eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 410-93420-1
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:
8/24/2022 7:43:14 AM

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

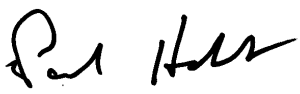
Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· 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
8/24/2022 7:43:14 AM

Table of Contents

Definitions/Glossary

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

Job ID: 410-93420-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
cn	Refer to Case Narrative for further detail
S1+	Surrogate recovery exceeds control limits, high 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: 410-93420-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-93420-1

Receipt
The samples were received on 8/4/2022 10:08 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C

PFAS
Method 537_DW: The recovery for a target analyte: Perfluorobutanesulfonic acid in the laboratory control spike samples duplicate associated with the following samples: GAC Influent (410-93420-1), GAC Midfluent (410-93420-2), GAC Effluent (410-93420-3), PV-2_25 (410-93420-4), PV-2_50 (410-93420-5), PV-2_75 (410-93420-6), FTB01-220803 (410-93420-7) and LTB01-220803 (410-93420-8) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted outside the required holding time and the recovery for a target analyte(s) in the laboratory control spike sample(s) is within the QC acceptance limits.

Method 537_DW: The recovery for the labeled isotope(s) 13C2 PFHxA in the following sample: GAC Influent (410-93420-1) are outside the QC acceptance limits. The following action was taken: This sample was re-extracted outside of the required holding time and the recovery for labeled isotope(s) was within 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: 410-93420-1
SDG: HOO

Client Sample ID: GAC Influent — Lab Sample ID: 410-93420-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide	3.2		1.7		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.7		1.7		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	9.8		1.7		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	11		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.3		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	380		17		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midfluent — Lab Sample ID: 410-93420-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	5.6		4.2		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: GAC Effluent — Lab Sample ID: 410-93420-3

No Detections.

Client Sample ID: PV-2_25 — Lab Sample ID: 410-93420-4

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

Client Sample ID: PV-2_50 — Lab Sample ID: 410-93420-5

No Detections.

Client Sample ID: PV-2_75 — Lab Sample ID: 410-93420-6

No Detections.

Client Sample ID: FTB01-220803 — Lab Sample ID: 410-93420-7

No Detections.

Client Sample ID: LTB01-220803 — Lab Sample ID: 410-93420-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: GAC Influent

Date Collected: 08/03/22 09:35
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		08/10/22 07:26	08/20/22 15:53	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		08/10/22 07:26	08/20/22 15:53	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		08/10/22 07:26	08/20/22 15:53	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 07:26	08/20/22 15:53	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 07:26	08/20/22 15:53	1
Perfluorooctanesulfonamide	**3.2**		1.7		ng/L		08/10/22 07:26	08/20/22 15:53	1
Perfluoropentanoic acid	**2.7**		1.7		ng/L		08/10/22 07:26	08/20/22 15:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*132*		*17 - 200*	*08/10/22 07:26*	*08/20/22 15:53*	*1*
M2-8:2 FTS	*148*		*33 - 200*	*08/10/22 07:26*	*08/20/22 15:53*	*1*
13C4 PFBA	*116*		*42 - 165*	*08/10/22 07:26*	*08/20/22 15:53*	*1*
13C5 PFPeA	*127*		*38 - 187*	*08/10/22 07:26*	*08/20/22 15:53*	*1*
13C8 PFOS	*113*		*51 - 159*	*08/10/22 07:26*	*08/20/22 15:53*	*1*
13C8 FOSA	*95*		*10 - 168*	*08/10/22 07:26*	*08/20/22 15:53*	*1*
13C3 PFHxS	*129*		*28 - 188*	*08/10/22 07:26*	*08/20/22 15:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**9.8**		1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluoroheptanoic acid	**11**		1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorobutanesulfonic acid	1.7	U *- cn	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorooctanesulfonic acid	**3.3**		1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
NEtFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
NMeFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*110*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:12*	*1*
13C2 PFDA	*124*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:12*	*1*
13C2 PFHxA	*131*	*S1+ cn*	*70 - 130*	*08/08/22 07:14*	*08/18/22 15:12*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**380**		17		ng/L		08/08/22 07:14	08/19/22 12:05	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*114*		*70 - 130*	*08/08/22 07:14*	*08/19/22 12:05*	*10*
13C2 PFDA	*103*		*70 - 130*	*08/08/22 07:14*	*08/19/22 12:05*	*10*
13C2 PFHxA	*117*	*cn*	*70 - 130*	*08/08/22 07:14*	*08/19/22 12:05*	*10*

