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ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/25/2023 6:58:00 AM

JOB DESCRIPTION

Hoosick Falls WTP
SDG NUMBER HOO

JOB NUMBER

410-142142-1

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
9/25/2023 6:58:00 AM

Authorized for release by
Kelly Tessier, Project Manager
kelly.tessier@et.eurofinsus.com
(717)205-7820

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.

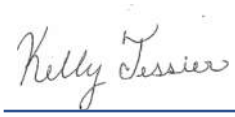

Table of Contents

Definitions/Glossary

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

Job ID: 410-142142-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
E	Result exceeded calibration range.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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

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

Job ID: 410-142142-1
SDG: HOO

Job ID: 410-142142-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative
410-142142-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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 may be 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.

Receipt
The samples were received on 9/9/2023 9:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C

PFAS
Method 537.1_DW: The recovery for the surrogate(s): 13C2 PFHxA in the following sample: GAC INFLUENT (410-142142-1) is outside QC acceptance limits. The following action was taken: The sample(s) was re-extracted within the required holding time and the recovery for the surrogate(s) is again outside QC acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

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

Job ID: 410-142142-1
SDG: HOO

Client Sample ID: GAC INFLUENT — Lab Sample ID: 410-142142-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.7		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	3.1		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluoroheptanoic acid	12		1.8		ng/L	1		EPA 537.1	Total/NA
Perfluorohexanoic acid	11		1.8		ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.6		1.8		ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid - DL	360		18		ng/L	10		EPA 537.1	Total/NA

Client Sample ID: GAC MIDLFUENT — Lab Sample ID: 410-142142-2

No Detections.

Client Sample ID: GAC EFFLUENT — Lab Sample ID: 410-142142-3

No Detections.

Client Sample ID: SG1-FTB01-230907 — Lab Sample ID: 410-142142-4

No Detections.

Client Sample ID: SG1-LTB01-230907 — Lab Sample ID: 410-142142-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: GAC INFLUENT

Date Collected: 09/07/23 08:30
Date Received: 09/09/23 09:57

Lab Sample ID: 410-142142-1

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	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:14	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:14	1
Perfluorobutanoic acid	**3.7**		1.8		ng/L		09/14/23 08:25	09/21/23 08:14	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:14	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:14	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:14	1
Perfluoropentanoic acid	**3.1**		1.8		ng/L		09/14/23 08:25	09/21/23 08:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*108*		*40 - 200*	*09/14/23 08:25*	*09/21/23 08:14*	*1*
M2-8:2 FTS	*119*		*37 - 200*	*09/14/23 08:25*	*09/21/23 08:14*	*1*
13C4 PFBA	*85*		*22 - 174*	*09/14/23 08:25*	*09/21/23 08:14*	*1*
13C5 PFPeA	*107*		*33 - 196*	*09/14/23 08:25*	*09/21/23 08:14*	*1*
13C8 PFOS	*92*		*59 - 155*	*09/14/23 08:25*	*09/21/23 08:14*	*1*
13C8 FOSA	*87*		*10 - 155*	*09/14/23 08:25*	*09/21/23 08:14*	*1*
13C3 PFHxS	*109*		*48 - 169*	*09/14/23 08:25*	*09/21/23 08:14*	*1*

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
NMeFOSAA	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluoroheptanoic acid	**12**		1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorohexanoic acid	**11**		1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorooctanesulfonic acid	**3.6**		1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		09/20/23 14:36	09/21/23 10:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*124*		*70 - 130*	*09/20/23 14:36*	*09/21/23 10:31*	*1*
13C2 PFHxA	*134*	*S1+ cn*	*70 - 130*	*09/20/23 14:36*	*09/21/23 10:31*	*1*
d5-NEtFOSAA	*119*		*70 - 130*	*09/20/23 14:36*	*09/21/23 10:31*	*1*

