eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 410-75008-1
Laboratory Sample Delivery Group: HOO
Client Project/Site: Hoosick Falls WTP

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

Attn: Mr. Kirk Moline

Authorized for release by:
3/18/2022 4:56:40 PM

Paul Hobart, Project Manager
(617)312-8660
Paul.Hobart@Eurofinset.com

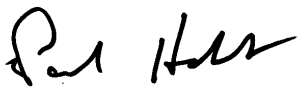
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

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

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

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

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



Paul Hobart
Project Manager
3/18/2022 4:56:40 PM

Table of Contents

Definitions/Glossary

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

Job ID: 410-75008-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
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: 410-75008-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-75008-1

Receipt
The samples were received on 3/4/2022 10:47 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C

PFAS
Method 537_DW: The reference method requires samples to be preserved to a pH of 6.5-7.5. The following sample(s) were received with insufficient preservation at a pH of 6: GAC INFLUENT (410-75008-1), GAC MIDFLUENT (410-75008-2), GAC EFFLUENT (410-75008-3), PV-1_50 (410-75008-4), PV-1_75 (410-75008-5), FTB01-220303 (410-75008-6) and LTB01-220303 (410-75008-7).

Method 537_DW: The LCSD target analytes Perfluorooctanesulfonic acid, Perfluorobutanesulfonic acid and Perfluorohexanesulfonic acid are out of spec high, but below the lower limits in samples GAC MIDFLUENT (410-75008-2), GAC EFFLUENT (410-75008-3), PV-1_75 (410-75008-5) and LTB01-220303 (410-75008-7). There is no additional volume to re-extract.

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: 410-75008-1
SDG: HOO

Client Sample ID: GAC INFLUENT — Lab Sample ID: 410-75008-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide	2.3		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	3.1		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	10	cn	1.8		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	11	cn	1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.1	cn	1.8		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	460	cn	18		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC MIDFLUENT — Lab Sample ID: 410-75008-2

No Detections.

Client Sample ID: GAC EFFLUENT — Lab Sample ID: 410-75008-3

No Detections.

Client Sample ID: PV-1_50 — Lab Sample ID: 410-75008-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	7.4		4.3		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: PV-1_75 — Lab Sample ID: 410-75008-5

No Detections.

Client Sample ID: FTB01-220303 — Lab Sample ID: 410-75008-6

No Detections.

Client Sample ID: LTB01-220303 — Lab Sample ID: 410-75008-7

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 410-75008-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Date Collected: 03/03/22 09:25
Date Received: 03/04/22 10:47

Lab Sample ID: 410-75008-1

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	4.5	U	4.5		ng/L		03/08/22 08:44	03/10/22 16:33	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		03/08/22 08:44	03/10/22 16:33	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		03/08/22 08:44	03/10/22 16:33	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 16:33	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 16:33	1
Perfluorooctanesulfonamide	**2.3**		1.8		ng/L		03/08/22 08:44	03/10/22 16:33	1
Perfluoropentanoic acid	**3.1**		1.8		ng/L		03/08/22 08:44	03/10/22 16:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*102*		*17 - 200*	*03/08/22 08:44*	*03/10/22 16:33*	*1*
M2-8:2 FTS	*101*		*33 - 200*	*03/08/22 08:44*	*03/10/22 16:33*	*1*
13C4 PFBA	*98*		*42 - 165*	*03/08/22 08:44*	*03/10/22 16:33*	*1*
13C5 PFPeA	*115*		*38 - 187*	*03/08/22 08:44*	*03/10/22 16:33*	*1*
13C8 PFOS	*101*		*51 - 159*	*03/08/22 08:44*	*03/10/22 16:33*	*1*
13C8 FOSA	*80*		*10 - 168*	*03/08/22 08:44*	*03/10/22 16:33*	*1*
13C3 PFHxS	*113*		*28 - 188*	*03/08/22 08:44*	*03/10/22 16:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**10**	**cn**	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluoroheptanoic acid	**11**	**cn**	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorononanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorodecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorotridecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorotetradecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorobutanesulfonic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorohexanesulfonic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorooctanesulfonic acid	**3.1**	**cn**	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
NEtFOSAA	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
NMeFOSAA	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluoroundecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1
Perfluorododecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*78*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:13*	*1*
13C2 PFDA	*88*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:13*	*1*
13C2 PFHxA	*102*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:13*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**460**	**cn**	18		ng/L		03/08/22 06:10	03/11/22 18:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:25*	*10*
13C2 PFDA	*90*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:25*	*10*
13C2 PFHxA	*113*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:25*	*10*