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

Job ID: 410-93420-1
SDG: HOO

Client Sample ID: GAC Midfluent
Date Collected: 08/03/22 09:38
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-2
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	4.2	U	4.2		ng/L		08/10/22 07:26	08/20/22 16:05	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		08/10/22 07:26	08/20/22 16:05	1
Perfluorobutanoic acid	**5.6**		4.2		ng/L		08/10/22 07:26	08/20/22 16:05	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 07:26	08/20/22 16:05	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 07:26	08/20/22 16:05	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		08/10/22 07:26	08/20/22 16:05	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		08/10/22 07:26	08/20/22 16:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*117*		*17 - 200*	*08/10/22 07:26*	*08/20/22 16:05*	*1*
M2-8:2 FTS	*116*		*33 - 200*	*08/10/22 07:26*	*08/20/22 16:05*	*1*
13C4 PFBA	*112*		*42 - 165*	*08/10/22 07:26*	*08/20/22 16:05*	*1*
13C5 PFPeA	*112*		*38 - 187*	*08/10/22 07:26*	*08/20/22 16:05*	*1*
13C8 PFOS	*107*		*51 - 159*	*08/10/22 07:26*	*08/20/22 16:05*	*1*
13C8 FOSA	*107*		*10 - 168*	*08/10/22 07:26*	*08/20/22 16:05*	*1*
13C3 PFHxS	*115*		*28 - 188*	*08/10/22 07:26*	*08/20/22 16:05*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorobutanesulfonic acid	1.7	U *- cn	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
NEtFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
NMeFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*84*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:24*	*1*
13C2 PFDA	*103*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:24*	*1*
13C2 PFHxA	*110*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:24*	*1*

Client Sample ID: GAC Effluent

Date Collected: 08/03/22 09:42
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.4	U	4.4		ng/L		08/10/22 16:24	08/13/22 06:48	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		08/10/22 16:24	08/13/22 06:48	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		08/10/22 16:24	08/13/22 06:48	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 06:48	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 06:48	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 06:48	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 06:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*131*		*17 - 200*	*08/10/22 16:24*	*08/13/22 06:48*	*1*
M2-8:2 FTS	*120*		*33 - 200*	*08/10/22 16:24*	*08/13/22 06:48*	*1*
13C4 PFBA	*117*		*42 - 165*	*08/10/22 16:24*	*08/13/22 06:48*	*1*
13C5 PFPeA	*124*		*38 - 187*	*08/10/22 16:24*	*08/13/22 06:48*	*1*
13C8 PFOS	*125*		*51 - 159*	*08/10/22 16:24*	*08/13/22 06:48*	*1*
13C8 FOSA	*102*		*10 - 168*	*08/10/22 16:24*	*08/13/22 06:48*	*1*
13C3 PFHxS	*129*		*28 - 188*	*08/10/22 16:24*	*08/13/22 06:48*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorobutanesulfonic acid	1.7	U *- cn	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
NEtFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
NMeFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*88*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:35*	*1*
13C2 PFDA	*103*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:35*	*1*
13C2 PFHxA	*111*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:35*	*1*

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

Job ID: 410-93420-1
SDG: HOO

Client Sample ID: PV-2_25
Date Collected: 08/03/22 09:50
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		08/10/22 16:24	08/13/22 07:00	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		08/10/22 16:24	08/13/22 07:00	1
Perfluorobutanoic acid	**4.9**		4.3		ng/L		08/10/22 16:24	08/13/22 07:00	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:00	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:00	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:00	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*124*		*17 - 200*	*08/10/22 16:24*	*08/13/22 07:00*	*1*
M2-8:2 FTS	*120*		*33 - 200*	*08/10/22 16:24*	*08/13/22 07:00*	*1*
13C4 PFBA	*113*		*42 - 165*	*08/10/22 16:24*	*08/13/22 07:00*	*1*
13C5 PFPeA	*116*		*38 - 187*	*08/10/22 16:24*	*08/13/22 07:00*	*1*
13C8 PFOS	*119*		*51 - 159*	*08/10/22 16:24*	*08/13/22 07:00*	*1*
13C8 FOSA	*94*		*10 - 168*	*08/10/22 16:24*	*08/13/22 07:00*	*1*
13C3 PFHxS	*119*		*28 - 188*	*08/10/22 16:24*	*08/13/22 07:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorobutanesulfonic acid	1.7	U *- cn	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
NEtFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
NMeFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:47*	*1*
13C2 PFDA	*104*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:47*	*1*
13C2 PFHxA	*107*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:47*	*1*

