eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/26/2023 2:07:43 AM

JOB DESCRIPTION

Hoosick Falls WTP
SDG NUMBER HOO

JOB NUMBER

410-133677-1

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

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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
7/26/2023 2:07:43 AM

Authorized for release by
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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.

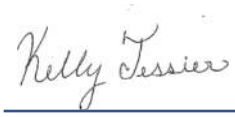

Table of Contents

Definitions/Glossary

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

Job ID: 410-133677-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
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
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: 410-133677-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-133677-1

Receipt

The samples were received on 7/7/2023 10:00 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 2.7°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: 410-133677-1
SDG: HOO

Client Sample ID: GAC Influent — Lab Sample ID: 410-133677-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid	2.1		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid	8.1		1.7		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	8.7		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	2.9		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	330		17		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midlfuent — Lab Sample ID: 410-133677-2

No Detections.

Client Sample ID: GAC Effluent — Lab Sample ID: 410-133677-3

No Detections.

Client Sample ID: FTB01-230706 — Lab Sample ID: 410-133677-4

No Detections.

Client Sample ID: LTB01-230706 — Lab Sample ID: 410-133677-5

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-133677-1
SDG: HOO

Client Sample ID: GAC Influent
Date Collected: 07/06/23 10:10
Date Received: 07/07/23 10:00

Lab Sample ID: 410-133677-1
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances
Lab: Eurofins Burlington

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.5	U	4.5		ng/L		07/12/23 14:10	07/13/23 05:08	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:08	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		07/12/23 14:10	07/13/23 05:08	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:08	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:08	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:08	1
Perfluoropentanoic acid	**2.1**		1.8		ng/L		07/12/23 14:10	07/13/23 05:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*106*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:08*	*1*
M2-6:2 FTS	*96*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:08*	*1*
M2-8:2 FTS	*95*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:08*	*1*
13C4 PFBA	*103*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:08*	*1*
13C5 PFPeA	*101*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:08*	*1*
13C8 FOSA	*87*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**8.1**		1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluoroheptanoic acid	**8.7**		1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorooctanesulfonic acid	**2.9**		1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
NEtFOSAA	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
NMeFOSAA	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*103*		*70 - 130*	*07/10/23 16:11*	*07/21/23 17:59*	*1*
13C2 PFDA	*119*		*70 - 130*	*07/10/23 16:11*	*07/21/23 17:59*	*1*
13C2 PFHxA	*121*		*70 - 130*	*07/10/23 16:11*	*07/21/23 17:59*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**330**		17		ng/L		07/10/23 16:11	07/24/23 17:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*103*		*70 - 130*	*07/10/23 16:11*	*07/24/23 17:43*	*10*
13C2 PFDA	*107*		*70 - 130*	*07/10/23 16:11*	*07/24/23 17:43*	*10*
13C2 PFHxA	*113*		*70 - 130*	*07/10/23 16:11*	*07/24/23 17:43*	*10*

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

Job ID: 410-133677-1
SDG: HOO

Client Sample ID: GAC Midlfuent
Date Collected: 07/06/23 10:15
Date Received: 07/07/23 10:00

Lab Sample ID: 410-133677-2
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Lab: Eurofins Burlington

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.4	U	4.4		ng/L		07/12/23 14:10	07/13/23 05:17	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:17	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		07/12/23 14:10	07/13/23 05:17	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:17	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:17	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:17	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		07/12/23 14:10	07/13/23 05:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*94*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:17*	*1*
M2-6:2 FTS	*94*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:17*	*1*
M2-8:2 FTS	*88*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:17*	*1*
13C4 PFBA	*102*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:17*	*1*
13C5 PFPeA	*99*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:17*	*1*
13C8 FOSA	*90*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:17*	*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		07/10/23 16:11	07/21/23 18:34	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
NEtFOSAA	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
NMeFOSAA	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		07/10/23 16:11	07/21/23 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*103*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:34*	*1*
13C2 PFDA	*100*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:34*	*1*
13C2 PFHxA	*105*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:34*	*1*