Client Sample ID: GAC MIDFLUENT

Date Collected: 03/03/22 09:30
Date Received: 03/04/22 10:47

Lab Sample ID: 410-75008-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		03/08/22 08:44	03/10/22 16:44	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/08/22 08:44	03/10/22 16:44	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		03/08/22 08:44	03/10/22 16:44	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:44	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:44	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:44	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*109*		*17 - 200*	*03/08/22 08:44*	*03/10/22 16:44*	*1*
M2-8:2 FTS	*94*		*33 - 200*	*03/08/22 08:44*	*03/10/22 16:44*	*1*
13C4 PFBA	*90*		*42 - 165*	*03/08/22 08:44*	*03/10/22 16:44*	*1*
13C5 PFPeA	*100*		*38 - 187*	*03/08/22 08:44*	*03/10/22 16:44*	*1*
13C8 PFOS	*93*		*51 - 159*	*03/08/22 08:44*	*03/10/22 16:44*	*1*
13C8 FOSA	*95*		*10 - 168*	*03/08/22 08:44*	*03/10/22 16:44*	*1*
13C3 PFHxS	*101*		*28 - 188*	*03/08/22 08:44*	*03/10/22 16:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluoroheptanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorooctanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorononanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorodecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorotridecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorotetradecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorobutanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorohexanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorooctanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
NEtFOSAA	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
NMeFOSAA	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluoroundecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1
Perfluorododecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*72*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:36*	*1*
d5-NEtFOSAA	*102*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:14*	*1*
13C2 PFDA	*67*	*S1- cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:36*	*1*
13C2 PFDA	*99*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:14*	*1*
13C2 PFHxA	*86*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:36*	*1*
13C2 PFHxA	*104*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:14*	*1*

Client Sample ID: GAC EFFLUENT

Date Collected: 03/03/22 09:35
Date Received: 03/04/22 10:47

Lab Sample ID: 410-75008-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		03/08/22 08:44	03/10/22 16:55	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/08/22 08:44	03/10/22 16:55	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		03/08/22 08:44	03/10/22 16:55	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:55	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:55	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:55	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 16:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*114*		*17 - 200*	*03/08/22 08:44*	*03/10/22 16:55*	*1*
M2-8:2 FTS	*96*		*33 - 200*	*03/08/22 08:44*	*03/10/22 16:55*	*1*
13C4 PFBA	*93*		*42 - 165*	*03/08/22 08:44*	*03/10/22 16:55*	*1*
13C5 PFPeA	*96*		*38 - 187*	*03/08/22 08:44*	*03/10/22 16:55*	*1*
13C8 PFOS	*93*		*51 - 159*	*03/08/22 08:44*	*03/10/22 16:55*	*1*
13C8 FOSA	*95*		*10 - 168*	*03/08/22 08:44*	*03/10/22 16:55*	*1*
13C3 PFHxS	*102*		*28 - 188*	*03/08/22 08:44*	*03/10/22 16:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluoroheptanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorooctanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorononanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorodecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorotridecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorotetradecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorobutanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorohexanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorooctanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
NEtFOSAA	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
NMeFOSAA	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluoroundecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1
Perfluorododecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*74*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:59*	*1*
d5-NEtFOSAA	*105*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:26*	*1*
13C2 PFDA	*69*	*S1- cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:59*	*1*
13C2 PFDA	*100*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:26*	*1*
13C2 PFHxA	*86*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 18:59*	*1*
13C2 PFHxA	*100*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:26*	*1*

Client Sample ID: PV-1_50

Date Collected: 03/03/22 09:40
Date Received: 03/04/22 10:47

Lab Sample ID: 410-75008-4

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		03/08/22 08:44	03/10/22 17:06	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		03/08/22 08:44	03/10/22 17:06	1
Perfluorobutanoic acid	**7.4**		4.3		ng/L		03/08/22 08:44	03/10/22 17:06	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:06	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:06	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:06	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*120*		*17 - 200*	*03/08/22 08:44*	*03/10/22 17:06*	*1*
M2-8:2 FTS	*95*		*33 - 200*	*03/08/22 08:44*	*03/10/22 17:06*	*1*
13C4 PFBA	*94*		*42 - 165*	*03/08/22 08:44*	*03/10/22 17:06*	*1*
13C5 PFPeA	*98*		*38 - 187*	*03/08/22 08:44*	*03/10/22 17:06*	*1*
13C8 PFOS	*97*		*51 - 159*	*03/08/22 08:44*	*03/10/22 17:06*	*1*
13C8 FOSA	*89*		*10 - 168*	*03/08/22 08:44*	*03/10/22 17:06*	*1*
13C3 PFHxS	*102*		*28 - 188*	*03/08/22 08:44*	*03/10/22 17:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluoroheptanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorooctanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorononanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorodecanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorotridecanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorotetradecanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorobutanesulfonic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorohexanesulfonic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorooctanesulfonic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
NEtFOSAA	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
NMeFOSAA	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluoroundecanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1
Perfluorododecanoic acid	1.7	U cn	1.7		ng/L		03/08/22 06:10	03/11/22 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*78*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 19:22*	*1*
13C2 PFDA	*70*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 19:22*	*1*
13C2 PFHxA	*88*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 19:22*	*1*

