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ANALYTICAL REPORT

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

Laboratory Job ID: 410-65486-1
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:
12/13/2021 4:02:51 PM

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

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

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

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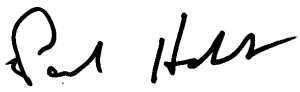

Paul Hobart
Project Manager
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Client: CT Male Associates DPC
Project/Site: Hoosick Falls WTP

Job ID: 410-65486-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*3	ISTD response or retention time outside acceptable limits.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
E	Result exceeded calibration range.
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: 410-65486-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-65486-1

Receipt
The samples were received on 12/3/2021 11:10 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 0.9°C

PFAS
Method 537_DW: The sample injection standard peak areas in the following sample: GAC-INFLUENT (410-65486-1) are outside of the QC limits in the initial injection. The values here are from the initial injection of the sample.The recovery for the surrogate(s) in the following sample: GAC-INFLUENT (410-65486-1) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted within of the required holding time and the recovery for surrogate(s) was within QC acceptance limits.

Method PFC_IDA: The recovery for a target analyte(s) in the laboratory control spike sample associated with the following sample: GAC-MIDFLUENT (410-65486-2) is outside the QC acceptance limits. The following action was taken: This sample was re-extracted within the required holding time and the recovery for a target analyte(s) in the laboratory control spike sample(s) is within the QC acceptance limits. The recovery for the labeled isotope(s) in the re-extracted sample is outside the QC acceptance limits. The values here are from the initial injection of the sample.

Method PFC_IDA: The recovery for the labeled isotope(s) in the following samples: GAC-EFFLUENT (410-65486-3), PV-1_50 (410-65486-5), PV-1_75 (410-65486-6) and LTB01-211202 (410-65486-8) is outside the QC acceptance limits. Since the recovery is high and the native analyte is not detected in the sample, the data is reported.

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: 410-65486-1
SDG: HOO

Client Sample ID: GAC-INFLUENT — Lab Sample ID: 410-65486-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.8		4.2		ng/L	1		537 (Mod)	Total/NA
Perfluorooctanesulfonamide	2.5		1.7		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	5.5		1.7		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	20	*3 cn	1.7		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	22	*3 cn	1.7		ng/L	1		537 DW	Total/NA
Perfluorobutanesulfonic acid	2.1	cn	1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	4.0	cn	1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	630	cn	17		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC-MIDFLUENT — Lab Sample ID: 410-65486-2

No Detections.

Client Sample ID: GAC-EFFLUENT — Lab Sample ID: 410-65486-3

No Detections.

Client Sample ID: PV-1_25 — Lab Sample ID: 410-65486-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.9		4.2		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: PV-1_50 — Lab Sample ID: 410-65486-5

No Detections.

Client Sample ID: PV-1_75 — Lab Sample ID: 410-65486-6

No Detections.

Client Sample ID: FTB01-211202 — Lab Sample ID: 410-65486-7

No Detections.

Client Sample ID: LTB01-211202 — Lab Sample ID: 410-65486-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client Sample ID: GAC-INFLUENT

Date Collected: 12/02/21 11:05
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-1

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	4.2	U	4.2		ng/L		12/11/21 02:51	12/13/21 11:26	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		12/11/21 02:51	12/13/21 11:26	1
Perfluorobutanoic acid	**4.8**		4.2		ng/L		12/11/21 02:51	12/13/21 11:26	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		12/11/21 02:51	12/13/21 11:26	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		12/11/21 02:51	12/13/21 11:26	1
Perfluorooctanesulfonamide	**2.5**		1.7		ng/L		12/11/21 02:51	12/13/21 11:26	1
Perfluoropentanoic acid	**5.5**		1.7		ng/L		12/11/21 02:51	12/13/21 11:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*115*		*29 - 189*	*12/11/21 02:51*	*12/13/21 11:26*	*1*
M2-8:2 FTS	*141*		*34 - 182*	*12/11/21 02:51*	*12/13/21 11:26*	*1*
13C4 PFBA	*133*	*5+	*41 - 132*	*12/11/21 02:51*	*12/13/21 11:26*	*1*
13C5 PFPeA	*134*		*33 - 155*	*12/11/21 02:51*	*12/13/21 11:26*	*1*
13C8 PFOS	*125*		*49 - 126*	*12/11/21 02:51*	*12/13/21 11:26*	*1*
13C8 FOSA	*107*		*10 - 143*	*12/11/21 02:51*	*12/13/21 11:26*	*1*
13C3 PFHxS	*136*		*32 - 145*	*12/11/21 02:51*	*12/13/21 11:26*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**20**	***3 cn**	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluoroheptanoic acid	**22**	***3 cn**	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorononanoic acid	1.7	U *3 cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorodecanoic acid	1.7	U *3 cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorotridecanoic acid	1.7	U *3 cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorotetradecanoic acid	1.7	U *3 cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorobutanesulfonic acid	**2.1**	**cn**	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorohexanesulfonic acid	1.7	U cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorooctanesulfonic acid	**4.0**	**cn**	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
NEtFOSAA	1.7	U cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
NMeFOSAA	1.7	U cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluoroundecanoic acid	1.7	U *3 cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1
Perfluorododecanoic acid	1.7	U *3 cn	1.7		ng/L		12/07/21 08:33	12/08/21 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*	*cn*	*70 - 130*	*12/07/21 08:33*	*12/08/21 22:53*	*1*
13C2 PFDA	*148*	*S1+ *3 cn*	*70 - 130*	*12/07/21 08:33*	*12/08/21 22:53*	*1*
13C2 PFHxA	*128*	*3 cn*	*70 - 130*	*12/07/21 08:33*	*12/08/21 22:53*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**630**	**cn**	17		ng/L		12/07/21 08:33	12/08/21 23:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*95*	*cn*	*70 - 130*	*12/07/21 08:33*	*12/08/21 23:04*	*10*
13C2 PFDA	*120*	*cn*	*70 - 130*	*12/07/21 08:33*	*12/08/21 23:04*	*10*
13C2 PFHxA	*109*	*cn*	*70 - 130*	*12/07/21 08:33*	*12/08/21 23:04*	*10*