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

Job ID: 410-133677-1
SDG: HOO

Client Sample ID: GAC Effluent

Date Collected: 07/06/23 10:20
Date Received: 07/07/23 10:00

Lab Sample ID: 410-133677-3

Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Lab: Eurofins Burlington

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.2	U	4.2		ng/L		07/12/23 14:10	07/13/23 05:25	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7		ng/L		07/12/23 14:10	07/13/23 05:25	1
Perfluorobutanoic acid	4.2	U	4.2		ng/L		07/12/23 14:10	07/13/23 05:25	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		07/12/23 14:10	07/13/23 05:25	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		07/12/23 14:10	07/13/23 05:25	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		07/12/23 14:10	07/13/23 05:25	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		07/12/23 14:10	07/13/23 05:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*97*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:25*	*1*
M2-6:2 FTS	*97*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:25*	*1*
M2-8:2 FTS	*88*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:25*	*1*
13C4 PFBA	*103*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:25*	*1*
13C5 PFPeA	*101*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:25*	*1*
13C8 FOSA	*94*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:25*	*1*

Method: EPA 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		07/10/23 16:11	07/21/23 18:46	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
NEtFOSAA	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
NMeFOSAA	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:46*	*1*
13C2 PFDA	*105*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:46*	*1*
13C2 PFHxA	*101*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:46*	*1*

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

Job ID: 410-133677-1
SDG: HOO

Client Sample ID: FTB01-230706
Date Collected: 07/06/23 10:25
Date Received: 07/07/23 10:00

Lab Sample ID: 410-133677-4
Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Lab: Eurofins Burlington

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.7	U	4.7		ng/L		07/12/23 14:10	07/13/23 05:33	1
8:2 Fluorotelomer sulfonic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:33	1
Perfluorobutanoic acid	4.7	U	4.7		ng/L		07/12/23 14:10	07/13/23 05:33	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:33	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:33	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:33	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*102*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:33*	*1*
M2-6:2 FTS	*111*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:33*	*1*
M2-8:2 FTS	*96*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:33*	*1*
13C4 PFBA	*110*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:33*	*1*
13C5 PFPeA	*115*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:33*	*1*
13C8 FOSA	*79*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:33*	*1*

Method: EPA 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		07/10/23 16:11	07/21/23 18:57	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
NEtFOSAA	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
NMeFOSAA	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		07/10/23 16:11	07/21/23 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*107*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:57*	*1*
13C2 PFDA	*104*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:57*	*1*
13C2 PFHxA	*103*		*70 - 130*	*07/10/23 16:11*	*07/21/23 18:57*	*1*

Client Sample ID: LTB01-230706

Date Collected: 07/06/23 00:00
Date Received: 07/07/23 10:00

Lab Sample ID: 410-133677-5

Matrix: Water

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Lab: Eurofins Burlington

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.7	U	4.7		ng/L		07/12/23 14:10	07/13/23 05:41	1
8:2 Fluorotelomer sulfonic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:41	1
Perfluorobutanoic acid	4.7	U	4.7		ng/L		07/12/23 14:10	07/13/23 05:41	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:41	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:41	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:41	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		07/12/23 14:10	07/13/23 05:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*109*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:41*	*1*
M2-6:2 FTS	*104*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:41*	*1*
M2-8:2 FTS	*93*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:41*	*1*
13C4 PFBA	*114*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:41*	*1*
13C5 PFPeA	*110*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:41*	*1*
13C8 FOSA	*84*		*50 - 150*	*07/12/23 14:10*	*07/13/23 05:41*	*1*

Method: EPA 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		07/10/23 16:11	07/21/23 19:09	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
NEtFOSAA	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
NMeFOSAA	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		07/10/23 16:11	07/21/23 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*102*		*70 - 130*	*07/10/23 16:11*	*07/21/23 19:09*	*1*
13C2 PFDA	*106*		*70 - 130*	*07/10/23 16:11*	*07/21/23 19:09*	*1*
13C2 PFHxA	*104*		*70 - 130*	*07/10/23 16:11*	*07/21/23 19:09*	*1*

Surrogate Summary

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

Job ID: 410-133677-1
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)
410-133677-1	GAC Influent	103	119	121
410-133677-1 - DL	GAC Influent	103	107	113
410-133677-1 MS	GAC Influent	103	127	122
410-133677-1 MSD	GAC Influent	104	115	119
410-133677-2	GAC Midlfuent	103	100	105
410-133677-3	GAC Effluent	97	105	101
410-133677-4	FTB01-230706	107	104	103
410-133677-5	LTB01-230706	102	106	104
LCS 410-395292/2-A	Lab Control Sample	104	107	105
MB 410-395292/1-A	Method Blank	101	104	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: 410-133677-1
SDG: HOO