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 - DL

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**360**		18		ng/L		09/20/23 14:36	09/21/23 15:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*99*		*70 - 130*	*09/20/23 14:36*	*09/21/23 15:20*	*10*
13C2 PFHxA	*104*		*70 - 130*	*09/20/23 14:36*	*09/21/23 15:20*	*10*
d5-NEtFOSAA	*102*		*70 - 130*	*09/20/23 14:36*	*09/21/23 15:20*	*10*

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

Job ID: 410-142142-1
SDG: HOO

Client Sample ID: GAC MIDLFUENT
Date Collected: 09/07/23 08:34
Date Received: 09/09/23 09:57

Lab Sample ID: 410-142142-2
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	1.7	U	1.7		ng/L		09/14/23 08:25	09/21/23 08:25	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7		ng/L		09/14/23 08:25	09/21/23 08:25	1
Perfluorobutanoic acid	1.7	U	1.7		ng/L		09/14/23 08:25	09/21/23 08:25	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		09/14/23 08:25	09/21/23 08:25	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		09/14/23 08:25	09/21/23 08:25	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		09/14/23 08:25	09/21/23 08:25	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		09/14/23 08:25	09/21/23 08:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*122*		*40 - 200*	*09/14/23 08:25*	*09/21/23 08:25*	*1*
M2-8:2 FTS	*116*		*37 - 200*	*09/14/23 08:25*	*09/21/23 08:25*	*1*
13C4 PFBA	*97*		*22 - 174*	*09/14/23 08:25*	*09/21/23 08:25*	*1*
13C5 PFPeA	*94*		*33 - 196*	*09/14/23 08:25*	*09/21/23 08:25*	*1*
13C8 PFOS	*98*		*59 - 155*	*09/14/23 08:25*	*09/21/23 08:25*	*1*
13C8 FOSA	*85*		*10 - 155*	*09/14/23 08:25*	*09/21/23 08:25*	*1*
13C3 PFHxS	*111*		*48 - 169*	*09/14/23 08:25*	*09/21/23 08:25*	*1*

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
NMeFOSAA	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorohexanesulfonic acid	1.7	U *+	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorohexanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*95*		*70 - 130*	*09/13/23 15:47*	*09/14/23 19:27*	*1*
13C2 PFHxA	*100*		*70 - 130*	*09/13/23 15:47*	*09/14/23 19:27*	*1*
d5-NEtFOSAA	*93*		*70 - 130*	*09/13/23 15:47*	*09/14/23 19:27*	*1*

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

Job ID: 410-142142-1
SDG: HOO

Client Sample ID: GAC EFFLUENT

Date Collected: 09/07/23 08:37
Date Received: 09/09/23 09:57

Lab Sample ID: 410-142142-3

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	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:37	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:37	1
Perfluorobutanoic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:37	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:37	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:37	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:37	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:37	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*115*		*40 - 200*	*09/14/23 08:25*	*09/21/23 08:37*	*1*
M2-8:2 FTS	*108*		*37 - 200*	*09/14/23 08:25*	*09/21/23 08:37*	*1*
13C4 PFBA	*84*		*22 - 174*	*09/14/23 08:25*	*09/21/23 08:37*	*1*
13C5 PFPeA	*84*		*33 - 196*	*09/14/23 08:25*	*09/21/23 08:37*	*1*
13C8 PFOS	*96*		*59 - 155*	*09/14/23 08:25*	*09/21/23 08:37*	*1*
13C8 FOSA	*81*		*10 - 155*	*09/14/23 08:25*	*09/21/23 08:37*	*1*
13C3 PFHxS	*105*		*48 - 169*	*09/14/23 08:25*	*09/21/23 08:37*	*1*

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
NMeFOSAA	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorohexanesulfonic acid	1.7	U *+	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorohexanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*89*		*70 - 130*	*09/13/23 15:47*	*09/14/23 20:37*	*1*
13C2 PFHxA	*107*		*70 - 130*	*09/13/23 15:47*	*09/14/23 20:37*	*1*
d5-NEtFOSAA	*90*		*70 - 130*	*09/13/23 15:47*	*09/14/23 20:37*	*1*

