eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Kirk Moline
CT Male Associates DPC
50 Century Hill Dr
Latham, New York 12110

Generated 12/19/2022 8:40:01 AM

JOB DESCRIPTION

Hoosick Falls WTP
SDG NUMBER HOO

JOB NUMBER

410-107636-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated
12/19/2022 8:40:01 AM

Authorized for release by
Paul Hobart, Project Manager
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Compliance Statement

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.

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.

Table of Contents

Qualifiers

LCMS

Qualifier	Qualifier Description
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: 410-107636-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-107636-1

Receipt

The samples were received on 12/2/2022 9:50 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 3.6°C

PFAS

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: 410-107636-1
SDG: HOO

Client Sample ID: GAC Influent — Lab Sample ID: 410-107636-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide	4.7		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.7		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	8.5		1.9		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	9.7		1.9		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.3		1.9		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	320		19		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midfluent — Lab Sample ID: 410-107636-2

No Detections.

Client Sample ID: GAC Effluent — Lab Sample ID: 410-107636-3

No Detections.

Client Sample ID: FTB01-221201 — Lab Sample ID: 410-107636-4

No Detections.

Client Sample ID: LTB01-221201 — Lab Sample ID: 410-107636-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: GAC Influent

Date Collected: 12/01/22 09:25
Date Received: 12/02/22 09:50

Lab Sample ID: 410-107636-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.6	U	4.6		ng/L		12/12/22 07:52	12/16/22 09:51	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		12/12/22 07:52	12/16/22 09:51	1
Perfluorobutanoic acid	4.6	U	4.6		ng/L		12/12/22 07:52	12/16/22 09:51	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		12/12/22 07:52	12/16/22 09:51	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		12/12/22 07:52	12/16/22 09:51	1
Perfluorooctanesulfonamide	**4.7**		1.8		ng/L		12/12/22 07:52	12/16/22 09:51	1
Perfluoropentanoic acid	**2.7**		1.8		ng/L		12/12/22 07:52	12/16/22 09:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*119*		*17 - 200*	*12/12/22 07:52*	*12/16/22 09:51*	*1*
M2-8:2 FTS	*115*		*33 - 200*	*12/12/22 07:52*	*12/16/22 09:51*	*1*
13C4 PFBA	*138*		*42 - 165*	*12/12/22 07:52*	*12/16/22 09:51*	*1*
13C5 PFPeA	*156*		*38 - 187*	*12/12/22 07:52*	*12/16/22 09:51*	*1*
13C8 PFOS	*152*		*51 - 159*	*12/12/22 07:52*	*12/16/22 09:51*	*1*
13C8 FOSA	*115*		*10 - 168*	*12/12/22 07:52*	*12/16/22 09:51*	*1*
13C3 PFHxS	*153*		*28 - 188*	*12/12/22 07:52*	*12/16/22 09:51*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**8.5**		1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluoroheptanoic acid	**9.7**		1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorooctanesulfonic acid	**3.3**		1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
NEtFOSAA	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
NMeFOSAA	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		12/06/22 12:37	12/07/22 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*90*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:23*	*1*
13C2 PFDA	*117*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:23*	*1*
13C2 PFHxA	*105*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**320**		19		ng/L		12/06/22 12:37	12/09/22 04:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*82*		*70 - 130*	*12/06/22 12:37*	*12/09/22 04:10*	*10*
13C2 PFDA	*84*		*70 - 130*	*12/06/22 12:37*	*12/09/22 04:10*	*10*
13C2 PFHxA	*89*		*70 - 130*	*12/06/22 12:37*	*12/09/22 04:10*	*10*

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

Job ID: 410-107636-1
SDG: HOO

Client Sample ID: GAC Midfluent

Date Collected: 12/01/22 09:30
Date Received: 12/02/22 09:50

Lab Sample ID: 410-107636-2

Matrix: Water

Method: EPA 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		12/12/22 07:52	12/16/22 10:02	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		12/12/22 07:52	12/16/22 10:02	1
Perfluorobutanoic acid	4.2	U	4.2		ng/L		12/12/22 07:52	12/16/22 10:02	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:02	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:02	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:02	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*92*		*17 - 200*	*12/12/22 07:52*	*12/16/22 10:02*	*1*
M2-8:2 FTS	*87*		*33 - 200*	*12/12/22 07:52*	*12/16/22 10:02*	*1*
13C4 PFBA	*111*		*42 - 165*	*12/12/22 07:52*	*12/16/22 10:02*	*1*
13C5 PFPeA	*108*		*38 - 187*	*12/12/22 07:52*	*12/16/22 10:02*	*1*
13C8 PFOS	*122*		*51 - 159*	*12/12/22 07:52*	*12/16/22 10:02*	*1*
13C8 FOSA	*97*		*10 - 168*	*12/12/22 07:52*	*12/16/22 10:02*	*1*
13C3 PFHxS	*104*		*28 - 188*	*12/12/22 07:52*	*12/16/22 10:02*	*1*