Method: 537 (modified) - Fluorinated Alkyl Substances

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

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFOS (50-150)	M262FTS (50-150)	M282FTS (50-150)	PFBA (50-150)	PFPeA (50-150)	PFOSA (50-150)		
410-133677-1	GAC Influent	106	96	95	103	101	87		
410-133677-2	GAC Midlfuent	94	94	88	102	99	90		
410-133677-3	GAC Effluent	97	97	88	103	101	94		
410-133677-4	FTB01-230706	102	111	96	110	115	79		
410-133677-5	LTB01-230706	109	104	93	114	110	84		
LCS 200-193480/2-A	Lab Control Sample	108	100	96	106	105	93		
LCSD 200-193480/3-A	Lab Control Sample Dup	105	98	100	108	104	94		
MB 200-193480/1-A	Method Blank	102	94	97	106	105	80		

Surrogate Legend

PFOS = 13C4 PFOS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFOSA = 13C8 FOSA

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-193480/1-A
Matrix: Water
Analysis Batch: 193483

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 193480

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		07/12/23 14:10	07/13/23 02:33	1
8:2 Fluorotelomer sulfonic acid	2.0	U	2.0		ng/L		07/12/23 14:10	07/13/23 02:33	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		07/12/23 14:10	07/13/23 02:33	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		07/12/23 14:10	07/13/23 02:33	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		07/12/23 14:10	07/13/23 02:33	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		07/12/23 14:10	07/13/23 02:33	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		07/12/23 14:10	07/13/23 02:33	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFOS	*102*		*50 - 150*	*07/12/23 14:10*	*07/13/23 02:33*	*1*
M2-6:2 FTS	*94*		*50 - 150*	*07/12/23 14:10*	*07/13/23 02:33*	*1*
M2-8:2 FTS	*97*		*50 - 150*	*07/12/23 14:10*	*07/13/23 02:33*	*1*
13C4 PFBA	*106*		*50 - 150*	*07/12/23 14:10*	*07/13/23 02:33*	*1*
13C5 PFPeA	*105*		*50 - 150*	*07/12/23 14:10*	*07/13/23 02:33*	*1*
13C8 FOSA	*80*		*50 - 150*	*07/12/23 14:10*	*07/13/23 02:33*	*1*

Lab Sample ID: LCS 200-193480/2-A
Matrix: Water
Analysis Batch: 193483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 193480

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
6:2 Fluorotelomer sulfonic acid			38.0	39.7		ng/L		104	60 - 140		
8:2 Fluorotelomer sulfonic acid			38.4	41.7		ng/L		109	70 - 130		
Perfluorobutanoic acid			40.0	41.0		ng/L		102	70 - 130		
Perfluorodecanesulfonic acid			38.6	36.2		ng/L		94	70 - 130		
Perfluoroheptanesulfonic acid			38.1	38.5		ng/L		101	70 - 130		
Perfluorooctanesulfonamide			40.0	37.9		ng/L		95	70 - 130		
Perfluoropentanoic acid			40.0	40.5		ng/L		101	70 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFOS	*108*		*50 - 150*
M2-6:2 FTS	*100*		*50 - 150*
M2-8:2 FTS	*96*		*50 - 150*
13C4 PFBA	*106*		*50 - 150*
13C5 PFPeA	*105*		*50 - 150*
13C8 FOSA	*93*		*50 - 150*

Lab Sample ID: LCSD 200-193480/3-A
Matrix: Water
Analysis Batch: 193483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 193480

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			38.0	40.3		ng/L		106	60 - 140	1	30
8:2 Fluorotelomer sulfonic acid			38.4	37.6		ng/L		98	70 - 130	10	30
Perfluorobutanoic acid			40.0	38.1		ng/L		95	70 - 130	7	30
Perfluorodecanesulfonic acid			38.6	35.2		ng/L		91	70 - 130	3	30
Perfluoroheptanesulfonic acid			38.1	37.3		ng/L		98	70 - 130	3	30
Perfluorooctanesulfonamide			40.0	36.0		ng/L		90	70 - 130	5	30
Perfluoropentanoic acid			40.0	40.1		ng/L		100	70 - 130	1	30