Client Sample ID: GAC-MIDFLUENT

Date Collected: 12/02/21 11:10
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-2

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.4	U cn	4.4		ng/L		12/08/21 06:26	12/09/21 19:14	1
8:2 Fluorotelomer sulfonic acid	2.7	U cn	2.7		ng/L		12/08/21 06:26	12/09/21 19:14	1
Perfluorobutanoic acid	4.4	U cn	4.4		ng/L		12/08/21 06:26	12/09/21 19:14	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8		ng/L		12/08/21 06:26	12/09/21 19:14	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8		ng/L		12/08/21 06:26	12/09/21 19:14	1
Perfluorooctanesulfonamide	1.8	U cn	1.8		ng/L		12/08/21 06:26	12/09/21 19:14	1
Perfluoropentanoic acid	1.8	U *- cn	1.8		ng/L		12/08/21 06:26	12/09/21 19:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*94*	*cn*	*29 - 189*	*12/08/21 06:26*	*12/09/21 19:14*	*1*
M2-8:2 FTS	*102*	*cn*	*34 - 182*	*12/08/21 06:26*	*12/09/21 19:14*	*1*
13C4 PFBA	*100*	*cn*	*41 - 132*	*12/08/21 06:26*	*12/09/21 19:14*	*1*
13C5 PFPeA	*103*	*cn*	*33 - 155*	*12/08/21 06:26*	*12/09/21 19:14*	*1*
13C8 PFOS	*99*	*cn*	*49 - 126*	*12/08/21 06:26*	*12/09/21 19:14*	*1*
13C8 FOSA	*89*	*cn*	*10 - 143*	*12/08/21 06:26*	*12/09/21 19:14*	*1*
13C3 PFHxS	*104*	*cn*	*32 - 145*	*12/08/21 06:26*	*12/09/21 19:14*	*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		12/07/21 08:33	12/08/21 23:16	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
NEtFOSAA	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
NMeFOSAA	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*84*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:16*	*1*
13C2 PFDA	*112*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:16*	*1*
13C2 PFHxA	*103*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:16*	*1*

Client Sample ID: GAC-EFFLUENT

Date Collected: 12/02/21 11:15
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-3

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	4.6	U cn	4.6		ng/L		12/11/21 02:51	12/13/21 11:48	1
8:2 Fluorotelomer sulfonic acid	2.7	U cn	2.7		ng/L		12/11/21 02:51	12/13/21 11:48	1
Perfluorobutanoic acid	4.6	U cn	4.6		ng/L		12/11/21 02:51	12/13/21 11:48	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 11:48	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 11:48	1
Perfluorooctanesulfonamide	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 11:48	1
Perfluoropentanoic acid	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 11:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*133*	*cn*	*29 - 189*	*12/11/21 02:51*	*12/13/21 11:48*	*1*
M2-8:2 FTS	*126*	*cn*	*34 - 182*	*12/11/21 02:51*	*12/13/21 11:48*	*1*
13C4 PFBA	*129*	*cn*	*41 - 132*	*12/11/21 02:51*	*12/13/21 11:48*	*1*
13C5 PFPeA	*134*	*cn*	*33 - 155*	*12/11/21 02:51*	*12/13/21 11:48*	*1*
13C8 PFOS	*128*	**5+ cn*	*49 - 126*	*12/11/21 02:51*	*12/13/21 11:48*	*1*
13C8 FOSA	*116*	*cn*	*10 - 143*	*12/11/21 02:51*	*12/13/21 11:48*	*1*
13C3 PFHxS	*134*	*cn*	*32 - 145*	*12/11/21 02:51*	*12/13/21 11:48*	*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		12/07/21 08:33	12/08/21 23:27	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
NEtFOSAA	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
NMeFOSAA	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/07/21 08:33	12/08/21 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:27*	*1*
13C2 PFDA	*114*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:27*	*1*
13C2 PFHxA	*104*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:27*	*1*

Client Sample ID: PV-1_25

Date Collected: 12/02/21 11:20
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-4

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	4.2	U	4.2		ng/L		12/11/21 02:51	12/13/21 11:59	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		12/11/21 02:51	12/13/21 11:59	1
Perfluorobutanoic acid	**4.9**		4.2		ng/L		12/11/21 02:51	12/13/21 11:59	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		12/11/21 02:51	12/13/21 11:59	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		12/11/21 02:51	12/13/21 11:59	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		12/11/21 02:51	12/13/21 11:59	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		12/11/21 02:51	12/13/21 11:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*124*		*29 - 189*	*12/11/21 02:51*	*12/13/21 11:59*	*1*
M2-8:2 FTS	*126*		*34 - 182*	*12/11/21 02:51*	*12/13/21 11:59*	*1*
13C4 PFBA	*127*		*41 - 132*	*12/11/21 02:51*	*12/13/21 11:59*	*1*
13C5 PFPeA	*128*		*33 - 155*	*12/11/21 02:51*	*12/13/21 11:59*	*1*
13C8 PFOS	*124*		*49 - 126*	*12/11/21 02:51*	*12/13/21 11:59*	*1*
13C8 FOSA	*120*		*10 - 143*	*12/11/21 02:51*	*12/13/21 11:59*	*1*
13C3 PFHxS	*130*		*32 - 145*	*12/11/21 02:51*	*12/13/21 11:59*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
NEtFOSAA	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
NMeFOSAA	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*79*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:40*	*1*
13C2 PFDA	*104*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:40*	*1*
13C2 PFHxA	*99*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:40*	*1*

Client Sample ID: PV-1_50

Date Collected: 12/02/21 11:25
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-5