Client Sample ID: PV-1_75

Date Collected: 03/03/22 09:43
Date Received: 03/04/22 10:47

Lab Sample ID: 410-75008-5

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	4.2	U	4.2		ng/L		03/08/22 08:44	03/10/22 17:17	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		03/08/22 08:44	03/10/22 17:17	1
Perfluorobutanoic acid	4.2	U	4.2		ng/L		03/08/22 08:44	03/10/22 17:17	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:17	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:17	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:17	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		03/08/22 08:44	03/10/22 17:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*118*		*17 - 200*	*03/08/22 08:44*	*03/10/22 17:17*	*1*
M2-8:2 FTS	*102*		*33 - 200*	*03/08/22 08:44*	*03/10/22 17:17*	*1*
13C4 PFBA	*98*		*42 - 165*	*03/08/22 08:44*	*03/10/22 17:17*	*1*
13C5 PFPeA	*110*		*38 - 187*	*03/08/22 08:44*	*03/10/22 17:17*	*1*
13C8 PFOS	*94*		*51 - 159*	*03/08/22 08:44*	*03/10/22 17:17*	*1*
13C8 FOSA	*106*		*10 - 168*	*03/08/22 08:44*	*03/10/22 17:17*	*1*
13C3 PFHxS	*109*		*28 - 188*	*03/08/22 08:44*	*03/10/22 17:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluoroheptanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorooctanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorononanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorodecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorotridecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorotetradecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorobutanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorohexanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorooctanesulfonic acid	1.7	U *+ cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
NEtFOSAA	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
NMeFOSAA	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluoroundecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1
Perfluorododecanoic acid	1.7	U cn	1.7		ng/L		03/14/22 09:30	03/17/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*74*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 19:45*	*1*
d5-NEtFOSAA	*101*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:37*	*1*
13C2 PFDA	*66*	*S1- cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 19:45*	*1*
13C2 PFDA	*90*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:37*	*1*
13C2 PFHxA	*89*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 19:45*	*1*
13C2 PFHxA	*91*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:37*	*1*

Client Sample ID: FTB01-220303

Date Collected: 03/03/22 09:45
Date Received: 03/04/22 10:47

Lab Sample ID: 410-75008-6

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.4	U	4.4		ng/L		03/08/22 08:44	03/10/22 17:28	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		03/08/22 08:44	03/10/22 17:28	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		03/08/22 08:44	03/10/22 17:28	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:28	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:28	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:28	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*124*		*17 - 200*	*03/08/22 08:44*	*03/10/22 17:28*	*1*
M2-8:2 FTS	*99*		*33 - 200*	*03/08/22 08:44*	*03/10/22 17:28*	*1*
13C4 PFBA	*94*		*42 - 165*	*03/08/22 08:44*	*03/10/22 17:28*	*1*
13C5 PFPeA	*100*		*38 - 187*	*03/08/22 08:44*	*03/10/22 17:28*	*1*
13C8 PFOS	*97*		*51 - 159*	*03/08/22 08:44*	*03/10/22 17:28*	*1*
13C8 FOSA	*87*		*10 - 168*	*03/08/22 08:44*	*03/10/22 17:28*	*1*
13C3 PFHxS	*106*		*28 - 188*	*03/08/22 08:44*	*03/10/22 17:28*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluoroheptanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorooctanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorononanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorodecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorotridecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorotetradecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorobutanesulfonic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorohexanesulfonic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorooctanesulfonic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
NEtFOSAA	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
NMeFOSAA	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluoroundecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1
Perfluorododecanoic acid	1.8	U cn	1.8		ng/L		03/08/22 06:10	03/11/22 20:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*80*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 20:20*	*1*
13C2 PFDA	*71*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 20:20*	*1*
13C2 PFHxA	*91*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 20:20*	*1*