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFOS	105		50 - 150
M2-6:2 FTS	98		50 - 150
M2-8:2 FTS	100		50 - 150
13C4 PFBA	108		50 - 150
13C5 PFPeA	104		50 - 150
13C8 FOSA	94		50 - 150

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

Lab Sample ID: MB 410-395292/1-A
Matrix: Water
Analysis Batch: 398975

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395292

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
NEtFOSAA	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
NMeFOSAA	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		07/10/23 16:11	07/21/23 17:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	101		70 - 130	07/10/23 16:11	07/21/23 17:25	1
13C2 PFDA	104		70 - 130	07/10/23 16:11	07/21/23 17:25	1
13C2 PFHxA	106		70 - 130	07/10/23 16:11	07/21/23 17:25	1

Lab Sample ID: LCS 410-395292/2-A
Matrix: Water
Analysis Batch: 398975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395292

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorohexanoic acid			80.0	69.8		ng/L		87	70 - 130		
Perfluoroheptanoic acid			80.0	68.9		ng/L		86	70 - 130		
Perfluorooctanoic acid			80.0	69.9		ng/L		87	70 - 130		
Perfluorononanoic acid			80.0	70.6		ng/L		88	70 - 130		
Perfluorodecanoic acid			80.0	73.3		ng/L		92	70 - 130		
Perfluorotridecanoic acid			80.0	66.1		ng/L		83	70 - 130		
Perfluorotetradecanoic acid			80.0	74.6		ng/L		93	70 - 130		
Perfluorobutanesulfonic acid			70.8	62.7		ng/L		89	70 - 130		
Perfluorohexanesulfonic acid			73.0	63.8		ng/L		87	70 - 130		
Perfluorooctanesulfonic acid			74.0	66.1		ng/L		89	70 - 130		
NEtFOSAA			80.0	72.4		ng/L		90	70 - 130		
NMeFOSAA			80.0	72.9		ng/L		91	70 - 130		
Perfluoroundecanoic acid			80.0	67.2		ng/L		84	70 - 130		

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

Lab Sample ID: LCS 410-395292/2-A
Matrix: Water
Analysis Batch: 398975

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395292

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorododecanoic acid			80.0	70.2		ng/L		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*104*		*70 - 130*
13C2 PFDA	*107*		*70 - 130*
13C2 PFHxA	*105*		*70 - 130*

Lab Sample ID: 410-133677-1 MS
Matrix: Water
Analysis Batch: 398975

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 395292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorohexanoic acid	8.1		70.2	79.3	E	ng/L		101	70 - 130		
Perfluoroheptanoic acid	8.7		70.2	78.5	E	ng/L		100	70 - 130		
Perfluorooctanoic acid	220	E F1	70.2	231	E F1	ng/L		14	70 - 130		
Perfluorononanoic acid	1.7	U	70.2	72.9	E	ng/L		103	70 - 130		
Perfluorodecanoic acid	1.7	U	70.2	73.4	E	ng/L		105	70 - 130		
Perfluorotridecanoic acid	1.7	U	70.2	66.5		ng/L		95	70 - 130		
Perfluorotetradecanoic acid	1.7	U	70.2	77.4	E	ng/L		110	70 - 130		
Perfluorobutanesulfonic acid	1.7	U	62.1	59.3		ng/L		93	70 - 130		
Perfluorohexanesulfonic acid	1.7	U	64.0	56.8		ng/L		88	70 - 130		
Perfluorooctanesulfonic acid	2.9		64.9	60.8		ng/L		89	70 - 130		
NEtFOSAA	1.7	U	70.2	60.9		ng/L		87	70 - 130		
NMeFOSAA	1.7	U	70.2	61.2		ng/L		87	70 - 130		
Perfluoroundecanoic acid	1.7	U	70.2	69.5		ng/L		99	70 - 130		
Perfluorododecanoic acid	1.7	U	70.2	70.1		ng/L		100	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
d5-NEtFOSAA	*103*		*70 - 130*
13C2 PFDA	*127*		*70 - 130*
13C2 PFHxA	*122*		*70 - 130*