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

Job ID: 410-142142-1
SDG: HOO

Client Sample ID: SG1-FTB01-230907
Date Collected: 09/07/23 08:40
Date Received: 09/09/23 09:57

Lab Sample ID: 410-142142-4
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	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:48	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:48	1
Perfluorobutanoic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:48	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:48	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:48	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:48	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*119*		*40 - 200*	*09/14/23 08:25*	*09/21/23 08:48*	*1*
M2-8:2 FTS	*119*		*37 - 200*	*09/14/23 08:25*	*09/21/23 08:48*	*1*
13C4 PFBA	*93*		*22 - 174*	*09/14/23 08:25*	*09/21/23 08:48*	*1*
13C5 PFPeA	*99*		*33 - 196*	*09/14/23 08:25*	*09/21/23 08:48*	*1*
13C8 PFOS	*96*		*59 - 155*	*09/14/23 08:25*	*09/21/23 08:48*	*1*
13C8 FOSA	*95*		*10 - 155*	*09/14/23 08:25*	*09/21/23 08:48*	*1*
13C3 PFHxS	*105*		*48 - 169*	*09/14/23 08:25*	*09/21/23 08:48*	*1*

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
NMeFOSAA	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorohexanesulfonic acid	1.8	U *+	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		09/13/23 15:47	09/14/23 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*91*		*70 - 130*	*09/13/23 15:47*	*09/14/23 20:48*	*1*
13C2 PFHxA	*103*		*70 - 130*	*09/13/23 15:47*	*09/14/23 20:48*	*1*
d5-NEtFOSAA	*103*		*70 - 130*	*09/13/23 15:47*	*09/14/23 20:48*	*1*

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

Job ID: 410-142142-1
SDG: HOO

Client Sample ID: SG1-LTB01-230907
Date Collected: 09/07/23 00:00
Date Received: 09/09/23 09:57

Lab Sample ID: 410-142142-5
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	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:59	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:59	1
Perfluorobutanoic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:59	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:59	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:59	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:59	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		09/14/23 08:25	09/21/23 08:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*136*		*40 - 200*	*09/14/23 08:25*	*09/21/23 08:59*	*1*
M2-8:2 FTS	*119*		*37 - 200*	*09/14/23 08:25*	*09/21/23 08:59*	*1*
13C4 PFBA	*96*		*22 - 174*	*09/14/23 08:25*	*09/21/23 08:59*	*1*
13C5 PFPeA	*103*		*33 - 196*	*09/14/23 08:25*	*09/21/23 08:59*	*1*
13C8 PFOS	*102*		*59 - 155*	*09/14/23 08:25*	*09/21/23 08:59*	*1*
13C8 FOSA	*89*		*10 - 155*	*09/14/23 08:25*	*09/21/23 08:59*	*1*
13C3 PFHxS	*109*		*48 - 169*	*09/14/23 08:25*	*09/21/23 08:59*	*1*

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
NMeFOSAA	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorohexanesulfonic acid	1.7	U *+	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorohexanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		09/13/23 15:47	09/14/23 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*86*		*70 - 130*	*09/13/23 15:47*	*09/14/23 21:00*	*1*
13C2 PFHxA	*102*		*70 - 130*	*09/13/23 15:47*	*09/14/23 21:00*	*1*
d5-NEtFOSAA	*101*		*70 - 130*	*09/13/23 15:47*	*09/14/23 21:00*	*1*