Client Sample ID: LTB01-220303

Date Collected: 03/03/22 00:00
Date Received: 03/04/22 10:47

Lab Sample ID: 410-75008-7

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		03/08/22 08:44	03/10/22 17:39	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		03/08/22 08:44	03/10/22 17:39	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		03/08/22 08:44	03/10/22 17:39	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:39	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:39	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:39	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		03/08/22 08:44	03/10/22 17:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*124*		*17 - 200*	*03/08/22 08:44*	*03/10/22 17:39*	*1*
M2-8:2 FTS	*104*		*33 - 200*	*03/08/22 08:44*	*03/10/22 17:39*	*1*
13C4 PFBA	*97*		*42 - 165*	*03/08/22 08:44*	*03/10/22 17:39*	*1*
13C5 PFPeA	*101*		*38 - 187*	*03/08/22 08:44*	*03/10/22 17:39*	*1*
13C8 PFOS	*100*		*51 - 159*	*03/08/22 08:44*	*03/10/22 17:39*	*1*
13C8 FOSA	*99*		*10 - 168*	*03/08/22 08:44*	*03/10/22 17:39*	*1*
13C3 PFHxS	*109*		*28 - 188*	*03/08/22 08:44*	*03/10/22 17:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluoroheptanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorooctanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorononanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorodecanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorotridecanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorotetradecanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorobutanesulfonic acid	1.9	U *+ cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorohexanesulfonic acid	1.9	U *+ cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorooctanesulfonic acid	1.9	U *+ cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
NEtFOSAA	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
NMeFOSAA	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluoroundecanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1
Perfluorododecanoic acid	1.9	U cn	1.9		ng/L		03/14/22 09:30	03/17/22 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*76*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 20:43*	*1*
d5-NEtFOSAA	*103*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:49*	*1*
13C2 PFDA	*69*	*S1- cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 20:43*	*1*
13C2 PFDA	*104*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:49*	*1*
13C2 PFHxA	*87*	*cn*	*70 - 130*	*03/08/22 06:10*	*03/11/22 20:43*	*1*
13C2 PFHxA	*102*	*cn*	*70 - 130*	*03/14/22 09:30*	*03/17/22 17:49*	*1*

Surrogate Summary

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

Job ID: 410-75008-1
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)
410-75008-1	GAC INFLUENT	78 cn	88 cn	102 cn
410-75008-1 - DL	GAC INFLUENT	93 cn	90 cn	113 cn
410-75008-2	GAC MIDFLUENT	72 cn	67 S1- cn	86 cn
410-75008-2	GAC MIDFLUENT	102 cn	99 cn	104 cn
410-75008-3	GAC EFFLUENT	74 cn	69 S1- cn	86 cn
410-75008-3	GAC EFFLUENT	105 cn	100 cn	100 cn
410-75008-4	PV-1_50	78 cn	70 cn	88 cn
410-75008-5	PV-1_75	74 cn	66 S1- cn	89 cn
410-75008-5	PV-1_75	101 cn	90 cn	91 cn
410-75008-6	FTB01-220303	80 cn	71 cn	91 cn
410-75008-7	LTB01-220303	76 cn	69 S1- cn	87 cn
410-75008-7	LTB01-220303	103 cn	104 cn	102 cn
LCS 410-231060/2-A	Lab Control Sample	82	74	90
LCS 410-233153/2-A	Lab Control Sample	102	99	100
LCSD 410-231060/3-A	Lab Control Sample Dup	77	72	91
LCSD 410-233153/3-A	Lab Control Sample Dup	103	97	97
MB 410-231060/1-A	Method Blank	84	76	91
MB 410-233153/1-A	Method Blank	101	98	97

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: 410-75008-1
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 (17-200)	M282FTS (33-200)	PFBA (42-165)	PFPeA (38-187)	C8PFOS (51-159)	PFOSA (10-168)	C3PFHS (28-188)
410-75008-1	GAC INFLUENT	102	101	98	115	101	80	113
410-75008-2	GAC MIDFLUENT	109	94	90	100	93	95	101
410-75008-3	GAC EFFLUENT	114	96	93	96	93	95	102
410-75008-4	PV-1_50	120	95	94	98	97	89	102
410-75008-5	PV-1_75	118	102	98	110	94	106	109
410-75008-6	FTB01-220303	124	99	94	100	97	87	106
410-75008-7	LTB01-220303	124	104	97	101	100	99	109
LCS 410-231156/3-A	Lab Control Sample	112	98	91	101	96	91	103
MB 410-231156/1-A	Method Blank	127	112	102	107	107	98	110

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 410-231156/1-A
Matrix: Water
Analysis Batch: 232269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231156

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		03/08/22 08:44	03/10/22 15:59	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		03/08/22 08:44	03/10/22 15:59	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		03/08/22 08:44	03/10/22 15:59	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		03/08/22 08:44	03/10/22 15:59	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		03/08/22 08:44	03/10/22 15:59	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		03/08/22 08:44	03/10/22 15:59	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		03/08/22 08:44	03/10/22 15:59	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*127*		*17 - 200*	*03/08/22 08:44*	*03/10/22 15:59*	*1*
M2-8:2 FTS	*112*		*33 - 200*	*03/08/22 08:44*	*03/10/22 15:59*	*1*
13C4 PFBA	*102*		*42 - 165*	*03/08/22 08:44*	*03/10/22 15:59*	*1*
13C5 PFPeA	*107*		*38 - 187*	*03/08/22 08:44*	*03/10/22 15:59*	*1*
13C8 PFOS	*107*		*51 - 159*	*03/08/22 08:44*	*03/10/22 15:59*	*1*
13C8 FOSA	*98*		*10 - 168*	*03/08/22 08:44*	*03/10/22 15:59*	*1*
13C3 PFHxS	*110*		*28 - 188*	*03/08/22 08:44*	*03/10/22 15:59*	*1*