Method: EPA 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		12/06/22 12:37	12/07/22 20:35	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
NEtFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
NMeFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*88*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:35*	*1*
13C2 PFDA	*94*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:35*	*1*
13C2 PFHxA	*96*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:35*	*1*

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

Job ID: 410-107636-1
SDG: HOO

Client Sample ID: GAC Effluent

Date Collected: 12/01/22 09:33
Date Received: 12/02/22 09:50

Lab Sample ID: 410-107636-3

Matrix: Water

Method: EPA 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		12/12/22 07:52	12/16/22 10:13	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		12/12/22 07:52	12/16/22 10:13	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		12/12/22 07:52	12/16/22 10:13	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:13	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:13	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:13	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*98*		*17 - 200*	*12/12/22 07:52*	*12/16/22 10:13*	*1*
M2-8:2 FTS	*93*		*33 - 200*	*12/12/22 07:52*	*12/16/22 10:13*	*1*
13C4 PFBA	*126*		*42 - 165*	*12/12/22 07:52*	*12/16/22 10:13*	*1*
13C5 PFPeA	*123*		*38 - 187*	*12/12/22 07:52*	*12/16/22 10:13*	*1*
13C8 PFOS	*133*		*51 - 159*	*12/12/22 07:52*	*12/16/22 10:13*	*1*
13C8 FOSA	*107*		*10 - 168*	*12/12/22 07:52*	*12/16/22 10:13*	*1*
13C3 PFHxS	*115*		*28 - 188*	*12/12/22 07:52*	*12/16/22 10:13*	*1*

Method: EPA 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		12/06/22 12:37	12/07/22 20:47	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
NEtFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
NMeFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*100*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:47*	*1*
13C2 PFDA	*94*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:47*	*1*
13C2 PFHxA	*96*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:47*	*1*

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

Job ID: 410-107636-1
SDG: HOO

Client Sample ID: FTB01-221201
Date Collected: 12/01/22 10:00
Date Received: 12/02/22 09:50

Lab Sample ID: 410-107636-4
Matrix: Water

Method: EPA 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		12/12/22 07:52	12/16/22 10:25	1
8:2 Fluorotelomer sulfonic acid	2.5	U	2.5		ng/L		12/12/22 07:52	12/16/22 10:25	1
Perfluorobutanoic acid	4.1	U	4.1		ng/L		12/12/22 07:52	12/16/22 10:25	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:25	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:25	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:25	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		12/12/22 07:52	12/16/22 10:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*110*		*17 - 200*	*12/12/22 07:52*	*12/16/22 10:25*	*1*
M2-8:2 FTS	*100*		*33 - 200*	*12/12/22 07:52*	*12/16/22 10:25*	*1*
13C4 PFBA	*132*		*42 - 165*	*12/12/22 07:52*	*12/16/22 10:25*	*1*
13C5 PFPeA	*134*		*38 - 187*	*12/12/22 07:52*	*12/16/22 10:25*	*1*
13C8 PFOS	*142*		*51 - 159*	*12/12/22 07:52*	*12/16/22 10:25*	*1*
13C8 FOSA	*113*		*10 - 168*	*12/12/22 07:52*	*12/16/22 10:25*	*1*
13C3 PFHxS	*122*		*28 - 188*	*12/12/22 07:52*	*12/16/22 10:25*	*1*

Method: EPA 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		12/06/22 12:37	12/07/22 20:58	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
NEtFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
NMeFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*92*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:58*	*1*
13C2 PFDA	*94*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:58*	*1*
13C2 PFHxA	*91*		*70 - 130*	*12/06/22 12:37*	*12/07/22 20:58*	*1*

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

Job ID: 410-107636-1
SDG: HOO

Client Sample ID: LTB01-221201
Date Collected: 12/01/22 00:00
Date Received: 12/02/22 09:50