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

Job ID: 410-93420-1
SDG: HOO

Client Sample ID: PV-2_50
Date Collected: 08/03/22 09:54
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-5
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		08/10/22 16:24	08/13/22 07:11	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		08/10/22 16:24	08/13/22 07:11	1
Perfluorobutanoic acid	4.2	U	4.2		ng/L		08/10/22 16:24	08/13/22 07:11	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:11	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:11	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:11	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*140*		*17 - 200*	*08/10/22 16:24*	*08/13/22 07:11*	*1*
M2-8:2 FTS	*134*		*33 - 200*	*08/10/22 16:24*	*08/13/22 07:11*	*1*
13C4 PFBA	*133*		*42 - 165*	*08/10/22 16:24*	*08/13/22 07:11*	*1*
13C5 PFPeA	*134*		*38 - 187*	*08/10/22 16:24*	*08/13/22 07:11*	*1*
13C8 PFOS	*128*		*51 - 159*	*08/10/22 16:24*	*08/13/22 07:11*	*1*
13C8 FOSA	*121*		*10 - 168*	*08/10/22 16:24*	*08/13/22 07:11*	*1*
13C3 PFHxS	*138*		*28 - 188*	*08/10/22 16:24*	*08/13/22 07:11*	*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		08/08/22 07:14	08/18/22 15:58	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorobutanesulfonic acid	1.7	U *- cn	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
NEtFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
NMeFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*88*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:58*	*1*
13C2 PFDA	*100*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:58*	*1*
13C2 PFHxA	*106*		*70 - 130*	*08/08/22 07:14*	*08/18/22 15:58*	*1*

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

Job ID: 410-93420-1
SDG: HOO

Client Sample ID: PV-2_75
Date Collected: 08/03/22 09:57
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-6
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	4.1	U	4.1		ng/L		08/10/22 16:24	08/13/22 07:22	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		08/10/22 16:24	08/13/22 07:22	1
Perfluorobutanoic acid	4.1	U	4.1		ng/L		08/10/22 16:24	08/13/22 07:22	1
Perfluorodecanesulfonic acid	1.6	U	1.6		ng/L		08/10/22 16:24	08/13/22 07:22	1
Perfluoroheptanesulfonic acid	1.6	U	1.6		ng/L		08/10/22 16:24	08/13/22 07:22	1
Perfluorooctanesulfonamide	1.6	U	1.6		ng/L		08/10/22 16:24	08/13/22 07:22	1
Perfluoropentanoic acid	1.6	U	1.6		ng/L		08/10/22 16:24	08/13/22 07:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*131*		*17 - 200*	*08/10/22 16:24*	*08/13/22 07:22*	*1*
M2-8:2 FTS	*126*		*33 - 200*	*08/10/22 16:24*	*08/13/22 07:22*	*1*
13C4 PFBA	*124*		*42 - 165*	*08/10/22 16:24*	*08/13/22 07:22*	*1*
13C5 PFPeA	*128*		*38 - 187*	*08/10/22 16:24*	*08/13/22 07:22*	*1*
13C8 PFOS	*127*		*51 - 159*	*08/10/22 16:24*	*08/13/22 07:22*	*1*
13C8 FOSA	*113*		*10 - 168*	*08/10/22 16:24*	*08/13/22 07:22*	*1*
13C3 PFHxS	*125*		*28 - 188*	*08/10/22 16:24*	*08/13/22 07:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorobutanesulfonic acid	1.7	U *- cn	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
NEtFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
NMeFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/18/22 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*08/08/22 07:14*	*08/18/22 16:10*	*1*
13C2 PFDA	*108*		*70 - 130*	*08/08/22 07:14*	*08/18/22 16:10*	*1*
13C2 PFHxA	*112*		*70 - 130*	*08/08/22 07:14*	*08/18/22 16:10*	*1*

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

Job ID: 410-93420-1
SDG: HOO

Client Sample ID: FTB01-220803
Date Collected: 08/03/22 10:05
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-7
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	4.3	U	4.3		ng/L		08/10/22 16:24	08/13/22 07:33	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		08/10/22 16:24	08/13/22 07:33	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		08/10/22 16:24	08/13/22 07:33	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:33	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:33	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:33	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		08/10/22 16:24	08/13/22 07:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*129*		*17 - 200*	*08/10/22 16:24*	*08/13/22 07:33*	*1*
M2-8:2 FTS	*113*		*33 - 200*	*08/10/22 16:24*	*08/13/22 07:33*	*1*
13C4 PFBA	*122*		*42 - 165*	*08/10/22 16:24*	*08/13/22 07:33*	*1*
13C5 PFPeA	*123*		*38 - 187*	*08/10/22 16:24*	*08/13/22 07:33*	*1*
13C8 PFOS	*124*		*51 - 159*	*08/10/22 16:24*	*08/13/22 07:33*	*1*
13C8 FOSA	*106*		*10 - 168*	*08/10/22 16:24*	*08/13/22 07:33*	*1*
13C3 PFHxS	*129*		*28 - 188*	*08/10/22 16:24*	*08/13/22 07:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorobutanesulfonic acid	1.7	U *- cn	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
NEtFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
NMeFOSAA	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		08/08/22 07:14	08/23/22 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*92*		*70 - 130*	*08/08/22 07:14*	*08/23/22 18:28*	*1*
13C2 PFDA	*109*		*70 - 130*	*08/08/22 07:14*	*08/23/22 18:28*	*1*
13C2 PFHxA	*113*		*70 - 130*	*08/08/22 07:14*	*08/23/22 18:28*	*1*