Surrogate Summary

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

Job ID: 410-142142-1
SDG: HOO

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

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

		Percent Surrogate Recovery (Acceptance Limits)								
		PFDA	PFHxA	d5NEFOS						
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)						
410-142142-1 - DL	GAC INFLUENT	99	104	102						
410-142142-1	GAC INFLUENT	124	134 S1+ cn	119						
410-142142-2	GAC MIDLFUENT	95	100	93						
410-142142-3	GAC EFFLUENT	89	107	90						
410-142142-4	SG1-FTB01-230907	91	103	103						
410-142142-5	SG1-LTB01-230907	86	102	101						
LCS 410-419083/2-A	Lab Control Sample	81	101	92						
LCS 410-421726/2-A	Lab Control Sample	102	117	111						
LCSD 410-419083/3-A	Lab Control Sample Dup	89	103	96						
MB 410-419083/1-A	Method Blank	89	107	93						
MB 410-421726/1-A	Method Blank	104	114	105						

Surrogate Legend

PFDA = 13C2 PFDA
PFHxA = 13C2 PFHxA
d5NEFOS = d5-NEtFOSAA

Isotope Dilution Summary

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

Job ID: 410-142142-1
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	(40-200)	(37-200)	(22-174)	(33-196)	(59-155)	(10-155)	(48-169)
410-142142-1	GAC INFLUENT	108	119	85	107	92	87	109
410-142142-2	GAC MIDLFUENT	122	116	97	94	98	85	111
410-142142-3	GAC EFFLUENT	115	108	84	84	96	81	105
410-142142-4	SG1-FTB01-230907	119	119	93	99	96	95	105
410-142142-5	SG1-LTB01-230907	136	119	96	103	102	89	109
LCS 410-419366/2-A	Lab Control Sample	112	118	79	89	90	86	94
LCSD 410-419366/3-A	Lab Control Sample Dup	121	126	85	101	101	97	109
MB 410-419366/1-A	Method Blank	122	115	101	106	100	89	106

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 410-419366/1-A
Matrix: Water
Analysis Batch: 421628

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 419366

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	2.0	U	2.0		ng/L		09/14/23 08:25	09/21/23 05:39	1
8:2 Fluorotelomer sulfonic acid	2.0	U	2.0		ng/L		09/14/23 08:25	09/21/23 05:39	1
Perfluorobutanoic acid	2.0	U	2.0		ng/L		09/14/23 08:25	09/21/23 05:39	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		09/14/23 08:25	09/21/23 05:39	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		09/14/23 08:25	09/21/23 05:39	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		09/14/23 08:25	09/21/23 05:39	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		09/14/23 08:25	09/21/23 05:39	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*122*		*40 - 200*	*09/14/23 08:25*	*09/21/23 05:39*	*1*
M2-8:2 FTS	*115*		*37 - 200*	*09/14/23 08:25*	*09/21/23 05:39*	*1*
13C4 PFBA	*101*		*22 - 174*	*09/14/23 08:25*	*09/21/23 05:39*	*1*
13C5 PFPeA	*106*		*33 - 196*	*09/14/23 08:25*	*09/21/23 05:39*	*1*
13C8 PFOS	*100*		*59 - 155*	*09/14/23 08:25*	*09/21/23 05:39*	*1*
13C8 FOSA	*89*		*10 - 155*	*09/14/23 08:25*	*09/21/23 05:39*	*1*
13C3 PFHxS	*106*		*48 - 169*	*09/14/23 08:25*	*09/21/23 05:39*	*1*

Lab Sample ID: LCS 410-419366/2-A
Matrix: Water
Analysis Batch: 421628

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 419366

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
6:2 Fluorotelomer sulfonic acid			24.3	21.5		ng/L		88	61 - 132		
8:2 Fluorotelomer sulfonic acid			24.5	20.3		ng/L		83	55 - 134		
Perfluorobutanoic acid			25.6	24.4		ng/L		95	58 - 130		
Perfluorodecanesulfonic acid			24.7	22.7		ng/L		92	55 - 130		
Perfluoroheptanesulfonic acid			24.4	22.1		ng/L		91	59 - 130		
Perfluorooctanesulfonamide			25.6	24.4		ng/L		95	67 - 132		
Perfluoropentanoic acid			25.6	24.7		ng/L		96	60 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*112*		*40 - 200*
M2-8:2 FTS	*118*		*37 - 200*
13C4 PFBA	*79*		*22 - 174*
13C5 PFPeA	*89*		*33 - 196*
13C8 PFOS	*90*		*59 - 155*
13C8 FOSA	*86*		*10 - 155*
13C3 PFHxS	*94*		*48 - 169*