Lab Sample ID: LCS 410-231156/3-A
Matrix: Water
Analysis Batch: 232269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231156

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	25.4		ng/L		105	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	28.6		ng/L		117	55 - 138		
Perfluorobutanoic acid			25.6	28.7		ng/L		112	59 - 136		
Perfluorodecanesulfonic acid			24.7	25.4		ng/L		103	55 - 137		
Perfluoroheptanesulfonic acid			24.4	26.3		ng/L		108	56 - 140		
Perfluorooctanesulfonamide			25.6	29.6		ng/L		116	43 - 167		
Perfluoropentanoic acid			25.6	25.0		ng/L		98	57 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*112*		*17 - 200*
M2-8:2 FTS	*98*		*33 - 200*
13C4 PFBA	*91*		*42 - 165*
13C5 PFPeA	*101*		*38 - 187*
13C8 PFOS	*96*		*51 - 159*
13C8 FOSA	*91*		*10 - 168*
13C3 PFHxS	*103*		*28 - 188*

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

Lab Sample ID: MB 410-231060/1-A
Matrix: Water
Analysis Batch: 232568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231060

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1

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

Lab Sample ID: MB 410-231060/1-A
Matrix: Water
Analysis Batch: 232568

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 231060

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
NEtFOSAA	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
NMeFOSAA	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		03/08/22 06:10	03/11/22 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*84*		*70 - 130*	*03/08/22 06:10*	*03/11/22 17:27*	*1*
13C2 PFDA	*76*		*70 - 130*	*03/08/22 06:10*	*03/11/22 17:27*	*1*
13C2 PFHxA	*91*		*70 - 130*	*03/08/22 06:10*	*03/11/22 17:27*	*1*

Lab Sample ID: LCS 410-231060/2-A
Matrix: Water
Analysis Batch: 232568

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 231060

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	21.7		ng/L		106	70 - 130		
Perfluoroheptanoic acid			20.5	21.0		ng/L		102	70 - 130		
Perfluorooctanoic acid			20.5	19.7		ng/L		96	70 - 130		
Perfluorononanoic acid			20.5	18.2		ng/L		89	70 - 130		
Perfluorodecanoic acid			20.5	17.6		ng/L		86	70 - 130		
Perfluorotridecanoic acid			20.5	17.0		ng/L		83	70 - 130		
Perfluorotetradecanoic acid			20.5	16.5		ng/L		80	70 - 130		
Perfluorobutanesulfonic acid			18.1	19.7		ng/L		109	70 - 130		
Perfluorohexanesulfonic acid			18.7	19.2		ng/L		103	70 - 130		
Perfluorooctanesulfonic acid			19.0	18.9		ng/L		100	70 - 130		
NEtFOSAA			20.5	19.2		ng/L		94	70 - 130		
NMeFOSAA			20.5	18.1		ng/L		89	70 - 130		
Perfluoroundecanoic acid			20.5	18.2		ng/L		89	70 - 130		
Perfluorododecanoic acid			20.5	19.3		ng/L		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*82*		*70 - 130*
13C2 PFDA	*74*		*70 - 130*
13C2 PFHxA	*90*		*70 - 130*

Lab Sample ID: LCSD 410-231060/3-A
Matrix: Water
Analysis Batch: 232568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 231060

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	22.5		ng/L		110	70 - 130	4	30

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

Lab Sample ID: LCSD 410-231060/3-A
Matrix: Water
Analysis Batch: 232568

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 231060

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroheptanoic acid			20.5	21.6		ng/L		105	70 - 130	3	30
Perfluorooctanoic acid			20.5	19.4		ng/L		95	70 - 130	2	30
Perfluorononanoic acid			20.5	18.4		ng/L		90	70 - 130	1	30
Perfluorodecanoic acid			20.5	18.0		ng/L		88	70 - 130	2	30
Perfluorotridecanoic acid			20.5	17.4		ng/L		85	70 - 130	2	30
Perfluorotetradecanoic acid			20.5	16.5		ng/L		80	70 - 130	0	30
Perfluorobutanesulfonic acid			18.1	19.3		ng/L		106	70 - 130	2	30
Perfluorohexanesulfonic acid			18.7	19.2		ng/L		103	70 - 130	0	30
Perfluorooctanesulfonic acid			19.0	19.2		ng/L		101	70 - 130	1	30
NEtFOSAA			20.5	19.1		ng/L		93	70 - 130	1	30
NMeFOSAA			20.5	17.6		ng/L		86	70 - 130	3	30
Perfluoroundecanoic acid			20.5	17.6		ng/L		86	70 - 130	3	30
Perfluorododecanoic acid			20.5	17.6		ng/L		86	70 - 130	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*77*		*70 - 130*
13C2 PFDA	*72*		*70 - 130*
13C2 PFHxA	*91*		*70 - 130*