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

Job ID: 410-93420-1
SDG: HOO

Client Sample ID: LTB01-220803
Date Collected: 08/03/22 00:00
Date Received: 08/04/22 10:08

Lab Sample ID: 410-93420-8
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.5	U	4.5		ng/L		08/10/22 16:24	08/13/22 07:44	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		08/10/22 16:24	08/13/22 07:44	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		08/10/22 16:24	08/13/22 07:44	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 07:44	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 07:44	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 07:44	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		08/10/22 16:24	08/13/22 07:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*165*		*17 - 200*	*08/10/22 16:24*	*08/13/22 07:44*	*1*
M2-8:2 FTS	*153*		*33 - 200*	*08/10/22 16:24*	*08/13/22 07:44*	*1*
13C4 PFBA	*156*		*42 - 165*	*08/10/22 16:24*	*08/13/22 07:44*	*1*
13C5 PFPeA	*154*		*38 - 187*	*08/10/22 16:24*	*08/13/22 07:44*	*1*
13C8 PFOS	*154*		*51 - 159*	*08/10/22 16:24*	*08/13/22 07:44*	*1*
13C8 FOSA	*129*		*10 - 168*	*08/10/22 16:24*	*08/13/22 07:44*	*1*
13C3 PFHxS	*151*		*28 - 188*	*08/10/22 16:24*	*08/13/22 07:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorobutanesulfonic acid	1.8	U *- cn	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
NEtFOSAA	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
NMeFOSAA	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		08/08/22 07:14	08/18/22 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*109*		*70 - 130*	*08/08/22 07:14*	*08/18/22 16:33*	*1*
13C2 PFDA	*111*		*70 - 130*	*08/08/22 07:14*	*08/18/22 16:33*	*1*
13C2 PFHxA	*102*		*70 - 130*	*08/08/22 07:14*	*08/18/22 16:33*	*1*

Surrogate Summary

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

Job ID: 410-93420-1
SDG: HOO

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

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

		Percent Surrogate Recovery (Acceptance Limits)								
		d5NEFOS	PFDA	PFHxA						
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)						
410-93420-1	GAC Influent	110	124	131 S1+ cn						
410-93420-1 - DL	GAC Influent	114	103	117 cn						
410-93420-2	GAC Midfluent	84	103	110						
410-93420-3	GAC Effluent	88	103	111						
410-93420-4	PV-2_25	96	104	107						
410-93420-5	PV-2_50	88	100	106						
410-93420-6	PV-2_75	96	108	112						
410-93420-7	FTB01-220803	92	109	113						
410-93420-8	LTB01-220803	109	111	102						
LCS 410-283660/2-A	Lab Control Sample	96	106	106						
LCSD 410-283660/3-A	Lab Control Sample Dup	104	99	91						
MB 410-283660/1-A	Method Blank	102	107	105						

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: 410-93420-1
SDG: HOO

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

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)						
		M262FTS	M282FTS	PFBA	PFPeA	C8PFOS	PFOSA	C3PFHS
Lab Sample ID	Client Sample ID	(17-200)	(33-200)	(42-165)	(38-187)	(51-159)	(10-168)	(28-188)
410-93420-1	GAC Influent	132	148	116	127	113	95	129
410-93420-2	GAC Midfluent	117	116	112	112	107	107	115
410-93420-3	GAC Effluent	131	120	117	124	125	102	129
410-93420-4	PV-2_25	124	120	113	116	119	94	119
410-93420-5	PV-2_50	140	134	133	134	128	121	138
410-93420-6	PV-2_75	131	126	124	128	127	113	125
410-93420-7	FTB01-220803	129	113	122	123	124	106	129
410-93420-8	LTB01-220803	165	153	156	154	154	129	151
LCS 410-284476/3-A	Lab Control Sample	106	111	109	111	105	97	107
LCS 410-284791/2-A	Lab Control Sample	131	128	131	132	132	109	131
MB 410-284476/1-A	Method Blank	123	121	120	124	114	103	112
MB 410-284791/1-A	Method Blank	141	131	125	122	124	103	129

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 410-284476/1-A
Matrix: Water
Analysis Batch: 287836

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 284476

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		08/10/22 07:26	08/20/22 15:20	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		08/10/22 07:26	08/20/22 15:20	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		08/10/22 07:26	08/20/22 15:20	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		08/10/22 07:26	08/20/22 15:20	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		08/10/22 07:26	08/20/22 15:20	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		08/10/22 07:26	08/20/22 15:20	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		08/10/22 07:26	08/20/22 15:20	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*123*		*17 - 200*	*08/10/22 07:26*	*08/20/22 15:20*	*1*
M2-8:2 FTS	*121*		*33 - 200*	*08/10/22 07:26*	*08/20/22 15:20*	*1*
13C4 PFBA	*120*		*42 - 165*	*08/10/22 07:26*	*08/20/22 15:20*	*1*
13C5 PFPeA	*124*		*38 - 187*	*08/10/22 07:26*	*08/20/22 15:20*	*1*
13C8 PFOS	*114*		*51 - 159*	*08/10/22 07:26*	*08/20/22 15:20*	*1*
13C8 FOSA	*103*		*10 - 168*	*08/10/22 07:26*	*08/20/22 15:20*	*1*
13C3 PFHxS	*112*		*28 - 188*	*08/10/22 07:26*	*08/20/22 15:20*	*1*