Lab Sample ID: 410-107636-5
Matrix: Water

Method: EPA 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		12/12/22 07:52	12/16/22 10:36	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		12/12/22 07:52	12/16/22 10:36	1
Perfluorobutanoic acid	4.7	U	4.7		ng/L		12/12/22 07:52	12/16/22 10:36	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		12/12/22 07:52	12/16/22 10:36	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		12/12/22 07:52	12/16/22 10:36	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		12/12/22 07:52	12/16/22 10:36	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		12/12/22 07:52	12/16/22 10:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*134*		*17 - 200*	*12/12/22 07:52*	*12/16/22 10:36*	*1*
M2-8:2 FTS	*121*		*33 - 200*	*12/12/22 07:52*	*12/16/22 10:36*	*1*
13C4 PFBA	*152*		*42 - 165*	*12/12/22 07:52*	*12/16/22 10:36*	*1*
13C5 PFPeA	*163*		*38 - 187*	*12/12/22 07:52*	*12/16/22 10:36*	*1*
13C8 PFOS	*158*		*51 - 159*	*12/12/22 07:52*	*12/16/22 10:36*	*1*
13C8 FOSA	*128*		*10 - 168*	*12/12/22 07:52*	*12/16/22 10:36*	*1*
13C3 PFHxS	*140*		*28 - 188*	*12/12/22 07:52*	*12/16/22 10:36*	*1*

Method: EPA 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		12/06/22 12:37	12/07/22 21:10	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
NEtFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
NMeFOSAA	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		12/06/22 12:37	12/07/22 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*86*		*70 - 130*	*12/06/22 12:37*	*12/07/22 21:10*	*1*
13C2 PFDA	*91*		*70 - 130*	*12/06/22 12:37*	*12/07/22 21:10*	*1*
13C2 PFHxA	*89*		*70 - 130*	*12/06/22 12:37*	*12/07/22 21:10*	*1*

Surrogate Summary

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

Job ID: 410-107636-1
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)						
410-107636-1	GAC Influent	90	117	105						
410-107636-1 - DL	GAC Influent	82	84	89						
410-107636-2	GAC Midfluent	88	94	96						
410-107636-3	GAC Effluent	100	94	96						
410-107636-4	FTB01-221201	92	94	91						
410-107636-5	LTB01-221201	86	91	89						
LCS 410-324127/2-A	Lab Control Sample	99	100	91						
LCSD 410-324127/3-A	Lab Control Sample Dup	98	102	93						
MB 410-324127/1-A	Method Blank	103	101	93						

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: 410-107636-1
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)
410-107636-1	GAC Influent	119	115	138	156	152	115	153
410-107636-2	GAC Midfluent	92	87	111	108	122	97	104
410-107636-3	GAC Effluent	98	93	126	123	133	107	115
410-107636-4	FTB01-221201	110	100	132	134	142	113	122
410-107636-5	LTB01-221201	134	121	152	163	158	128	140
LCS 410-325907/3-A	Lab Control Sample	116	106	138	148	143	108	126
MB 410-325907/1-A	Method Blank	96	88	119	126	125	94	112

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 410-325907/1-A
Matrix: Water
Analysis Batch: 327806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 325907

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		12/12/22 07:52	12/16/22 08:45	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		12/12/22 07:52	12/16/22 08:45	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		12/12/22 07:52	12/16/22 08:45	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		12/12/22 07:52	12/16/22 08:45	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		12/12/22 07:52	12/16/22 08:45	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		12/12/22 07:52	12/16/22 08:45	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		12/12/22 07:52	12/16/22 08:45	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*96*		*17 - 200*	*12/12/22 07:52*	*12/16/22 08:45*	*1*
M2-8:2 FTS	*88*		*33 - 200*	*12/12/22 07:52*	*12/16/22 08:45*	*1*
13C4 PFBA	*119*		*42 - 165*	*12/12/22 07:52*	*12/16/22 08:45*	*1*
13C5 PFPeA	*126*		*38 - 187*	*12/12/22 07:52*	*12/16/22 08:45*	*1*
13C8 PFOS	*125*		*51 - 159*	*12/12/22 07:52*	*12/16/22 08:45*	*1*
13C8 FOSA	*94*		*10 - 168*	*12/12/22 07:52*	*12/16/22 08:45*	*1*
13C3 PFHxS	*112*		*28 - 188*	*12/12/22 07:52*	*12/16/22 08:45*	*1*