Lab Sample ID: MB 410-233153/1-A
Matrix: Water
Analysis Batch: 234609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 233153

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
NEtFOSAA	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
NMeFOSAA	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		03/14/22 09:30	03/17/22 16:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*101*		*70 - 130*	*03/14/22 09:30*	*03/17/22 16:27*	*1*
13C2 PFDA	*98*		*70 - 130*	*03/14/22 09:30*	*03/17/22 16:27*	*1*
13C2 PFHxA	*97*		*70 - 130*	*03/14/22 09:30*	*03/17/22 16:27*	*1*

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

Lab Sample ID: LCS 410-233153/2-A
Matrix: Water
Analysis Batch: 234609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 233153

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			20.5	25.3		ng/L		123	70 - 130		
Perfluoroheptanoic acid			20.5	25.5		ng/L		124	70 - 130		
Perfluorooctanoic acid			20.5	25.9		ng/L		127	70 - 130		
Perfluorononanoic acid			20.5	25.3		ng/L		123	70 - 130		
Perfluorodecanoic acid			20.5	25.5		ng/L		125	70 - 130		
Perfluorotridecanoic acid			20.5	23.7		ng/L		116	70 - 130		
Perfluorotetradecanoic acid			20.5	24.0		ng/L		117	70 - 130		
Perfluorobutanesulfonic acid			18.1	23.2		ng/L		128	70 - 130		
Perfluorohexanesulfonic acid			18.7	23.7		ng/L		127	70 - 130		
Perfluorooctanesulfonic acid			19.0	23.8		ng/L		126	70 - 130		
NEtFOSAA			20.5	25.6		ng/L		125	70 - 130		
NMeFOSAA			20.5	25.8		ng/L		126	70 - 130		
Perfluoroundecanoic acid			20.5	25.1		ng/L		122	70 - 130		
Perfluorododecanoic acid			20.5	24.5		ng/L		120	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*102*		*70 - 130*
13C2 PFDA	*99*		*70 - 130*
13C2 PFHxA	*100*		*70 - 130*

Lab Sample ID: LCSD 410-233153/3-A
Matrix: Water
Analysis Batch: 234609

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 233153

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	24.5		ng/L		120	70 - 130	3	30
Perfluoroheptanoic acid			20.5	25.3		ng/L		124	70 - 130	0	30
Perfluorooctanoic acid			20.5	25.3		ng/L		124	70 - 130	2	30
Perfluorononanoic acid			20.5	25.4		ng/L		124	70 - 130	1	30
Perfluorodecanoic acid			20.5	24.8		ng/L		121	70 - 130	3	30
Perfluorotridecanoic acid			20.5	23.9		ng/L		117	70 - 130	1	30
Perfluorotetradecanoic acid			20.5	23.8		ng/L		116	70 - 130	1	30
Perfluorobutanesulfonic acid			18.1	23.7	*+	ng/L		131	70 - 130	2	30
Perfluorohexanesulfonic acid			18.7	24.9	*+	ng/L		133	70 - 130	5	30
Perfluorooctanesulfonic acid			19.0	25.4	*+	ng/L		134	70 - 130	7	30
NEtFOSAA			20.5	26.3		ng/L		129	70 - 130	3	30
NMeFOSAA			20.5	26.0		ng/L		127	70 - 130	1	30
Perfluoroundecanoic acid			20.5	24.9		ng/L		122	70 - 130	1	30
Perfluorododecanoic acid			20.5	24.2		ng/L		118	70 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*103*		*70 - 130*
13C2 PFDA	*97*		*70 - 130*
13C2 PFHxA	*97*		*70 - 130*

LCMS

Prep Batch: 231060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-75008-1 - DL	GAC INFLUENT	Total/NA	Water	537 DW	
410-75008-1	GAC INFLUENT	Total/NA	Water	537 DW	
410-75008-2	GAC MIDFLUENT	Total/NA	Water	537 DW	
410-75008-3	GAC EFFLUENT	Total/NA	Water	537 DW	
410-75008-4	PV-1_50	Total/NA	Water	537 DW	
410-75008-5	PV-1_75	Total/NA	Water	537 DW	
410-75008-6	FTB01-220303	Total/NA	Water	537 DW	
410-75008-7	LTB01-220303	Total/NA	Water	537 DW	
MB 410-231060/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-231060/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-231060/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Prep Batch: 231156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-75008-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	
410-75008-2	GAC MIDFLUENT	Total/NA	Water	537 (Mod)	
410-75008-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	
410-75008-4	PV-1_50	Total/NA	Water	537 (Mod)	
410-75008-5	PV-1_75	Total/NA	Water	537 (Mod)	
410-75008-6	FTB01-220303	Total/NA	Water	537 (Mod)	
410-75008-7	LTB01-220303	Total/NA	Water	537 (Mod)	
MB 410-231156/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-231156/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Analysis Batch: 232269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-75008-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	231156
410-75008-2	GAC MIDFLUENT	Total/NA	Water	537 (Mod)	231156
410-75008-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	231156
410-75008-4	PV-1_50	Total/NA	Water	537 (Mod)	231156
410-75008-5	PV-1_75	Total/NA	Water	537 (Mod)	231156
410-75008-6	FTB01-220303	Total/NA	Water	537 (Mod)	231156
410-75008-7	LTB01-220303	Total/NA	Water	537 (Mod)	231156
MB 410-231156/1-A	Method Blank	Total/NA	Water	537 (Mod)	231156
LCS 410-231156/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	231156