Lab Sample ID: LCSD 410-419366/3-A
Matrix: Water
Analysis Batch: 421628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 419366

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	21.9		ng/L		90	61 - 132	2	30
8:2 Fluorotelomer sulfonic acid			24.5	21.7		ng/L		89	55 - 134	7	30
Perfluorobutanoic acid			25.6	23.1		ng/L		90	58 - 130	5	30
Perfluorodecanesulfonic acid			24.7	23.6		ng/L		96	55 - 130	4	30
Perfluoroheptanesulfonic acid			24.4	20.8		ng/L		85	59 - 130	6	30

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

Lab Sample ID: LCSD 410-419366/3-A
Matrix: Water
Analysis Batch: 421628

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 419366

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonamide			25.6	24.2		ng/L		95	67 - 132	0	30
Perfluoropentanoic acid			25.6	23.0		ng/L		90	60 - 130	7	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-6:2 FTS	*121*		*40 - 200*
M2-8:2 FTS	*126*		*37 - 200*
13C4 PFBA	*85*		*22 - 174*
13C5 PFPeA	*101*		*33 - 196*
13C8 PFOS	*101*		*59 - 155*
13C8 FOSA	*97*		*10 - 155*
13C3 PFHxS	*109*		*48 - 169*

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018

Lab Sample ID: MB 410-419083/1-A
Matrix: Water
Analysis Batch: 419418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 419083

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
NMeFOSAA	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorohexanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		09/13/23 15:47	09/14/23 18:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*89*		*70 - 130*	*09/13/23 15:47*	*09/14/23 18:29*	*1*
13C2 PFHxA	*107*		*70 - 130*	*09/13/23 15:47*	*09/14/23 18:29*	*1*
d5-NEtFOSAA	*93*		*70 - 130*	*09/13/23 15:47*	*09/14/23 18:29*	*1*

Lab Sample ID: LCS 410-419083/2-A
Matrix: Water
Analysis Batch: 419418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 419083

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
NEtFOSAA			60.0	55.8		ng/L		93	70 - 130		
NMeFOSAA			60.0	59.5		ng/L		99	70 - 130		
Perfluorobutanesulfonic acid			53.1	57.6		ng/L		108	70 - 130		
Perfluorodecanoic acid			60.0	43.1		ng/L		72	70 - 130		
Perfluorododecanoic acid			60.0	52.2		ng/L		87	70 - 130		

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: LCS 410-419083/2-A
Matrix: Water
Analysis Batch: 419418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 419083

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoroheptanoic acid			60.0	65.1		ng/L		109	70 - 130		
Perfluorohexanesulfonic acid			54.7	73.8	E *+	ng/L		135	70 - 130		
Perfluorohexanoic acid			60.0	57.8		ng/L		96	70 - 130		
Perfluorononanoic acid			60.0	55.1		ng/L		92	70 - 130		
Perfluorooctanesulfonic acid			55.5	56.0		ng/L		101	70 - 130		
Perfluorooctanoic acid			60.0	62.8		ng/L		105	70 - 130		
Perfluorotetradecanoic acid			60.0	65.6		ng/L		109	70 - 130		
Perfluorotridecanoic acid			60.0	52.7		ng/L		88	70 - 130		
Perfluoroundecanoic acid			60.0	49.8		ng/L		83	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFDA	*81*		*70 - 130*
13C2 PFHxA	*101*		*70 - 130*
d5-NEtFOSAA	*92*		*70 - 130*

Lab Sample ID: LCSD 410-419083/3-A
Matrix: Water
Analysis Batch: 419418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 419083