Lab Sample ID: LCS 410-284476/3-A
Matrix: Water
Analysis Batch: 287836

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 284476

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
6:2 Fluorotelomer sulfonic acid			24.3	24.8		ng/L		102	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	26.0		ng/L		106	55 - 138		
Perfluorobutanoic acid			25.6	23.2		ng/L		91	59 - 136		
Perfluorodecanesulfonic acid			24.7	23.1		ng/L		94	55 - 137		
Perfluoroheptanesulfonic acid			24.4	21.0		ng/L		86	56 - 140		
Perfluorooctanesulfonamide			25.6	24.5		ng/L		96	43 - 167		
Perfluoropentanoic acid			25.6	22.8		ng/L		89	57 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*106*		*17 - 200*
M2-8:2 FTS	*111*		*33 - 200*
13C4 PFBA	*109*		*42 - 165*
13C5 PFPeA	*111*		*38 - 187*
13C8 PFOS	*105*		*51 - 159*
13C8 FOSA	*97*		*10 - 168*
13C3 PFHxS	*107*		*28 - 188*

Lab Sample ID: MB 410-284791/1-A
Matrix: Water
Analysis Batch: 285579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 284791

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		08/10/22 16:24	08/13/22 04:13	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		08/10/22 16:24	08/13/22 04:13	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		08/10/22 16:24	08/13/22 04:13	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		08/10/22 16:24	08/13/22 04:13	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		08/10/22 16:24	08/13/22 04:13	1

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

Lab Sample ID: MB 410-284791/1-A
Matrix: Water
Analysis Batch: 285579

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 284791

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		08/10/22 16:24	08/13/22 04:13	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		08/10/22 16:24	08/13/22 04:13	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*141*		*17 - 200*	*08/10/22 16:24*	*08/13/22 04:13*	*1*
M2-8:2 FTS	*131*		*33 - 200*	*08/10/22 16:24*	*08/13/22 04:13*	*1*
13C4 PFBA	*125*		*42 - 165*	*08/10/22 16:24*	*08/13/22 04:13*	*1*
13C5 PFPeA	*122*		*38 - 187*	*08/10/22 16:24*	*08/13/22 04:13*	*1*
13C8 PFOS	*124*		*51 - 159*	*08/10/22 16:24*	*08/13/22 04:13*	*1*
13C8 FOSA	*103*		*10 - 168*	*08/10/22 16:24*	*08/13/22 04:13*	*1*
13C3 PFHxS	*129*		*28 - 188*	*08/10/22 16:24*	*08/13/22 04:13*	*1*

Lab Sample ID: LCS 410-284791/2-A
Matrix: Water
Analysis Batch: 285579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 284791

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
6:2 Fluorotelomer sulfonic acid			24.3	21.6		ng/L		89	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	20.0		ng/L		82	55 - 138		
Perfluorobutanoic acid			25.6	19.2		ng/L		75	59 - 136		
Perfluorodecanesulfonic acid			24.7	17.3		ng/L		70	55 - 137		
Perfluoroheptanesulfonic acid			24.4	17.9		ng/L		73	56 - 140		
Perfluorooctanesulfonamide			25.6	19.2		ng/L		75	43 - 167		
Perfluoropentanoic acid			25.6	19.9		ng/L		78	57 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*131*		*17 - 200*
M2-8:2 FTS	*128*		*33 - 200*
13C4 PFBA	*131*		*42 - 165*
13C5 PFPeA	*132*		*38 - 187*
13C8 PFOS	*132*		*51 - 159*
13C8 FOSA	*109*		*10 - 168*
13C3 PFHxS	*131*		*28 - 188*

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

Lab Sample ID: MB 410-283660/1-A
Matrix: Water
Analysis Batch: 287329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283660

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1

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

Lab Sample ID: MB 410-283660/1-A
Matrix: Water
Analysis Batch: 287329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283660

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
NEtFOSAA	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
NMeFOSAA	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		08/08/22 07:14	08/18/22 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*102*		*70 - 130*	*08/08/22 07:14*	*08/18/22 13:40*	*1*
13C2 PFDA	*107*		*70 - 130*	*08/08/22 07:14*	*08/18/22 13:40*	*1*
13C2 PFHxA	*105*		*70 - 130*	*08/08/22 07:14*	*08/18/22 13:40*	*1*

Lab Sample ID: LCS 410-283660/2-A
Matrix: Water
Analysis Batch: 287329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283660