Lab Sample ID: 410-133677-1 MSD
Matrix: Water
Analysis Batch: 398975

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 395292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid	8.1		68.0	76.6	E	ng/L		101	70 - 130	3	30
Perfluoroheptanoic acid	8.7		68.0	74.8	E	ng/L		97	70 - 130	5	30
Perfluorooctanoic acid	220	E F1	68.0	227	E F1	ng/L		9	70 - 130	2	30
Perfluorononanoic acid	1.7	U	68.0	66.9		ng/L		98	70 - 130	9	30
Perfluorodecanoic acid	1.7	U	68.0	67.1		ng/L		99	70 - 130	9	30
Perfluorotridecanoic acid	1.7	U	68.0	62.3		ng/L		92	70 - 130	6	30
Perfluorotetradecanoic acid	1.7	U	68.0	71.2	E	ng/L		105	70 - 130	8	30
Perfluorobutanesulfonic acid	1.7	U	60.1	57.3		ng/L		93	70 - 130	4	30
Perfluorohexanesulfonic acid	1.7	U	62.0	55.3		ng/L		88	70 - 130	3	30
Perfluorooctanesulfonic acid	2.9		62.9	58.6		ng/L		89	70 - 130	4	30
NEtFOSAA	1.7	U	68.0	57.7		ng/L		85	70 - 130	5	30

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

Lab Sample ID: 410-133677-1 MSD
Matrix: Water
Analysis Batch: 398975

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 395292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NMeFOSAA	1.7	U	68.0	55.8		ng/L		82	70 - 130	9	30
Perfluoroundecanoic acid	1.7	U	68.0	67.7		ng/L		100	70 - 130	3	30
Perfluorododecanoic acid	1.7	U	68.0	65.8		ng/L		97	70 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
d5-NEtFOSAA	*104*		*70 - 130*
13C2 PFDA	*115*		*70 - 130*
13C2 PFHxA	*119*		*70 - 130*

LCMS

Prep Batch: 193480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-133677-1	GAC Influent	Total/NA	Water	3535	
410-133677-2	GAC Midlfuent	Total/NA	Water	3535	
410-133677-3	GAC Effluent	Total/NA	Water	3535	
410-133677-4	FTB01-230706	Total/NA	Water	3535	
410-133677-5	LTB01-230706	Total/NA	Water	3535	
MB 200-193480/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-193480/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 200-193480/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 193483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-133677-1	GAC Influent	Total/NA	Water	537 (modified)	193480
410-133677-2	GAC Midlfuent	Total/NA	Water	537 (modified)	193480
410-133677-3	GAC Effluent	Total/NA	Water	537 (modified)	193480
410-133677-4	FTB01-230706	Total/NA	Water	537 (modified)	193480
410-133677-5	LTB01-230706	Total/NA	Water	537 (modified)	193480
MB 200-193480/1-A	Method Blank	Total/NA	Water	537 (modified)	193480
LCS 200-193480/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	193480
LCSD 200-193480/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	193480

Prep Batch: 395292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-133677-1	GAC Influent	Total/NA	Water	537 DW	
410-133677-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-133677-2	GAC Midlfuent	Total/NA	Water	537 DW	
410-133677-3	GAC Effluent	Total/NA	Water	537 DW	
410-133677-4	FTB01-230706	Total/NA	Water	537 DW	
410-133677-5	LTB01-230706	Total/NA	Water	537 DW	
MB 410-395292/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-395292/2-A	Lab Control Sample	Total/NA	Water	537 DW	
410-133677-1 MS	GAC Influent	Total/NA	Water	537 DW	
410-133677-1 MSD	GAC Influent	Total/NA	Water	537 DW	

Analysis Batch: 398975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-133677-1	GAC Influent	Total/NA	Water	537 DW	395292
410-133677-2	GAC Midlfuent	Total/NA	Water	537 DW	395292
410-133677-3	GAC Effluent	Total/NA	Water	537 DW	395292
410-133677-4	FTB01-230706	Total/NA	Water	537 DW	395292
410-133677-5	LTB01-230706	Total/NA	Water	537 DW	395292
MB 410-395292/1-A	Method Blank	Total/NA	Water	537 DW	395292
LCS 410-395292/2-A	Lab Control Sample	Total/NA	Water	537 DW	395292
410-133677-1 MS	GAC Influent	Total/NA	Water	537 DW	395292
410-133677-1 MSD	GAC Influent	Total/NA	Water	537 DW	395292