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	4.3	U cn	4.3		ng/L		12/11/21 02:51	12/13/21 12:11	1
8:2 Fluorotelomer sulfonic acid	2.6	U cn	2.6		ng/L		12/11/21 02:51	12/13/21 12:11	1
Perfluorobutanoic acid	4.3	U cn	4.3		ng/L		12/11/21 02:51	12/13/21 12:11	1
Perfluorodecanesulfonic acid	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:11	1
Perfluoroheptanesulfonic acid	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:11	1
Perfluorooctanesulfonamide	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:11	1
Perfluoropentanoic acid	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*124*	*cn*	*29 - 189*	*12/11/21 02:51*	*12/13/21 12:11*	*1*
M2-8:2 FTS	*148*	*cn*	*34 - 182*	*12/11/21 02:51*	*12/13/21 12:11*	*1*
13C4 PFBA	*137*	**5+ cn*	*41 - 132*	*12/11/21 02:51*	*12/13/21 12:11*	*1*
13C5 PFPeA	*141*	*cn*	*33 - 155*	*12/11/21 02:51*	*12/13/21 12:11*	*1*
13C8 PFOS	*137*	**5+ cn*	*49 - 126*	*12/11/21 02:51*	*12/13/21 12:11*	*1*
13C8 FOSA	*135*	*cn*	*10 - 143*	*12/11/21 02:51*	*12/13/21 12:11*	*1*
13C3 PFHxS	*143*	*cn*	*32 - 145*	*12/11/21 02:51*	*12/13/21 12:11*	*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		12/07/21 08:33	12/08/21 23:52	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
NEtFOSAA	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
NMeFOSAA	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		12/07/21 08:33	12/08/21 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*94*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:52*	*1*
13C2 PFDA	*114*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:52*	*1*
13C2 PFHxA	*103*		*70 - 130*	*12/07/21 08:33*	*12/08/21 23:52*	*1*

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

Job ID: 410-65486-1
SDG: HOO

Client Sample ID: PV-1_75
Date Collected: 12/02/21 11:30
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-6
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	4.3	U cn	4.3		ng/L		12/11/21 02:51	12/13/21 12:22	1
8:2 Fluorotelomer sulfonic acid	2.6	U cn	2.6		ng/L		12/11/21 02:51	12/13/21 12:22	1
Perfluorobutanoic acid	4.3	U cn	4.3		ng/L		12/11/21 02:51	12/13/21 12:22	1
Perfluorodecanesulfonic acid	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:22	1
Perfluoroheptanesulfonic acid	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:22	1
Perfluorooctanesulfonamide	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:22	1
Perfluoropentanoic acid	1.7	U cn	1.7		ng/L		12/11/21 02:51	12/13/21 12:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*125*	*cn*	*29 - 189*	*12/11/21 02:51*	*12/13/21 12:22*	*1*
M2-8:2 FTS	*138*	*cn*	*34 - 182*	*12/11/21 02:51*	*12/13/21 12:22*	*1*
13C4 PFBA	*133*	**5+ cn*	*41 - 132*	*12/11/21 02:51*	*12/13/21 12:22*	*1*
13C5 PFPeA	*137*	*cn*	*33 - 155*	*12/11/21 02:51*	*12/13/21 12:22*	*1*
13C8 PFOS	*127*	**5+ cn*	*49 - 126*	*12/11/21 02:51*	*12/13/21 12:22*	*1*
13C8 FOSA	*123*	*cn*	*10 - 143*	*12/11/21 02:51*	*12/13/21 12:22*	*1*
13C3 PFHxS	*132*	*cn*	*32 - 145*	*12/11/21 02:51*	*12/13/21 12:22*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluoroheptanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorooctanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorononanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorodecanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorotridecanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorotetradecanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorobutanesulfonic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorohexanesulfonic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorooctanesulfonic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
NEtFOSAA	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
NMeFOSAA	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluoroundecanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1
Perfluorododecanoic acid	1.6	U	1.6		ng/L		12/07/21 08:33	12/09/21 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*12/07/21 08:33*	*12/09/21 00:03*	*1*
13C2 PFDA	*111*		*70 - 130*	*12/07/21 08:33*	*12/09/21 00:03*	*1*
13C2 PFHxA	*101*		*70 - 130*	*12/07/21 08:33*	*12/09/21 00:03*	*1*

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

Job ID: 410-65486-1
SDG: HOO

Client Sample ID: FTB01-211202
Date Collected: 12/02/21 11:35
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-7
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	4.7	U	4.7		ng/L		12/11/21 02:51	12/13/21 12:33	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		12/11/21 02:51	12/13/21 12:33	1
Perfluorobutanoic acid	4.7	U	4.7		ng/L		12/11/21 02:51	12/13/21 12:33	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		12/11/21 02:51	12/13/21 12:33	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		12/11/21 02:51	12/13/21 12:33	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		12/11/21 02:51	12/13/21 12:33	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		12/11/21 02:51	12/13/21 12:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*123*		*29 - 189*	*12/11/21 02:51*	*12/13/21 12:33*	*1*
M2-8:2 FTS	*135*		*34 - 182*	*12/11/21 02:51*	*12/13/21 12:33*	*1*
13C4 PFBA	*125*		*41 - 132*	*12/11/21 02:51*	*12/13/21 12:33*	*1*
13C5 PFPeA	*127*		*33 - 155*	*12/11/21 02:51*	*12/13/21 12:33*	*1*
13C8 PFOS	*123*		*49 - 126*	*12/11/21 02:51*	*12/13/21 12:33*	*1*
13C8 FOSA	*120*		*10 - 143*	*12/11/21 02:51*	*12/13/21 12:33*	*1*
13C3 PFHxS	*131*		*32 - 145*	*12/11/21 02:51*	*12/13/21 12:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
NEtFOSAA	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
NMeFOSAA	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		12/09/21 17:49	12/10/21 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*12/09/21 17:49*	*12/10/21 12:36*	*1*
13C2 PFDA	*106*		*70 - 130*	*12/09/21 17:49*	*12/10/21 12:36*	*1*
13C2 PFHxA	*107*		*70 - 130*	*12/09/21 17:49*	*12/10/21 12:36*	*1*

Client Sample ID: LTB01-211202
Date Collected: 12/02/21 00:00
Date Received: 12/03/21 11:10