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorohexanoic acid			20.5	18.1		ng/L		88	70 - 130		
Perfluoroheptanoic acid			20.5	19.1		ng/L		93	70 - 130		
Perfluorooctanoic acid			20.5	18.9		ng/L		92	70 - 130		
Perfluorononanoic acid			20.5	19.8		ng/L		97	70 - 130		
Perfluorodecanoic acid			20.5	19.2		ng/L		94	70 - 130		
Perfluorotridecanoic acid			20.5	17.7		ng/L		86	70 - 130		
Perfluorotetradecanoic acid			20.5	18.3		ng/L		89	70 - 130		
Perfluorobutanesulfonic acid			18.1	13.5		ng/L		75	70 - 130		
Perfluorohexanesulfonic acid			18.7	16.4		ng/L		88	70 - 130		
Perfluorooctanesulfonic acid			19.0	16.1		ng/L		85	70 - 130		
NEtFOSAA			20.5	17.2		ng/L		84	70 - 130		
NMeFOSAA			20.5	17.9		ng/L		87	70 - 130		
Perfluoroundecanoic acid			20.5	18.0		ng/L		88	70 - 130		
Perfluorododecanoic acid			20.5	19.0		ng/L		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*96*		*70 - 130*
13C2 PFDA	*106*		*70 - 130*
13C2 PFHxA	*106*		*70 - 130*

Lab Sample ID: LCSD 410-283660/3-A
Matrix: Water
Analysis Batch: 287329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 283660

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	15.9		ng/L		78	70 - 130	13	30
Perfluoroheptanoic acid			20.5	18.2		ng/L		89	70 - 130	5	30
Perfluorooctanoic acid			20.5	19.6		ng/L		96	70 - 130	4	30
Perfluorononanoic acid			20.5	19.1		ng/L		93	70 - 130	4	30
Perfluorodecanoic acid			20.5	18.4		ng/L		90	70 - 130	4	30
Perfluorotridecanoic acid			20.5	17.6		ng/L		86	70 - 130	0	30

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

Lab Sample ID: LCSD 410-283660/3-A
Matrix: Water
Analysis Batch: 287329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 283660

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorotetradecanoic acid			20.5	17.4		ng/L		85	70 - 130	5	30
Perfluorobutanesulfonic acid			18.1	11.8	*-	ng/L		65	70 - 130	14	30
Perfluorohexanesulfonic acid			18.7	15.7		ng/L		84	70 - 130	4	30
Perfluorooctanesulfonic acid			19.0	16.2		ng/L		85	70 - 130	1	30
NEtFOSAA			20.5	18.4		ng/L		90	70 - 130	7	30
NMeFOSAA			20.5	19.0		ng/L		93	70 - 130	6	30
Perfluoroundecanoic acid			20.5	18.1		ng/L		89	70 - 130	1	30
Perfluorododecanoic acid			20.5	18.4		ng/L		90	70 - 130	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*104*		*70 - 130*
13C2 PFDA	*99*		*70 - 130*
13C2 PFHxA	*91*		*70 - 130*

LCMS

Prep Batch: 283660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-1	GAC Influent	Total/NA	Water	537 DW	
410-93420-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-93420-2	GAC Midfluent	Total/NA	Water	537 DW	
410-93420-3	GAC Effluent	Total/NA	Water	537 DW	
410-93420-4	PV-2_25	Total/NA	Water	537 DW	
410-93420-5	PV-2_50	Total/NA	Water	537 DW	
410-93420-6	PV-2_75	Total/NA	Water	537 DW	
410-93420-7	FTB01-220803	Total/NA	Water	537 DW	
410-93420-8	LTB01-220803	Total/NA	Water	537 DW	
MB 410-283660/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-283660/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-283660/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Prep Batch: 284476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-1	GAC Influent	Total/NA	Water	537 (Mod)	
410-93420-2	GAC Midfluent	Total/NA	Water	537 (Mod)	
MB 410-284476/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-284476/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Prep Batch: 284791

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-3	GAC Effluent	Total/NA	Water	537 (Mod)	
410-93420-4	PV-2_25	Total/NA	Water	537 (Mod)	
410-93420-5	PV-2_50	Total/NA	Water	537 (Mod)	
410-93420-6	PV-2_75	Total/NA	Water	537 (Mod)	
410-93420-7	FTB01-220803	Total/NA	Water	537 (Mod)	
410-93420-8	LTB01-220803	Total/NA	Water	537 (Mod)	
MB 410-284791/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-284791/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Analysis Batch: 285579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-3	GAC Effluent	Total/NA	Water	537 (Mod)	284791
410-93420-4	PV-2_25	Total/NA	Water	537 (Mod)	284791
410-93420-5	PV-2_50	Total/NA	Water	537 (Mod)	284791
410-93420-6	PV-2_75	Total/NA	Water	537 (Mod)	284791
410-93420-7	FTB01-220803	Total/NA	Water	537 (Mod)	284791
410-93420-8	LTB01-220803	Total/NA	Water	537 (Mod)	284791
MB 410-284791/1-A	Method Blank	Total/NA	Water	537 (Mod)	284791
LCS 410-284791/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	284791