Analysis Batch: 400051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-133677-1 - DL	GAC Influent	Total/NA	Water	537 DW	395292

Lab Chronicle

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

Job ID: 410-133677-1
SDG: HOO

Client Sample ID: GAC Influent
Lab Sample ID: 410-133677-1

Date Collected: 07/06/23 10:10
Matrix: Water
Date Received: 07/07/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			193480	EK	EET BUR	07/12/23 14:10
Total/NA	Analysis	537 (modified)		1	193483	BWC	EET BUR	07/13/23 05:08
Total/NA	Prep	537 DW			395292	WW2J	ELLE	07/10/23 16:11
Total/NA	Analysis	537 DW		1	398975	DCS9	ELLE	07/21/23 17:59
Total/NA	Prep	537 DW	DL		395292	WW2J	ELLE	07/10/23 16:11
Total/NA	Analysis	537 DW	DL	10	400051	DCS9	ELLE	07/24/23 17:43

Client Sample ID: GAC Midlfuent
Lab Sample ID: 410-133677-2

Date Collected: 07/06/23 10:15
Matrix: Water
Date Received: 07/07/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			193480	EK	EET BUR	07/12/23 14:10
Total/NA	Analysis	537 (modified)		1	193483	BWC	EET BUR	07/13/23 05:17
Total/NA	Prep	537 DW			395292	WW2J	ELLE	07/10/23 16:11
Total/NA	Analysis	537 DW		1	398975	DCS9	ELLE	07/21/23 18:34

Client Sample ID: GAC Effluent
Lab Sample ID: 410-133677-3

Date Collected: 07/06/23 10:20
Matrix: Water
Date Received: 07/07/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			193480	EK	EET BUR	07/12/23 14:10
Total/NA	Analysis	537 (modified)		1	193483	BWC	EET BUR	07/13/23 05:25
Total/NA	Prep	537 DW			395292	WW2J	ELLE	07/10/23 16:11
Total/NA	Analysis	537 DW		1	398975	DCS9	ELLE	07/21/23 18:46

Client Sample ID: FTB01-230706
Lab Sample ID: 410-133677-4

Date Collected: 07/06/23 10:25
Matrix: Water
Date Received: 07/07/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			193480	EK	EET BUR	07/12/23 14:10
Total/NA	Analysis	537 (modified)		1	193483	BWC	EET BUR	07/13/23 05:33
Total/NA	Prep	537 DW			395292	WW2J	ELLE	07/10/23 16:11
Total/NA	Analysis	537 DW		1	398975	DCS9	ELLE	07/21/23 18:57

Client Sample ID: LTB01-230706
Lab Sample ID: 410-133677-5

Date Collected: 07/06/23 00:00
Matrix: Water
Date Received: 07/07/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			193480	EK	EET BUR	07/12/23 14:10
Total/NA	Analysis	537 (modified)		1	193483	BWC	EET BUR	07/13/23 05:41
Total/NA	Prep	537 DW			395292	WW2J	ELLE	07/10/23 16:11
Total/NA	Analysis	537 DW		1	398975	DCS9	ELLE	07/21/23 19:09

Lab Chronicle

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

Job ID: 410-133677-1
SDG: HOO

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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: 410-133677-1
SDG: HOO

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-24

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-18-24
Florida	NELAP	E87467	06-30-24
Minnesota	NELAP	050-999-436	12-31-23
New Hampshire	NELAP	2006	12-18-23
New Jersey	NELAP	VT972	06-30-24
New York	NELAP	10391	03-31-24
Pennsylvania	NELAP	68-00489	04-30-24
Rhode Island	State	LAO00298	12-31-24
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-24
Virginia	NELAP	460209	12-14-23
Wisconsin	State	399133350	08-31-23