Lab Sample ID: 410-65486-8
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 cn	4.5		ng/L		12/11/21 02:51	12/13/21 12:44	1
8:2 Fluorotelomer sulfonic acid	2.7	U cn	2.7		ng/L		12/11/21 02:51	12/13/21 12:44	1
Perfluorobutanoic acid	4.5	U cn	4.5		ng/L		12/11/21 02:51	12/13/21 12:44	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 12:44	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 12:44	1
Perfluorooctanesulfonamide	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 12:44	1
Perfluoropentanoic acid	1.8	U cn	1.8		ng/L		12/11/21 02:51	12/13/21 12:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*115*	*cn*	*29 - 189*	*12/11/21 02:51*	*12/13/21 12:44*	*1*
M2-8:2 FTS	*135*	*cn*	*34 - 182*	*12/11/21 02:51*	*12/13/21 12:44*	*1*
13C4 PFBA	*129*	*cn*	*41 - 132*	*12/11/21 02:51*	*12/13/21 12:44*	*1*
13C5 PFPeA	*131*	*cn*	*33 - 155*	*12/11/21 02:51*	*12/13/21 12:44*	*1*
13C8 PFOS	*128*	**5+ cn*	*49 - 126*	*12/11/21 02:51*	*12/13/21 12:44*	*1*
13C8 FOSA	*116*	*cn*	*10 - 143*	*12/11/21 02:51*	*12/13/21 12:44*	*1*
13C3 PFHxS	*125*	*cn*	*32 - 145*	*12/11/21 02:51*	*12/13/21 12:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
NEtFOSAA	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
NMeFOSAA	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		12/09/21 16:55	12/10/21 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*12/09/21 16:55*	*12/10/21 12:48*	*1*
13C2 PFDA	*111*		*70 - 130*	*12/09/21 16:55*	*12/10/21 12:48*	*1*
13C2 PFHxA	*114*		*70 - 130*	*12/09/21 16:55*	*12/10/21 12:48*	*1*

Surrogate Summary

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

Job ID: 410-65486-1
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)
410-65486-1	GAC-INFLUENT	91 cn	148 S1+ *3 cn	128 *3 cn
410-65486-1 - DL	GAC-INFLUENT	95 cn	120 cn	109 cn
410-65486-2	GAC-MIDFLUENT	84	112	103
410-65486-3	GAC-EFFLUENT	91	114	104
410-65486-4	PV-1_25	79	104	99
410-65486-5	PV-1_50	94	114	103
410-65486-6	PV-1_75	89	111	101
410-65486-7	FTB01-211202	90	106	107
410-65486-8	LTB01-211202	89	111	114
LCS 410-202285/2-A	Lab Control Sample	89	120	109
LCS 410-203585/2-A	Lab Control Sample	89	115	110
LCSD 410-202285/3-A	Lab Control Sample Dup	88	121	108
LCSD 410-203585/3-A	Lab Control Sample Dup	81	111	108
MB 410-202285/1-A	Method Blank	94	114	106

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: 410-65486-1
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	(29-189)	(34-182)	(41-132)	(33-155)	(49-126)	(10-143)	(32-145)
410-65486-1	GAC-INFLUENT	115	141	133 *5+	134	125	107	136
410-65486-2	GAC-MIDFLUENT	94 cn	102 cn	100 cn	103 cn	99 cn	89 cn	104 cn
410-65486-3	GAC-EFFLUENT	133 cn	126 cn	129 cn	134 cn	128 *5+ cn	116 cn	134 cn
410-65486-4	PV-1_25	124	126	127	128	124	120	130
410-65486-5	PV-1_50	124 cn	148 cn	137 *5+ cn	141 cn	137 *5+ cn	135 cn	143 cn
410-65486-6	PV-1_75	125 cn	138 cn	133 *5+ cn	137 cn	127 *5+ cn	123 cn	132 cn
410-65486-7	FTB01-211202	123	135	125	127	123	120	131
410-65486-8	LTB01-211202	115 cn	135 cn	129 cn	131 cn	128 *5+ cn	116 cn	125 cn
LCS 410-202711/2-A	Lab Control Sample	97	115	108	112	107	98	109
LCS 410-204131/2-A	Lab Control Sample	123	136	125	138	126	119	127
LCSD 410-202711/3-A	Lab Control Sample Dup	122	142	133 *5+	140	132 *5+	113	136
LCSD 410-204131/3-A	Lab Control Sample Dup	119	133	132	133	128 *5+	119	137
MB 410-202711/1-A	Method Blank	124	144	139 *5+	143	143 *5+	119	141
MB 410-204131/1-A	Method Blank	129	153	138 *5+	144	135 *5+	133	146 *5+

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 410-202711/1-A
Matrix: Water
Analysis Batch: 203443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202711

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		12/08/21 06:26	12/09/21 16:50	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		12/08/21 06:26	12/09/21 16:50	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		12/08/21 06:26	12/09/21 16:50	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		12/08/21 06:26	12/09/21 16:50	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		12/08/21 06:26	12/09/21 16:50	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		12/08/21 06:26	12/09/21 16:50	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		12/08/21 06:26	12/09/21 16:50	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*124*		*29 - 189*	*12/08/21 06:26*	*12/09/21 16:50*	*1*
M2-8:2 FTS	*144*		*34 - 182*	*12/08/21 06:26*	*12/09/21 16:50*	*1*
13C4 PFBA	*139*	**5+*	*41 - 132*	*12/08/21 06:26*	*12/09/21 16:50*	*1*
13C5 PFPeA	*143*		*33 - 155*	*12/08/21 06:26*	*12/09/21 16:50*	*1*
13C8 PFOS	*143*	**5+*	*49 - 126*	*12/08/21 06:26*	*12/09/21 16:50*	*1*
13C8 FOSA	*119*		*10 - 143*	*12/08/21 06:26*	*12/09/21 16:50*	*1*
13C3 PFHxS	*141*		*32 - 145*	*12/08/21 06:26*	*12/09/21 16:50*	*1*

Lab Sample ID: LCS 410-202711/2-A
Matrix: Water
Analysis Batch: 203443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202711