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA			60.0	58.5		ng/L		98	70 - 130	5	30
NMeFOSAA			60.0	59.7		ng/L		99	70 - 130	0	30
Perfluorobutanesulfonic acid			53.1	59.8		ng/L		113	70 - 130	4	30
Perfluorodecanoic acid			60.0	50.0		ng/L		83	70 - 130	15	30
Perfluorododecanoic acid			60.0	58.9		ng/L		98	70 - 130	12	30
Perfluoroheptanoic acid			60.0	68.4		ng/L		114	70 - 130	5	30
Perfluorohexanesulfonic acid			54.7	75.5	*+ E	ng/L		138	70 - 130	2	30
Perfluorohexanoic acid			60.0	59.8		ng/L		100	70 - 130	3	30
Perfluorononanoic acid			60.0	56.6		ng/L		94	70 - 130	3	30
Perfluorooctanesulfonic acid			55.5	59.8		ng/L		108	70 - 130	7	30
Perfluorooctanoic acid			60.0	65.6		ng/L		109	70 - 130	4	30
Perfluorotetradecanoic acid			60.0	65.5		ng/L		109	70 - 130	0	30
Perfluorotridecanoic acid			60.0	56.2		ng/L		94	70 - 130	6	30
Perfluoroundecanoic acid			60.0	57.2		ng/L		95	70 - 130	14	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C2 PFDA	*89*		*70 - 130*
13C2 PFHxA	*103*		*70 - 130*
d5-NEtFOSAA	*96*		*70 - 130*

Lab Sample ID: MB 410-421726/1-A
Matrix: Water
Analysis Batch: 422063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 421726

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
NMeFOSAA	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1

Method: EPA 537.1 - EPA 537.1, Ver 1.0 Nov 2018 (Continued)

Lab Sample ID: MB 410-421726/1-A
Matrix: Water
Analysis Batch: 422063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 421726

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorohexanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		09/20/23 14:36	09/21/23 09:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*104*		*70 - 130*	*09/20/23 14:36*	*09/21/23 09:56*	*1*
13C2 PFHxA	*114*		*70 - 130*	*09/20/23 14:36*	*09/21/23 09:56*	*1*
d5-NEtFOSAA	*105*		*70 - 130*	*09/20/23 14:36*	*09/21/23 09:56*	*1*

Lab Sample ID: LCS 410-421726/2-A
Matrix: Water
Analysis Batch: 422063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 421726

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
NEtFOSAA			20.5	17.9		ng/L		87	70 - 130		
NMeFOSAA			20.5	18.2		ng/L		89	70 - 130		
Perfluorobutanesulfonic acid			18.1	18.1		ng/L		100	70 - 130		
Perfluorodecanoic acid			20.5	18.9		ng/L		92	70 - 130		
Perfluorododecanoic acid			20.5	20.5		ng/L		100	70 - 130		
Perfluoroheptanoic acid			20.5	20.3		ng/L		99	70 - 130		
Perfluorohexanesulfonic acid			18.7	18.6		ng/L		99	70 - 130		
Perfluorohexanoic acid			20.5	20.1		ng/L		98	70 - 130		
Perfluorononanoic acid			20.5	18.7		ng/L		91	70 - 130		
Perfluorooctanesulfonic acid			19.0	18.3		ng/L		96	70 - 130		
Perfluorooctanoic acid			20.5	20.4		ng/L		100	70 - 130		
Perfluorotetradecanoic acid			20.5	21.7		ng/L		106	70 - 130		
Perfluorotridecanoic acid			20.5	19.7		ng/L		96	70 - 130		
Perfluoroundecanoic acid			20.5	21.6		ng/L		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFDA	*102*		*70 - 130*
13C2 PFHxA	*117*		*70 - 130*
d5-NEtFOSAA	*111*		*70 - 130*