Analysis Batch: 232568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-75008-1	GAC INFLUENT	Total/NA	Water	537 DW	231060
410-75008-1 - DL	GAC INFLUENT	Total/NA	Water	537 DW	231060
410-75008-2	GAC MIDFLUENT	Total/NA	Water	537 DW	231060
410-75008-3	GAC EFFLUENT	Total/NA	Water	537 DW	231060
410-75008-4	PV-1_50	Total/NA	Water	537 DW	231060
410-75008-5	PV-1_75	Total/NA	Water	537 DW	231060
410-75008-6	FTB01-220303	Total/NA	Water	537 DW	231060
410-75008-7	LTB01-220303	Total/NA	Water	537 DW	231060
MB 410-231060/1-A	Method Blank	Total/NA	Water	537 DW	231060
LCS 410-231060/2-A	Lab Control Sample	Total/NA	Water	537 DW	231060
LCSD 410-231060/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	231060

QC Association Summary

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

Job ID: 410-75008-1
SDG: HOO

LCMS

Prep Batch: 233153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-75008-2	GAC MIDFLUENT	Total/NA	Water	537 DW	
410-75008-3	GAC EFFLUENT	Total/NA	Water	537 DW	
410-75008-5	PV-1_75	Total/NA	Water	537 DW	
410-75008-7	LTB01-220303	Total/NA	Water	537 DW	
MB 410-233153/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-233153/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-233153/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 234609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-75008-2	GAC MIDFLUENT	Total/NA	Water	537 DW	233153
410-75008-3	GAC EFFLUENT	Total/NA	Water	537 DW	233153
410-75008-5	PV-1_75	Total/NA	Water	537 DW	233153
410-75008-7	LTB01-220303	Total/NA	Water	537 DW	233153
MB 410-233153/1-A	Method Blank	Total/NA	Water	537 DW	233153
LCS 410-233153/2-A	Lab Control Sample	Total/NA	Water	537 DW	233153
LCSD 410-233153/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	233153

Lab Chronicle

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

Job ID: 410-75008-1
SDG: HOO

Client Sample ID: GAC INFLUENT
Lab Sample ID: 410-75008-1
Date Collected: 03/03/22 09:25
Matrix: Water
Date Received: 03/04/22 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			231156	03/08/22 08:44	RC3V	ELLE
Total/NA	Analysis	537 (Mod)		1	232269	03/10/22 16:33	I5JH	ELLE
Total/NA	Prep	537 DW			231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW		1	232568	03/11/22 18:13	DCS9	ELLE
Total/NA	Prep	537 DW	DL		231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW	DL	10	232568	03/11/22 18:25	DCS9	ELLE

Client Sample ID: GAC MIDFLUENT
Lab Sample ID: 410-75008-2
Date Collected: 03/03/22 09:30
Matrix: Water
Date Received: 03/04/22 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			231156	03/08/22 08:44	RC3V	ELLE
Total/NA	Analysis	537 (Mod)		1	232269	03/10/22 16:44	I5JH	ELLE
Total/NA	Prep	537 DW			231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW		1	232568	03/11/22 18:36	DCS9	ELLE
Total/NA	Prep	537 DW			233153	03/14/22 09:30	S7AC	ELLE
Total/NA	Analysis	537 DW		1	234609	03/17/22 17:14	VK3G	ELLE

Client Sample ID: GAC EFFLUENT
Lab Sample ID: 410-75008-3
Date Collected: 03/03/22 09:35
Matrix: Water
Date Received: 03/04/22 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			231156	03/08/22 08:44	RC3V	ELLE
Total/NA	Analysis	537 (Mod)		1	232269	03/10/22 16:55	I5JH	ELLE
Total/NA	Prep	537 DW			231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW		1	232568	03/11/22 18:59	DCS9	ELLE
Total/NA	Prep	537 DW			233153	03/14/22 09:30	S7AC	ELLE
Total/NA	Analysis	537 DW		1	234609	03/17/22 17:26	VK3G	ELLE