Lab Sample ID: LCS 410-325907/3-A
Matrix: Water
Analysis Batch: 327806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 325907

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
6:2 Fluorotelomer sulfonic acid			24.3	21.2		ng/L		87	28 - 173		
8:2 Fluorotelomer sulfonic acid			24.5	20.0		ng/L		82	55 - 138		
Perfluorobutanoic acid			25.6	18.8		ng/L		74	59 - 136		
Perfluorodecanesulfonic acid			24.7	17.0		ng/L		69	55 - 137		
Perfluoroheptanesulfonic acid			24.4	17.5		ng/L		72	56 - 140		
Perfluorooctanesulfonamide			25.6	20.9		ng/L		82	43 - 167		
Perfluoropentanoic acid			25.6	19.5		ng/L		76	57 - 141		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*116*		*17 - 200*
M2-8:2 FTS	*106*		*33 - 200*
13C4 PFBA	*138*		*42 - 165*
13C5 PFPeA	*148*		*38 - 187*
13C8 PFOS	*143*		*51 - 159*
13C8 FOSA	*108*		*10 - 168*
13C3 PFHxS	*126*		*28 - 188*

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

Lab Sample ID: MB 410-324127/1-A
Matrix: Water
Analysis Batch: 325103

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 324127

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1

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

Lab Sample ID: MB 410-324127/1-A
Matrix: Water
Analysis Batch: 325103

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 324127

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
NEtFOSAA	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
NMeFOSAA	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		12/06/22 12:37	12/07/22 18:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*103*		*70 - 130*	*12/06/22 12:37*	*12/07/22 18:14*	*1*
13C2 PFDA	*101*		*70 - 130*	*12/06/22 12:37*	*12/07/22 18:14*	*1*
13C2 PFHxA	*93*		*70 - 130*	*12/06/22 12:37*	*12/07/22 18:14*	*1*

Lab Sample ID: LCS 410-324127/2-A
Matrix: Water
Analysis Batch: 325103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 324127

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorohexanoic acid			20.5	16.9		ng/L		83	70 - 130		
Perfluoroheptanoic acid			20.5	17.9		ng/L		87	70 - 130		
Perfluorooctanoic acid			20.5	17.5		ng/L		86	70 - 130		
Perfluorononanoic acid			20.5	18.5		ng/L		90	70 - 130		
Perfluorodecanoic acid			20.5	18.7		ng/L		91	70 - 130		
Perfluorotridecanoic acid			20.5	18.3		ng/L		90	70 - 130		
Perfluorotetradecanoic acid			20.5	17.8		ng/L		87	70 - 130		
Perfluorobutanesulfonic acid			18.1	12.9		ng/L		71	70 - 130		
Perfluorohexanesulfonic acid			18.7	16.5		ng/L		88	70 - 130		
Perfluorooctanesulfonic acid			19.0	16.0		ng/L		84	70 - 130		
NEtFOSAA			20.5	16.3		ng/L		79	70 - 130		
NMeFOSAA			20.5	16.2		ng/L		79	70 - 130		
Perfluoroundecanoic acid			20.5	18.0		ng/L		88	70 - 130		
Perfluorododecanoic acid			20.5	17.0		ng/L		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*99*		*70 - 130*
13C2 PFDA	*100*		*70 - 130*
13C2 PFHxA	*91*		*70 - 130*

Lab Sample ID: LCSD 410-324127/3-A
Matrix: Water
Analysis Batch: 325103

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 324127

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid			20.5	17.9		ng/L		87	70 - 130	5	30

