS Compounds	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
GAC Influent	1/7/21	0950	G	Water		✓	✓	8	PFAS Batch QC Collected
GAC Midfluent		0955	G	Water		✓	✓	4	
GAC Effluent		1000	G	Water		✓	✓	4	
PV-1 25		1007	G	Water		✓	✓	4	
PV-1 50		1005	G	Water		✓	✓	4	
PV-1 75		1008	G	Water		✓	✓	4	
PV-2 25		1010	G	Water		✓	✓	4	
FTB01-210107		1015	G	Water		✓	✓	4	Field Trip Blank
LTB01-210107		—		Water		✓	✓	4	Lab Trip Blank

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	1/7/21 1340	CTM	[signature]		
2				[signature]		
3				[signature]	1/8/21 1104	FLG

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.5

Ver: 01/16/2019

1/14/2021

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-25853-1
SDG Number: HOO

Login Number: 25853
List Number: 1
Creator: Rivera, Tatiana

List Source: Eurofins Lancaster Laboratories Env

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	