Analysis Batch: 287329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-1	GAC Influent	Total/NA	Water	537 DW	283660
410-93420-2	GAC Midfluent	Total/NA	Water	537 DW	283660
410-93420-3	GAC Effluent	Total/NA	Water	537 DW	283660
410-93420-4	PV-2_25	Total/NA	Water	537 DW	283660
410-93420-5	PV-2_50	Total/NA	Water	537 DW	283660
410-93420-6	PV-2_75	Total/NA	Water	537 DW	283660
410-93420-8	LTB01-220803	Total/NA	Water	537 DW	283660

LCMS (Continued)

Analysis Batch: 287329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-283660/1-A	Method Blank	Total/NA	Water	537 DW	283660
LCS 410-283660/2-A	Lab Control Sample	Total/NA	Water	537 DW	283660
LCSD 410-283660/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	283660

Analysis Batch: 287800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-1 - DL	GAC Influent	Total/NA	Water	537 DW	283660

Analysis Batch: 287836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-1	GAC Influent	Total/NA	Water	537 (Mod)	284476
410-93420-2	GAC Midfluent	Total/NA	Water	537 (Mod)	284476
MB 410-284476/1-A	Method Blank	Total/NA	Water	537 (Mod)	284476
LCS 410-284476/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	284476

Prep Batch: 288492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-1 - RE	GAC Influent	Total/NA	Water	537 DW	
410-93420-2 - RE	GAC Midfluent	Total/NA	Water	537 DW	
410-93420-3 - RE	GAC Effluent	Total/NA	Water	537 DW	
410-93420-4 - RE	PV-2_25	Total/NA	Water	537 DW	
410-93420-5 - RE	PV-2_50	Total/NA	Water	537 DW	
410-93420-6 - RE	PV-2_75	Total/NA	Water	537 DW	
410-93420-7 - RE	FTB01-220803	Total/NA	Water	537 DW	
410-93420-8 - RE	LTB01-220803	Total/NA	Water	537 DW	
MB 410-288492/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-288492/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-288492/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 288765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-93420-1 - RE	GAC Influent	Total/NA	Water	537 DW	288492
410-93420-2 - RE	GAC Midfluent	Total/NA	Water	537 DW	288492
410-93420-3 - RE	GAC Effluent	Total/NA	Water	537 DW	288492
410-93420-4 - RE	PV-2_25	Total/NA	Water	537 DW	288492
410-93420-5 - RE	PV-2_50	Total/NA	Water	537 DW	288492
410-93420-6 - RE	PV-2_75	Total/NA	Water	537 DW	288492
410-93420-7 - RE	FTB01-220803	Total/NA	Water	537 DW	288492
410-93420-7	FTB01-220803	Total/NA	Water	537 DW	283660
410-93420-8 - RE	LTB01-220803	Total/NA	Water	537 DW	288492
MB 410-288492/1-A	Method Blank	Total/NA	Water	537 DW	288492
LCS 410-288492/2-A	Lab Control Sample	Total/NA	Water	537 DW	288492
LCSD 410-288492/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	288492

Lab Chronicle

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

Job ID: 410-93420-1
SDG: HOO

Client Sample ID: GAC Influent
Lab Sample ID: 410-93420-1

Date Collected: 08/03/22 09:35
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284476	M4QQ	ELLE	08/10/22 07:26
Total/NA	Analysis	537 (Mod)		1	287836	QD9Y	ELLE	08/20/22 15:53
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	287329	DCS9	ELLE	08/18/22 15:12
Total/NA	Prep	537 DW	DL		283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW	DL	10	287800	DCS9	ELLE	08/19/22 12:05
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 13:27

Client Sample ID: GAC Midfluent
Lab Sample ID: 410-93420-2

Date Collected: 08/03/22 09:38
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284476	M4QQ	ELLE	08/10/22 07:26
Total/NA	Analysis	537 (Mod)		1	287836	QD9Y	ELLE	08/20/22 16:05
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	287329	DCS9	ELLE	08/18/22 15:24
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 13:38

Client Sample ID: GAC Effluent
Lab Sample ID: 410-93420-3

Date Collected: 08/03/22 09:42
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284791	JU9U	ELLE	08/10/22 16:24
Total/NA	Analysis	537 (Mod)		1	285579	QD9Y	ELLE	08/13/22 06:48
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	287329	DCS9	ELLE	08/18/22 15:35
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 13:50