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	22.3		ng/L		92	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	16.7		ng/L		68	56 - 140		
Perfluorobutanoic acid			25.6	18.1		ng/L		71	62 - 156		
Perfluorodecanesulfonic acid			24.7	17.0		ng/L		69	61 - 134		
Perfluoroheptanesulfonic acid			24.4	17.5		ng/L		72	67 - 135		
Perfluorooctanesulfonamide			25.6	18.8		ng/L		74	55 - 130		
Perfluoropentanoic acid			25.6	16.5	*-	ng/L		64	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*97*		*29 - 189*
M2-8:2 FTS	*115*		*34 - 182*
13C4 PFBA	*108*		*41 - 132*
13C5 PFPeA	*112*		*33 - 155*
13C8 PFOS	*107*		*49 - 126*
13C8 FOSA	*98*		*10 - 143*
13C3 PFHxS	*109*		*32 - 145*

Lab Sample ID: LCSD 410-202711/3-A
Matrix: Water
Analysis Batch: 203443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 202711

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	22.9		ng/L		94	57 - 137	3	30
8:2 Fluorotelomer sulfonic acid			24.5	18.1		ng/L		74	56 - 140	8	30
Perfluorobutanoic acid			25.6	19.4		ng/L		76	62 - 156	7	30
Perfluorodecanesulfonic acid			24.7	17.7		ng/L		72	61 - 134	4	30
Perfluoroheptanesulfonic acid			24.4	18.3		ng/L		75	67 - 135	4	30

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

Lab Sample ID: LCSD 410-202711/3-A
Matrix: Water
Analysis Batch: 203443

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 202711

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonamide			25.6	20.5		ng/L		80	55 - 130	9	30
Perfluoropentanoic acid			25.6	17.6	*-	ng/L		69	72 - 139	7	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-6:2 FTS	*122*		*29 - 189*
M2-8:2 FTS	*142*		*34 - 182*
13C4 PFBA	*133*	*5+	*41 - 132*
13C5 PFPeA	*140*		*33 - 155*
13C8 PFOS	*132*	*5+	*49 - 126*
13C8 FOSA	*113*		*10 - 143*
13C3 PFHxS	*136*		*32 - 145*

Lab Sample ID: MB 410-204131/1-A
Matrix: Water
Analysis Batch: 204540

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 204131

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		12/11/21 02:51	12/13/21 10:42	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		12/11/21 02:51	12/13/21 10:42	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		12/11/21 02:51	12/13/21 10:42	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		12/11/21 02:51	12/13/21 10:42	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		12/11/21 02:51	12/13/21 10:42	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		12/11/21 02:51	12/13/21 10:42	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		12/11/21 02:51	12/13/21 10:42	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*129*		*29 - 189*	*12/11/21 02:51*	*12/13/21 10:42*	*1*
M2-8:2 FTS	*153*		*34 - 182*	*12/11/21 02:51*	*12/13/21 10:42*	*1*
13C4 PFBA	*138*	*5+	*41 - 132*	*12/11/21 02:51*	*12/13/21 10:42*	*1*
13C5 PFPeA	*144*		*33 - 155*	*12/11/21 02:51*	*12/13/21 10:42*	*1*
13C8 PFOS	*135*	*5+	*49 - 126*	*12/11/21 02:51*	*12/13/21 10:42*	*1*
13C8 FOSA	*133*		*10 - 143*	*12/11/21 02:51*	*12/13/21 10:42*	*1*
13C3 PFHxS	*146*	*5+	*32 - 145*	*12/11/21 02:51*	*12/13/21 10:42*	*1*

Lab Sample ID: LCS 410-204131/2-A
Matrix: Water
Analysis Batch: 204540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 204131

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
6:2 Fluorotelomer sulfonic acid			24.3	28.1		ng/L		116	57 - 137
8:2 Fluorotelomer sulfonic acid			24.5	23.8		ng/L		97	56 - 140
Perfluorobutanoic acid			25.6	27.9		ng/L		109	62 - 156
Perfluorodecanesulfonic acid			24.7	25.0		ng/L		101	61 - 134
Perfluoroheptanesulfonic acid			24.4	25.1		ng/L		103	67 - 135
Perfluorooctanesulfonamide			25.6	26.0		ng/L		102	55 - 130
Perfluoropentanoic acid			25.6	23.2		ng/L		91	72 - 139

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*123*		*29 - 189*

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

Lab Sample ID: LCS 410-204131/2-A
Matrix: Water
Analysis Batch: 204540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 204131

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-8:2 FTS	136		34 - 182
13C4 PFBA	125		41 - 132
13C5 PFPeA	138		33 - 155
13C8 PFOS	126		49 - 126
13C8 FOSA	119		10 - 143
13C3 PFHxS	127		32 - 145

Lab Sample ID: LCSD 410-204131/3-A
Matrix: Water
Analysis Batch: 204540

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 204131

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	30.1		ng/L		124	57 - 137	7	30
8:2 Fluorotelomer sulfonic acid			24.5	25.5		ng/L		104	56 - 140	7	30
Perfluorobutanoic acid			25.6	27.2		ng/L		106	62 - 156	3	30
Perfluorodecanesulfonic acid			24.7	26.5		ng/L		107	61 - 134	6	30
Perfluoroheptanesulfonic acid			24.4	25.4		ng/L		104	67 - 135	1	30
Perfluorooctanesulfonamide			25.6	28.0		ng/L		109	55 - 130	7	30
Perfluoropentanoic acid			25.6	25.7		ng/L		100	72 - 139	10	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
M2-6:2 FTS	119		29 - 189
M2-8:2 FTS	133		34 - 182
13C4 PFBA	132		41 - 132
13C5 PFPeA	133		33 - 155
13C8 PFOS	128	*5+	49 - 126
13C8 FOSA	119		10 - 143
13C3 PFHxS	137		32 - 145

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

Lab Sample ID: MB 410-202285/1-A
Matrix: Water
Analysis Batch: 202864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202285

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
NEtFOSAA	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
NMeFOSAA	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1