LCMS

Prep Batch: 419083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-142142-1 - RE	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-142142-2	GAC MIDLFUENT	Total/NA	Water	537.1 DW Prep	
410-142142-3	GAC EFFLUENT	Total/NA	Water	537.1 DW Prep	
410-142142-4	SG1-FTB01-230907	Total/NA	Water	537.1 DW Prep	
410-142142-5	SG1-LTB01-230907	Total/NA	Water	537.1 DW Prep	
MB 410-419083/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-419083/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	
LCSD 410-419083/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW Prep	

Prep Batch: 419366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-142142-1	GAC INFLUENT	Total/NA	Water	SPE	
410-142142-2	GAC MIDLFUENT	Total/NA	Water	SPE	
410-142142-3	GAC EFFLUENT	Total/NA	Water	SPE	
410-142142-4	SG1-FTB01-230907	Total/NA	Water	SPE	
410-142142-5	SG1-LTB01-230907	Total/NA	Water	SPE	
MB 410-419366/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-419366/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-419366/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 419418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-142142-2	GAC MIDLFUENT	Total/NA	Water	EPA 537.1	419083
410-142142-3	GAC EFFLUENT	Total/NA	Water	EPA 537.1	419083
410-142142-4	SG1-FTB01-230907	Total/NA	Water	EPA 537.1	419083
410-142142-5	SG1-LTB01-230907	Total/NA	Water	EPA 537.1	419083
MB 410-419083/1-A	Method Blank	Total/NA	Water	EPA 537.1	419083
LCS 410-419083/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	419083
LCSD 410-419083/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537.1	419083

Analysis Batch: 420049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-142142-1 - RE	GAC INFLUENT	Total/NA	Water	EPA 537.1	419083

Analysis Batch: 421628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-142142-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	419366
410-142142-2	GAC MIDLFUENT	Total/NA	Water	537 (Mod)	419366
410-142142-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	419366
410-142142-4	SG1-FTB01-230907	Total/NA	Water	537 (Mod)	419366
410-142142-5	SG1-LTB01-230907	Total/NA	Water	537 (Mod)	419366
MB 410-419366/1-A	Method Blank	Total/NA	Water	537 (Mod)	419366
LCS 410-419366/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	419366
LCSD 410-419366/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	419366

Prep Batch: 421726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-142142-1 - DL	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-142142-1	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
MB 410-421726/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-421726/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	

QC Association Summary

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

Job ID: 410-142142-1
SDG: HOO

LCMS

Analysis Batch: 422063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-142142-1	GAC INFLUENT	Total/NA	Water	EPA 537.1	421726
410-142142-1 - DL	GAC INFLUENT	Total/NA	Water	EPA 537.1	421726
MB 410-421726/1-A	Method Blank	Total/NA	Water	EPA 537.1	421726
LCS 410-421726/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	421726

Lab Chronicle

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

Job ID: 410-142142-1
SDG: HOO

Client Sample ID: GAC INFLUENT
Lab Sample ID: 410-142142-1
Date Collected: 09/07/23 08:30
Matrix: Water
Date Received: 09/09/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			419366	K3UG	ELLE	09/14/23 08:25
Total/NA	Analysis	537 (Mod)		1	421628	DS2G	ELLE	09/21/23 08:14
Total/NA	Prep	537.1 DW Prep	RE		419083	WW2J	ELLE	09/13/23 15:47
Total/NA	Analysis	EPA 537.1	RE	1	420049	DCS9	ELLE	09/15/23 17:42
Total/NA	Prep	537.1 DW Prep			421726	WW2J	ELLE	09/20/23 14:36
Total/NA	Analysis	EPA 537.1		1	422063	DCS9	ELLE	09/21/23 10:31
Total/NA	Prep	537.1 DW Prep	DL		421726	WW2J	ELLE	09/20/23 14:36
Total/NA	Analysis	EPA 537.1	DL	10	422063	DCS9	ELLE	09/21/23 15:20