Client Sample ID: PV-2_25
Lab Sample ID: 410-93420-4

Date Collected: 08/03/22 09:50
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284791	JU9U	ELLE	08/10/22 16:24
Total/NA	Analysis	537 (Mod)		1	285579	QD9Y	ELLE	08/13/22 07:00
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	287329	DCS9	ELLE	08/18/22 15:47
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 14:02

Client Sample ID: PV-2_50

Lab Sample ID: 410-93420-5

Date Collected: 08/03/22 09:54
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284791	JU9U	ELLE	08/10/22 16:24
Total/NA	Analysis	537 (Mod)		1	285579	QD9Y	ELLE	08/13/22 07:11
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	287329	DCS9	ELLE	08/18/22 15:58
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 14:13

Client Sample ID: PV-2_75

Lab Sample ID: 410-93420-6

Date Collected: 08/03/22 09:57
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284791	JU9U	ELLE	08/10/22 16:24
Total/NA	Analysis	537 (Mod)		1	285579	QD9Y	ELLE	08/13/22 07:22
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	287329	DCS9	ELLE	08/18/22 16:10
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 14:25

Client Sample ID: FTB01-220803

Lab Sample ID: 410-93420-7

Date Collected: 08/03/22 10:05
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284791	JU9U	ELLE	08/10/22 16:24
Total/NA	Analysis	537 (Mod)		1	285579	QD9Y	ELLE	08/13/22 07:33
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 14:36
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	288765	PY4D	ELLE	08/23/22 18:28

Client Sample ID: LTB01-220803

Lab Sample ID: 410-93420-8

Date Collected: 08/03/22 00:00
Matrix: Water
Date Received: 08/04/22 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			284791	JU9U	ELLE	08/10/22 16:24
Total/NA	Analysis	537 (Mod)		1	285579	QD9Y	ELLE	08/13/22 07:44
Total/NA	Prep	537 DW			283660	PR5J	ELLE	08/08/22 07:14
Total/NA	Analysis	537 DW		1	287329	DCS9	ELLE	08/18/22 16:33
Total/NA	Prep	537 DW	RE		288492	QLP7	ELLE	08/22/22 18:17
Total/NA	Analysis	537 DW	RE	1	288765	PY4D	ELLE	08/23/22 15:23

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, 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: 410-93420-1
SDG: HOO

Laboratory: Eurofins Lancaster Laboratories Environment Testing, 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	04-01-23

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

Method Summary

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

Job ID: 410-93420-1
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 Environment Testing, 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: 410-93420-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-93420-1	GAC Influent	Water	08/03/22 09:35	08/04/22 10:08
410-93420-2	GAC Midfluent	Water	08/03/22 09:38	08/04/22 10:08
410-93420-3	GAC Effluent	Water	08/03/22 09:42	08/04/22 10:08
410-93420-4	PV-2_25	Water	08/03/22 09:50	08/04/22 10:08
410-93420-5	PV-2_50	Water	08/03/22 09:54	08/04/22 10:08
410-93420-6	PV-2_75	Water	08/03/22 09:57	08/04/22 10:08
410-93420-7	FTB01-220803	Water	08/03/22 10:05	08/04/22 10:08
410-93420-8	LTB01-220803	Water	08/03/22 00:00	08/04/22 10:08

410-93420 Chain of Custody

s Environme

Chain of Custody Record

eurofins Environment Testing America

Jonathan Dippert, Kirk Moline	Sampler: C. Ormsby	Lab PM: Hobart, Paul	Carrier Tracking No(s):	COC No: 410-42499-12960.2
Company: CT Male Associates DPC	Phone:	E-Mail: Paul.Hobart@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2 (1 of 1)
Address: 50 Century Hill Dr	PWSID:	Due Date Requested:	Analysis Requested	Job #:
City: Latham		TAT Requested (days): Standard		
State, Zip: NY, 12110		Compliance Project: Δ Yes Δ No		
Phone:		PO #: Purchase Order not required		
Email: j.dippert@ctmale.com, K.Moline@CTmale.com		WO #:		
Project Name: Hoosick Falls WTP		Project #: 41000511		
Site: WTP 14.4756		SSOW#:		

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, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - (MOD) 7 PFAS Drinking Water List	537_DW - 14 PFAS Drinking Water List	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
GAC INFLUENT	8/3/22	0935	G	Water	N	N	X	X			This QC Collected Here
GAC MIDFLUENT		0938		Water			X	X			PV-1
GAC EFFLUENT		0942		Water			X	X			
PV-2_25		0950					X	X			
PV-2_50		0954					X	X			
PV-2_75		0957					X	X			
FTB01-220803		1005					X	X			
LTB01-220803		—					X	X			

Possible Hazard Identification

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/3/22 1345	Company: CTM	Received by:
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	817416155555

Date/Time: 8/4/22 | Company: ECHET

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-93420-1
SDG Number: HOO

Login Number: 93420
List Number: 1
Creator: McBeth, Jessica

List Source: Eurofins Lancaster Laboratories Environment Testing, 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	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	