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

Lab Sample ID: LCSD 410-324127/3-A
Matrix: Water
Analysis Batch: 325103

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 324127

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroheptanoic acid			20.5	19.3		ng/L		94	70 - 130	8	30
Perfluorooctanoic acid			20.5	19.6		ng/L		96	70 - 130	11	30
Perfluorononanoic acid			20.5	18.9		ng/L		92	70 - 130	2	30
Perfluorodecanoic acid			20.5	18.2		ng/L		89	70 - 130	2	30
Perfluorotridecanoic acid			20.5	18.3		ng/L		90	70 - 130	0	30
Perfluorotetradecanoic acid			20.5	18.3		ng/L		89	70 - 130	3	30
Perfluorobutanesulfonic acid			18.1	13.5		ng/L		74	70 - 130	4	30
Perfluorohexanesulfonic acid			18.7	17.2		ng/L		92	70 - 130	4	30
Perfluorooctanesulfonic acid			19.0	16.9		ng/L		89	70 - 130	6	30
NEtFOSAA			20.5	17.1		ng/L		83	70 - 130	5	30
NMeFOSAA			20.5	17.3		ng/L		85	70 - 130	7	30
Perfluoroundecanoic acid			20.5	19.6		ng/L		96	70 - 130	9	30
Perfluorododecanoic acid			20.5	19.4		ng/L		95	70 - 130	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*98*		*70 - 130*
13C2 PFDA	*102*		*70 - 130*
13C2 PFHxA	*93*		*70 - 130*

LCMS

Prep Batch: 324127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-107636-1	GAC Influent	Total/NA	Water	537 DW	
410-107636-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-107636-2	GAC Midfluent	Total/NA	Water	537 DW	
410-107636-3	GAC Effluent	Total/NA	Water	537 DW	
410-107636-4	FTB01-221201	Total/NA	Water	537 DW	
410-107636-5	LTB01-221201	Total/NA	Water	537 DW	
MB 410-324127/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-324127/2-A	Lab Control Sample	Total/NA	Water	537 DW	
LCSD 410-324127/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	

Analysis Batch: 325103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-107636-1	GAC Influent	Total/NA	Water	537 DW	324127
410-107636-2	GAC Midfluent	Total/NA	Water	537 DW	324127
410-107636-3	GAC Effluent	Total/NA	Water	537 DW	324127
410-107636-4	FTB01-221201	Total/NA	Water	537 DW	324127
410-107636-5	LTB01-221201	Total/NA	Water	537 DW	324127
MB 410-324127/1-A	Method Blank	Total/NA	Water	537 DW	324127
LCS 410-324127/2-A	Lab Control Sample	Total/NA	Water	537 DW	324127
LCSD 410-324127/3-A	Lab Control Sample Dup	Total/NA	Water	537 DW	324127

Analysis Batch: 325130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-107636-1 - DL	GAC Influent	Total/NA	Water	537 DW	324127

Prep Batch: 325907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-107636-1	GAC Influent	Total/NA	Water	537 (Mod)	
410-107636-2	GAC Midfluent	Total/NA	Water	537 (Mod)	
410-107636-3	GAC Effluent	Total/NA	Water	537 (Mod)	
410-107636-4	FTB01-221201	Total/NA	Water	537 (Mod)	
410-107636-5	LTB01-221201	Total/NA	Water	537 (Mod)	
MB 410-325907/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-325907/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Analysis Batch: 327806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-107636-1	GAC Influent	Total/NA	Water	537 (Mod)	325907
410-107636-2	GAC Midfluent	Total/NA	Water	537 (Mod)	325907
410-107636-3	GAC Effluent	Total/NA	Water	537 (Mod)	325907
410-107636-4	FTB01-221201	Total/NA	Water	537 (Mod)	325907
410-107636-5	LTB01-221201	Total/NA	Water	537 (Mod)	325907
MB 410-325907/1-A	Method Blank	Total/NA	Water	537 (Mod)	325907
LCS 410-325907/3-A	Lab Control Sample	Total/NA	Water	537 (Mod)	325907

Lab Chronicle

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

Job ID: 410-107636-1
SDG: HOO

Client Sample ID: GAC Influent
Lab Sample ID: 410-107636-1
Date Collected: 12/01/22 09:25
Matrix: Water
Date Received: 12/02/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			325907	M4QQ	ELLE	12/12/22 07:52
Total/NA	Analysis	537 (Mod)		1	327806	VK3G	ELLE	12/16/22 09:51
Total/NA	Prep	537 DW			324127	HQ8B	ELLE	12/06/22 12:37
Total/NA	Analysis	537 DW		1	325103	DCS9	ELLE	12/07/22 20:23
Total/NA	Prep	537 DW	DL		324127	HQ8B	ELLE	12/06/22 12:37
Total/NA	Analysis	537 DW	DL	10	325130	DCS9	ELLE	12/09/22 04:10