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

Lab Sample ID: MB 410-202285/1-A
Matrix: Water
Analysis Batch: 202864

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 202285

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid	2.0	U	2.0		ng/L		12/07/21 08:33	12/08/21 22:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*94*		*70 - 130*	*12/07/21 08:33*	*12/08/21 22:05*	*1*
13C2 PFDA	*114*		*70 - 130*	*12/07/21 08:33*	*12/08/21 22:05*	*1*
13C2 PFHxA	*106*		*70 - 130*	*12/07/21 08:33*	*12/08/21 22:05*	*1*

Lab Sample ID: LCS 410-202285/2-A
Matrix: Water
Analysis Batch: 202864

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 202285

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			80.0	93.4	E	ng/L		117	70 - 130		
Perfluoroheptanoic acid			80.0	90.3	E	ng/L		113	70 - 130		
Perfluorooctanoic acid			80.0	94.7	E	ng/L		118	70 - 130		
Perfluorononanoic acid			80.0	93.3	E	ng/L		117	70 - 130		
Perfluorodecanoic acid			80.0	91.9	E	ng/L		115	70 - 130		
Perfluorotridecanoic acid			80.0	92.7	E	ng/L		116	70 - 130		
Perfluorotetradecanoic acid			80.0	90.7	E	ng/L		113	70 - 130		
Perfluorobutanesulfonic acid			70.8	75.8	E	ng/L		107	70 - 130		
Perfluorohexanesulfonic acid			73.0	78.2	E	ng/L		107	70 - 130		
Perfluorooctanesulfonic acid			74.0	78.2	E	ng/L		106	70 - 130		
NEtFOSAA			80.0	85.7	E	ng/L		107	70 - 130		
NMeFOSAA			80.0	84.8	E	ng/L		106	70 - 130		
Perfluoroundecanoic acid			80.0	93.4	E	ng/L		117	70 - 130		
Perfluorododecanoic acid			80.0	91.5	E	ng/L		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*89*		*70 - 130*
13C2 PFDA	*120*		*70 - 130*
13C2 PFHxA	*109*		*70 - 130*

Lab Sample ID: LCSD 410-202285/3-A
Matrix: Water
Analysis Batch: 202864

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 202285

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	93.6	E	ng/L		117	70 - 130	0	30
Perfluoroheptanoic acid			80.0	92.5	E	ng/L		116	70 - 130	2	30
Perfluorooctanoic acid			80.0	93.7	E	ng/L		117	70 - 130	1	30
Perfluorononanoic acid			80.0	93.8	E	ng/L		117	70 - 130	1	30
Perfluorodecanoic acid			80.0	93.1	E	ng/L		116	70 - 130	1	30
Perfluorotridecanoic acid			80.0	92.9	E	ng/L		116	70 - 130	0	30
Perfluorotetradecanoic acid			80.0	90.7	E	ng/L		113	70 - 130	0	30
Perfluorobutanesulfonic acid			70.8	76.6	E	ng/L		108	70 - 130	1	30
Perfluorohexanesulfonic acid			73.0	79.1	E	ng/L		108	70 - 130	1	30
Perfluorooctanesulfonic acid			74.0	78.0	E	ng/L		105	70 - 130	0	30
NEtFOSAA			80.0	82.8	E	ng/L		104	70 - 130	3	30

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

Lab Sample ID: LCSD 410-202285/3-A
Matrix: Water
Analysis Batch: 202864

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 202285

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
NMeFOSAA			80.0	84.7	E	ng/L		106	70 - 130	0	30
Perfluoroundecanoic acid			80.0	92.2	E	ng/L		115	70 - 130	1	30
Perfluorododecanoic acid			80.0	91.4	E	ng/L		114	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*88*		*70 - 130*
13C2 PFDA	*121*		*70 - 130*
13C2 PFHxA	*108*		*70 - 130*

Lab Sample ID: LCS 410-203585/2-A
Matrix: Water
Analysis Batch: 203796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203585

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid			80.0	97.1	E	ng/L		121	70 - 130
Perfluoroheptanoic acid			80.0	93.8	E	ng/L		117	70 - 130
Perfluorooctanoic acid			80.0	95.2	E	ng/L		119	70 - 130
Perfluorononanoic acid			80.0	92.5	E	ng/L		116	70 - 130
Perfluorodecanoic acid			80.0	92.2	E	ng/L		115	70 - 130
Perfluorotridecanoic acid			80.0	91.7	E	ng/L		115	70 - 130
Perfluorotetradecanoic acid			80.0	93.9	E	ng/L		117	70 - 130
Perfluorobutanesulfonic acid			70.8	80.8	E	ng/L		114	70 - 130
Perfluorohexanesulfonic acid			73.0	81.5	E	ng/L		112	70 - 130
Perfluorooctanesulfonic acid			74.0	78.9	E	ng/L		107	70 - 130
NEtFOSAA			80.0	86.0	E	ng/L		108	70 - 130
NMeFOSAA			80.0	85.2	E	ng/L		107	70 - 130
Perfluoroundecanoic acid			80.0	91.0	E	ng/L		114	70 - 130
Perfluorododecanoic acid			80.0	90.6	E	ng/L		113	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*89*		*70 - 130*
13C2 PFDA	*115*		*70 - 130*
13C2 PFHxA	*110*		*70 - 130*

Lab Sample ID: LCSD 410-203585/3-A
Matrix: Water
Analysis Batch: 203796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203585

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	93.9	E	ng/L		117	70 - 130	3	30
Perfluoroheptanoic acid			80.0	91.2	E	ng/L		114	70 - 130	3	30
Perfluorooctanoic acid			80.0	91.2	E	ng/L		114	70 - 130	4	30
Perfluorononanoic acid			80.0	90.5	E	ng/L		113	70 - 130	2	30
Perfluorodecanoic acid			80.0	87.9	E	ng/L		110	70 - 130	5	30
Perfluorotridecanoic acid			80.0	85.8	E	ng/L		107	70 - 130	7	30
Perfluorotetradecanoic acid			80.0	87.2	E	ng/L		109	70 - 130	7	30
Perfluorobutanesulfonic acid			70.8	78.0	E	ng/L		110	70 - 130	3	30
Perfluorohexanesulfonic acid			73.0	77.6	E	ng/L		106	70 - 130	5	30