Method Summary

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

Job ID: 410-133677-1
SDG: HOO

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET BUR
537 DW	Perfluorinated Alkyl Acids (LC/MS)	EPA	ELLE
3535	Solid-Phase Extraction (SPE)	SW846	EET BUR
537 DW	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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: 410-133677-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-133677-1	GAC Influent	Water	07/06/23 10:10	07/07/23 10:00
410-133677-2	GAC Midlfuent	Water	07/06/23 10:15	07/07/23 10:00
410-133677-3	GAC Effluent	Water	07/06/23 10:20	07/07/23 10:00
410-133677-4	FTB01-230706	Water	07/06/23 10:25	07/07/23 10:00
410-133677-5	LTB01-230706	Water	07/06/23 00:00	07/07/23 10:00

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Chain of Custody Record

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410-133677 Chain of Custody

	Sampler: C. Ormsby	Lab PM: Hobart, Paul	Carrier Tracking No(s):	COC No: 410-77609-21525.1
Client Contact: Jonathan Dippert, Kirk Mulmet	Phone:	E-Mail: Paul.Hobart@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
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 #: Purchase Order not required			
Email: j.dippert@ctmale.com, K.Mulmet@CTmale.com	WO #:			
Project Name: Hoosick Falls WTP	Project #: 41000511			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - (MOD) 7 PFAS 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	7/6/23	1010	G	Water	N	N	X	X		8	PFAS batch QC collected here
GAC MIDFLUENT		1015	G	Water	N	N	X	X		4	
GAC EFFLUENT		1020	G	Water	N	N	X	X		4	
FTB01-230706		1025	G	Water	N	N	X	X		4	
LTB01-230706		—	G	Water	N	N	X	X		4	
				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) ASP-B, Equis File

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		7/6/23 1430	CM			
2						
3					7/7/23 1000	MMT

Custody Seals Intact: ★ Yes Δ No | Custody Seal No.: 175805

Cooler Temperature(s) °C and Other Remarks: raw 2.9 cor 2.7

Ver: 06/08/2021

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone 717-656-2300 Fax 717-656-2681

Chain of Custody Record

410-133677 Chain of Custody

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Tessier, Kelly	COC No: 410-2229328 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: kelly tessier@et.eurofinsus com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Job #: 410-133677-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 7/20/2023		
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: Hoosick Falls WTP	Project #: 41000511		
Site:	SSOW#:		

Analysis Requested

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 - Client ID (Lab ID)	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/3535_IVWT (MOD) 7 PFAS Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
GAC Influent (410-133677-1)	7/6/23	10:10 Eastern		Water			X	4	
GAC Midlfuent (410-133677-2)	7/6/23	10:15 Eastern		Water			X	2	
GAC Effluent (410-133677-3)	7/6/23	10.20 Eastern		Water			X	2	
FTB01-230706 (410-133677-4)	7/6/23	10:25 Eastern		Water			X	2	
LTB01-230706 (410-133677-5)	7/6/23	Eastern		Water			X	2	

Note Since laboratory accreditations are subject to change, Eurofins Lancaster Laboratories Environment Testing, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Lancaster Laboratories Environment Testing, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Lancaster Laboratories Environment Testing, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Lancaster Laboratories Environment Testing, LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements.

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

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1	Kristin Deans	7/10/23 1450	ELLET		7/11/23 1030	ETAB
2	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

ORIGIN ID:LNSA (717) 656-2300
SHIPPING DEPT.
EUROFINS LANCASTER LABS
2425 NEW HOLLAND PIKE

LANCASTER, PA 17601
UNITED STATES US

SHIP DATE: 10JUL23
ACTWGT: 32.00 LB
CAD: 614137/CAFE3707
DIMS: 17x15x11 IN

BILL SENDER

TO SAMPLE RECEIVING
TEST AMERICA LABORATORIES, INC.
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 054036809
(802) 660-1990
DEPT: 4031

FedEx Express

TRK# 0201 6449 7733 2943

TUE - 11 JUL 10:30A
PRIORITY OVERNIGHT

NX BTVA

05403
VT-US BTV

Part # 156148-434 MTW EXP 03/24

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-133677-1
SDG Number: HOO

Login Number: 133677
List Number: 1
Creator: Reiff, Nicole L

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	

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-133677-1
SDG Number: HOO

Login Number: 133677
List Number: 2
Creator: Campbell, Adrik

List Source: Eurofins Burlington
List Creation: 07/11/23 12:24 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
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.	True	
Cooler Temperature is recorded.	True	4.8ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	