Client Sample ID: GAC Midfluent
Lab Sample ID: 410-107636-2
Date Collected: 12/01/22 09:30
Matrix: Water
Date Received: 12/02/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			325907	M4QQ	ELLE	12/12/22 07:52
Total/NA	Analysis	537 (Mod)		1	327806	VK3G	ELLE	12/16/22 10:02
Total/NA	Prep	537 DW			324127	HQ8B	ELLE	12/06/22 12:37
Total/NA	Analysis	537 DW		1	325103	DCS9	ELLE	12/07/22 20:35

Client Sample ID: GAC Effluent
Lab Sample ID: 410-107636-3
Date Collected: 12/01/22 09:33
Matrix: Water
Date Received: 12/02/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			325907	M4QQ	ELLE	12/12/22 07:52
Total/NA	Analysis	537 (Mod)		1	327806	VK3G	ELLE	12/16/22 10:13
Total/NA	Prep	537 DW			324127	HQ8B	ELLE	12/06/22 12:37
Total/NA	Analysis	537 DW		1	325103	DCS9	ELLE	12/07/22 20:47

Client Sample ID: FTB01-221201
Lab Sample ID: 410-107636-4
Date Collected: 12/01/22 10:00
Matrix: Water
Date Received: 12/02/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			325907	M4QQ	ELLE	12/12/22 07:52
Total/NA	Analysis	537 (Mod)		1	327806	VK3G	ELLE	12/16/22 10:25
Total/NA	Prep	537 DW			324127	HQ8B	ELLE	12/06/22 12:37
Total/NA	Analysis	537 DW		1	325103	DCS9	ELLE	12/07/22 20:58

Client Sample ID: LTB01-221201
Lab Sample ID: 410-107636-5
Date Collected: 12/01/22 00:00
Matrix: Water
Date Received: 12/02/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537 (Mod)			325907	M4QQ	ELLE	12/12/22 07:52
Total/NA	Analysis	537 (Mod)		1	327806	VK3G	ELLE	12/16/22 10:36
Total/NA	Prep	537 DW			324127	HQ8B	ELLE	12/06/22 12:37
Total/NA	Analysis	537 DW		1	325103	DCS9	ELLE	12/07/22 21:10

Lab Chronicle

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

Job ID: 410-107636-1
SDG: HOO

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: 410-107636-1
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
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: 410-107636-1
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: 410-107636-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-107636-1	GAC Influent	Water	12/01/22 09:25	12/02/22 09:50
410-107636-2	GAC Midfluent	Water	12/01/22 09:30	12/02/22 09:50
410-107636-3	GAC Effluent	Water	12/01/22 09:33	12/02/22 09:50
410-107636-4	FTB01-221201	Water	12/01/22 10:00	12/02/22 09:50
410-107636-5	LTB01-221201	Water	12/01/22 00:00	12/02/22 09:50

410-107636 Chain of Custody

vironme

Chain of Custody Record

eurofins Environment Testing America

Client Contact: Jonathan Dippert, Kirk Moline	Sampler: C. Ormsby	Lab PM: Hobart, Paul	Carrier Tracking No(s):	COC No: 410-42502-12960.1
Company: CT Male Associates DPC	Phone:	E-Mail: Paul.Hobart@et.eurofinsus.com	State of Origin: NY	Page: Page ~~1 of 2~~ 1 of 1
Address: 50 Century Hill Dr	PWSID:	Analysis Requested		Job #:
City: Latham	Due Date Requested:			
State, Zip: NY, 12110	TAT Requested (days): Standard			
Phone:	Compliance Project: Δ Yes Δ No			
Email: j.dippert@ctmale.com, K.Moline@Ctmale.com	PO #: Purchase Order not required			
Project Name: Hoosick Falls WTP	WO #:			
Site: 14.4756	Project #: 41000511			
	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)	PFC_IDA - (MOD) 7 PFAS Compounds	537_DW - 14 PFAS Drinking Water List	537_DW - 14 PFAS Drinking Water List	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	Y	N		
GAC INFLUENT	12/1/22	0925	G	Water		X	X			
GAC MIDFLUENT		0930	G	Water		X	X			
GAC EFFLUENT		0933	G	Water		X	X			
FTB01-221201		1000	G	Water		X	X			
LTB01-221201		—	G	Water		X	X			
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

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: 12/1/22 1435	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time: 12/1/22 1625	Company CM	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time: 12/2/22 0950	Company

Custody Seals Intact: X Yes Δ No

Custody Seal No.:

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

C.O. 12/1/22

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-107636-1
SDG Number: HOO

Login Number: 107636
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)?	N/A	