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

Lab Sample ID: LCSD 410-203585/3-A
Matrix: Water
Analysis Batch: 203796

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203585

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid			74.0	75.5	E	ng/L		102	70 - 130	5	30
NEtFOSAA			80.0	80.8	E	ng/L		101	70 - 130	6	30
NMeFOSAA			80.0	79.6		ng/L		100	70 - 130	7	30
Perfluoroundecanoic acid			80.0	84.6	E	ng/L		106	70 - 130	7	30
Perfluorododecanoic acid			80.0	84.0	E	ng/L		105	70 - 130	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*81*		*70 - 130*
13C2 PFDA	*111*		*70 - 130*
13C2 PFHxA	*108*		*70 - 130*

LCMS

Prep Batch: 202285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1	GAC-INFLUENT	Total/NA	Water	537 DW	
410-65486-1 - DL	GAC-INFLUENT	Total/NA	Water	537 DW	
410-65486-2	GAC-MIDFLUENT	Total/NA	Water	537 DW	
410-65486-3	GAC-EFFLUENT	Total/NA	Water	537 DW	
410-65486-4	PV-1_25	Total/NA	Water	537 DW	
410-65486-5	PV-1_50	Total/NA	Water	537 DW	
410-65486-6	PV-1_75	Total/NA	Water	537 DW	
MB 410-202285/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-202285/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-202285/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Prep Batch: 202711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1 - RE	GAC-INFLUENT	Total/NA	Water	537 (Mod)	
410-65486-2	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	
MB 410-202711/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-202711/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
LCSD 410-202711/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	

Analysis Batch: 202864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1	GAC-INFLUENT	Total/NA	Water	537 DW	202285
410-65486-1 - DL	GAC-INFLUENT	Total/NA	Water	537 DW	202285
410-65486-2	GAC-MIDFLUENT	Total/NA	Water	537 DW	202285
410-65486-3	GAC-EFFLUENT	Total/NA	Water	537 DW	202285
410-65486-4	PV-1_25	Total/NA	Water	537 DW	202285
410-65486-5	PV-1_50	Total/NA	Water	537 DW	202285
410-65486-6	PV-1_75	Total/NA	Water	537 DW	202285
MB 410-202285/1-A	Method Blank	Total/NA	Water	537 DW	202285
LCS 410-202285/2-A	Lab Control Sample	Total/NA	Water	537 DW	202285
LCSD 410-202285/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	202285

Analysis Batch: 203443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1 - RE	GAC-INFLUENT	Total/NA	Water	537 (Mod)	202711
410-65486-2	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	202711
MB 410-202711/1-A	Method Blank	Total/NA	Water	537 (Mod)	202711
LCS 410-202711/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	202711
LCSD 410-202711/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	202711

Prep Batch: 203585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1 - RE	GAC-INFLUENT	Total/NA	Water	537 DW	
410-65486-7	FTB01-211202	Total/NA	Water	537 DW	
410-65486-8	LTB01-211202	Total/NA	Water	537 DW	
LCS 410-203585/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-203585/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 203796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1 - RE	GAC-INFLUENT	Total/NA	Water	537 DW	203585

LCMS (Continued)

Analysis Batch: 203796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-7	FTB01-211202	Total/NA	Water	537 DW	203585
410-65486-8	LTB01-211202	Total/NA	Water	537 DW	203585
LCS 410-203585/2-A	Lab Control Sample	Total/NA	Water	537 DW	203585
LCSD 410-203585/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	203585

Prep Batch: 204131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1	GAC-INFLUENT	Total/NA	Water	537 (Mod)	
410-65486-2 - RE	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	
410-65486-3	GAC-EFFLUENT	Total/NA	Water	537 (Mod)	
410-65486-4	PV-1_25	Total/NA	Water	537 (Mod)	
410-65486-5	PV-1_50	Total/NA	Water	537 (Mod)	
410-65486-6	PV-1_75	Total/NA	Water	537 (Mod)	
410-65486-7	FTB01-211202	Total/NA	Water	537 (Mod)	
410-65486-8	LTB01-211202	Total/NA	Water	537 (Mod)	
MB 410-204131/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-204131/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
LCSD 410-204131/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	

Analysis Batch: 204540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-65486-1	GAC-INFLUENT	Total/NA	Water	537 (Mod)	204131
410-65486-2 - RE	GAC-MIDFLUENT	Total/NA	Water	537 (Mod)	204131
410-65486-3	GAC-EFFLUENT	Total/NA	Water	537 (Mod)	204131
410-65486-4	PV-1_25	Total/NA	Water	537 (Mod)	204131
410-65486-5	PV-1_50	Total/NA	Water	537 (Mod)	204131
410-65486-6	PV-1_75	Total/NA	Water	537 (Mod)	204131
410-65486-7	FTB01-211202	Total/NA	Water	537 (Mod)	204131
410-65486-8	LTB01-211202	Total/NA	Water	537 (Mod)	204131
MB 410-204131/1-A	Method Blank	Total/NA	Water	537 (Mod)	204131
LCS 410-204131/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	204131
LCSD 410-204131/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	204131

Lab Chronicle

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

Job ID: 410-65486-1
SDG: HOO

Client Sample ID: GAC-INFLUENT
Lab Sample ID: 410-65486-1

Date Collected: 12/02/21 11:05
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)	RE		202711	12/08/21 06:26	PR5J	ELLE
Total/NA	Analysis	537 (Mod)	RE	1	203443	12/09/21 19:03	ZG8V	ELLE
Total/NA	Prep	537 (Mod)			204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	204540	12/13/21 11:26	I5JH	ELLE
Total/NA	Prep	537 DW			202285	12/07/21 08:33	RDL8	ELLE
Total/NA	Analysis	537 DW		1	202864	12/08/21 22:53	PY4D	ELLE
Total/NA	Prep	537 DW	DL		202285	12/07/21 08:33	RDL8	ELLE
Total/NA	Analysis	537 DW	DL	10	202864	12/08/21 23:04	PY4D	ELLE
Total/NA	Prep	537 DW	RE		203585	12/09/21 16:55	GU2F	ELLE
Total/NA	Analysis	537 DW	RE	1	203796	12/10/21 11:02	VK3G	ELLE