Client Sample ID: PV-1_50
Lab Sample ID: 410-75008-4
Date Collected: 03/03/22 09:40
Matrix: Water
Date Received: 03/04/22 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			231156	03/08/22 08:44	RC3V	ELLE
Total/NA	Analysis	537 (Mod)		1	232269	03/10/22 17:06	I5JH	ELLE
Total/NA	Prep	537 DW			231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW		1	232568	03/11/22 19:22	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-75008-1
SDG: HOO

Client Sample ID: PV-1_75

Lab Sample ID: 410-75008-5
Date Collected: 03/03/22 09:43
Matrix: Water
Date Received: 03/04/22 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			231156	03/08/22 08:44	RC3V	ELLE
Total/NA	Analysis	537 (Mod)		1	232269	03/10/22 17:17	I5JH	ELLE
Total/NA	Prep	537 DW			231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW		1	232568	03/11/22 19:45	DCS9	ELLE
Total/NA	Prep	537 DW			233153	03/14/22 09:30	S7AC	ELLE
Total/NA	Analysis	537 DW		1	234609	03/17/22 17:37	VK3G	ELLE

Client Sample ID: FTB01-220303

Lab Sample ID: 410-75008-6
Date Collected: 03/03/22 09:45
Matrix: Water
Date Received: 03/04/22 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			231156	03/08/22 08:44	RC3V	ELLE
Total/NA	Analysis	537 (Mod)		1	232269	03/10/22 17:28	I5JH	ELLE
Total/NA	Prep	537 DW			231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW		1	232568	03/11/22 20:20	DCS9	ELLE

Client Sample ID: LTB01-220303

Lab Sample ID: 410-75008-7
Date Collected: 03/03/22 00:00
Matrix: Water
Date Received: 03/04/22 10:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			231156	03/08/22 08:44	RC3V	ELLE
Total/NA	Analysis	537 (Mod)		1	232269	03/10/22 17:39	I5JH	ELLE
Total/NA	Prep	537 DW			231060	03/08/22 06:10	GK2L	ELLE
Total/NA	Analysis	537 DW		1	232568	03/11/22 20:43	DCS9	ELLE
Total/NA	Prep	537 DW			233153	03/14/22 09:30	S7AC	ELLE
Total/NA	Analysis	537 DW		1	234609	03/17/22 17:49	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: 410-75008-1
SDG: HOO

Laboratory: Eurofins Lancaster Laboratories Env, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

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

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

Method Summary

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

Job ID: 410-75008-1
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: 410-75008-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-75008-1	GAC INFLUENT	Water	03/03/22 09:25	03/04/22 10:47
410-75008-2	GAC MIDFLUENT	Water	03/03/22 09:30	03/04/22 10:47
410-75008-3	GAC EFFLUENT	Water	03/03/22 09:35	03/04/22 10:47
410-75008-4	PV-1_50	Water	03/03/22 09:40	03/04/22 10:47
410-75008-5	PV-1_75	Water	03/03/22 09:43	03/04/22 10:47
410-75008-6	FTB01-220303	Water	03/03/22 09:45	03/04/22 10:47
410-75008-7	LTB01-220303	Water	03/03/22 00:00	03/04/22 10:47

410-75008 Chain of Custody

.LC

Chain of Custody Record

eurofins Environment Testing America

Client Contact: Jonathan Dippert, Kirk Moline	Sampler: C. Ormsby	Lab PM: Hobart, Paul	Carrier Tracking No(s):	COC No: 410-42494-12960.2
Company: CT Male Associates DPC	Phone:	E-Mail: Paul.Hobart@Eurofinset.com	State of Origin: NY	Page: Page 1 of 2
Address: 50 Century Hill Dr	PWSID:	Due Date Requested:	Analysis Requested	Job #:
City: Latham		TAT Requested (days): Standard		Preservation Codes: 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 - other (specify)
State, Zip: NY, 12110		Compliance Project: Δ Yes Δ No		
Phone:		PO #: Purchase Order not required		Other: NaOH
Email: j dippert@ctmale.com, K. Moline@ctmale.com		WO #:		
Project Name: Hoosick Falls WTP		Project #: 41000511		
Site:		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:
			Preservation Code:		N	N	HAZ		
GAC INFLUENT	3/3/22	0925	G	Water	N	N	X	X	PFAS Bottle at collection time
GAC MIDFLUENT		0930		Water	N	N	X	X	
GAC EFFLUENT		0935		Water	N	N	X	X	
PV-1_50		0940		Water	N	N	X	X	
PV-1_75		0943			N	N	X	X	
FTB01-220303		0945			N	N	X	X	Field Blank
LTB01-220303		—			N	N	X	X	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: 3/3/22 1630	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: 3/4/22 1107	Company: ENVS

Custody Seals Intact: X Yes Δ No | Custody Seal No: 128994

Cooler Temperature(s) °C and Other Remarks: 1.1°C

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-75008-1
SDG Number: HOO

Login Number: 75008
List Number: 1
Creator: Renner, Melissa

List Source: Eurofins Lancaster Laboratories Env, LLC

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