Client Sample ID: GAC-MIDFLUENT
Lab Sample ID: 410-65486-2

Date Collected: 12/02/21 11:10
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			202711	12/08/21 06:26	PR5J	ELLE
Total/NA	Analysis	537 (Mod)		1	203443	12/09/21 19:14	ZG8V	ELLE
Total/NA	Prep	537 (Mod)	RE		204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)	RE	1	204540	12/13/21 11:37	I5JH	ELLE
Total/NA	Prep	537 DW			202285	12/07/21 08:33	RDL8	ELLE
Total/NA	Analysis	537 DW		1	202864	12/08/21 23:16	PY4D	ELLE

Client Sample ID: GAC-EFFLUENT
Lab Sample ID: 410-65486-3

Date Collected: 12/02/21 11:15
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	204540	12/13/21 11:48	I5JH	ELLE
Total/NA	Prep	537 DW			202285	12/07/21 08:33	RDL8	ELLE
Total/NA	Analysis	537 DW		1	202864	12/08/21 23:27	PY4D	ELLE

Client Sample ID: PV-1_25
Lab Sample ID: 410-65486-4

Date Collected: 12/02/21 11:20
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	204540	12/13/21 11:59	I5JH	ELLE
Total/NA	Prep	537 DW			202285	12/07/21 08:33	RDL8	ELLE
Total/NA	Analysis	537 DW		1	202864	12/08/21 23:40	PY4D	ELLE

Lab Chronicle

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

Job ID: 410-65486-1
SDG: HOO

Client Sample ID: PV-1_50
Lab Sample ID: 410-65486-5
Date Collected: 12/02/21 11:25
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	204540	12/13/21 12:11	I5JH	ELLE
Total/NA	Prep	537 DW			202285	12/07/21 08:33	RDL8	ELLE
Total/NA	Analysis	537 DW		1	202864	12/08/21 23:52	PY4D	ELLE

Client Sample ID: PV-1_75
Lab Sample ID: 410-65486-6
Date Collected: 12/02/21 11:30
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	204540	12/13/21 12:22	I5JH	ELLE
Total/NA	Prep	537 DW			202285	12/07/21 08:33	RDL8	ELLE
Total/NA	Analysis	537 DW		1	202864	12/09/21 00:03	PY4D	ELLE

Client Sample ID: FTB01-211202
Lab Sample ID: 410-65486-7
Date Collected: 12/02/21 11:35
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	204540	12/13/21 12:33	I5JH	ELLE
Total/NA	Prep	537 DW			203585	12/09/21 17:49	GU2F	ELLE
Total/NA	Analysis	537 DW		1	203796	12/10/21 12:36	VK3G	ELLE

Client Sample ID: LTB01-211202
Lab Sample ID: 410-65486-8
Date Collected: 12/02/21 00:00
Matrix: Water
Date Received: 12/03/21 11:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			204131	12/11/21 02:51	ZWK6	ELLE
Total/NA	Analysis	537 (Mod)		1	204540	12/13/21 12:44	I5JH	ELLE
Total/NA	Prep	537 DW			203585	12/09/21 16:55	GU2F	ELLE
Total/NA	Analysis	537 DW		1	203796	12/10/21 12:48	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: 410-65486-1
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: 410-65486-1
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: 410-65486-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-65486-1	GAC-INFLUENT	Water	12/02/21 11:05	12/03/21 11:10
410-65486-2	GAC-MIDFLUENT	Water	12/02/21 11:10	12/03/21 11:10
410-65486-3	GAC-EFFLUENT	Water	12/02/21 11:15	12/03/21 11:10
410-65486-4	PV-1_25	Water	12/02/21 11:20	12/03/21 11:10
410-65486-5	PV-1_50	Water	12/02/21 11:25	12/03/21 11:10
410-65486-6	PV-1_75	Water	12/02/21 11:30	12/03/21 11:10
410-65486-7	FTB01-211202	Water	12/02/21 11:35	12/03/21 11:10
410-65486-8	LTB01-211202	Water	12/02/21 00:00	12/03/21 11:10

Chain of Custod

eurofins Environment Testing America

410-65486 Chain of Custody

Client Information	Sampler: C. Olmsted	ng No(s):	COC No: 410-13086-232 2
Client Contact: Jonathan Dippert, Kirk Moline	Phone:	NY	Page: Page 2 of 2
Company: CT Male Associates DPC	PWSID:		Job #:
Address: 50 Century Hill Dr	Due Date Requested:		
City: Latham	TAT Requested (days): Standard		
State, Zip: NY, 12110	Compliance Project: Δ Yes Δ No		
Phone:	PO #: 14 4756		
Email: j.dippert@ctmale.com, K.Moline@CTMale.com	WO #:		
Project Name: Hoosick Falls WTP	Project #: 41000511		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - (MOD) 7 PFAS Compounds	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	Z		
GAC-INFLUENT	12/2/21	1105	G	Water			X	X	4	PFAS QC Data Due
GAC-MIDFLUENT		1110	G	Water			X	X	4	
GAC-EFFLUENT		1115	G	Water			X	X	4	
PV-1_25		1120	G	Water			X	X	4	
PV-1_50		1125	G	Water			X	X	4	
PV-1_75		1130	G	Water			X	X	4	
FTB01-211202		1135	G	Water			X	X	4	
LTB01-211202		—	-	Water			X	X	4	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		12/2/21 1500	CTM			
2						
3					12/3/21 1110	ELE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 9

Ver 01/16/2019

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-65486-1
SDG Number: HOO

Login Number: 65486
List Number: 1
Creator: Cunningham, Abigail

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	