Client Sample ID: GAC MIDLFUENT
Lab Sample ID: 410-142142-2
Date Collected: 09/07/23 08:34
Matrix: Water
Date Received: 09/09/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			419366	K3UG	ELLE	09/14/23 08:25
Total/NA	Analysis	537 (Mod)		1	421628	DS2G	ELLE	09/21/23 08:25
Total/NA	Prep	537.1 DW Prep			419083	WW2J	ELLE	09/13/23 15:47
Total/NA	Analysis	EPA 537.1		1	419418	DCS9	ELLE	09/14/23 19:27

Client Sample ID: GAC EFFLUENT
Lab Sample ID: 410-142142-3
Date Collected: 09/07/23 08:37
Matrix: Water
Date Received: 09/09/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			419366	K3UG	ELLE	09/14/23 08:25
Total/NA	Analysis	537 (Mod)		1	421628	DS2G	ELLE	09/21/23 08:37
Total/NA	Prep	537.1 DW Prep			419083	WW2J	ELLE	09/13/23 15:47
Total/NA	Analysis	EPA 537.1		1	419418	DCS9	ELLE	09/14/23 20:37

Client Sample ID: SG1-FTB01-230907
Lab Sample ID: 410-142142-4
Date Collected: 09/07/23 08:40
Matrix: Water
Date Received: 09/09/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			419366	K3UG	ELLE	09/14/23 08:25
Total/NA	Analysis	537 (Mod)		1	421628	DS2G	ELLE	09/21/23 08:48
Total/NA	Prep	537.1 DW Prep			419083	WW2J	ELLE	09/13/23 15:47
Total/NA	Analysis	EPA 537.1		1	419418	DCS9	ELLE	09/14/23 20:48

Client Sample ID: SG1-LTB01-230907
Lab Sample ID: 410-142142-5
Date Collected: 09/07/23 00:00
Matrix: Water
Date Received: 09/09/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			419366	K3UG	ELLE	09/14/23 08:25
Total/NA	Analysis	537 (Mod)		1	421628	DS2G	ELLE	09/21/23 08:59

Lab Chronicle

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

Job ID: 410-142142-1
SDG: HOO

Client Sample ID: SG1-LTB01-230907

Date Collected: 09/07/23 00:00
Date Received: 09/09/23 09:57

Lab Sample ID: 410-142142-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	537.1 DW Prep			419083	WW2J	ELLE	09/13/23 15:47
Total/NA	Analysis	EPA 537.1		1	419418	DCS9	ELLE	09/14/23 21:00

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: 410-142142-1
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	04-01-24

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)	SPE	Water	6:2 Fluorotelomer sulfonic acid
537 (Mod)	SPE	Water	8:2 Fluorotelomer sulfonic acid
537 (Mod)	SPE	Water	Perfluorobutanoic acid
537 (Mod)	SPE	Water	Perfluorodecanesulfonic acid
537 (Mod)	SPE	Water	Perfluoroheptanesulfonic acid
537 (Mod)	SPE	Water	Perfluorooctanesulfonamide
537 (Mod)	SPE	Water	Perfluoropentanoic acid

Method Summary

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

Job ID: 410-142142-1
SDG: HOO

Method	Method Description	Protocol	Laboratory
537 (Mod)	EPA 537 Version 1.1 modified	EPA	ELLE
EPA 537.1	EPA 537.1, Ver 1.0 Nov 2018	EPA	ELLE
537.1 DW Prep	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: 410-142142-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-142142-1	GAC INFLUENT	Water	09/07/23 08:30	09/09/23 09:57
410-142142-2	GAC MIDLFUENT	Water	09/07/23 08:34	09/09/23 09:57
410-142142-3	GAC EFFLUENT	Water	09/07/23 08:37	09/09/23 09:57
410-142142-4	SG1-FTB01-230907	Water	09/07/23 08:40	09/09/23 09:57
410-142142-5	SG1-LTB01-230907	Water	09/07/23 00:00	09/09/23 09:57

410-142142 Chain of Custody

Environme

Chain of Custody Record

eurofins | Environment Testing

Client Contact: Jonathan Dippert K. Moline	Sampler: C. Omsby	Lab PM: Tessier, Kelly	Carrier Tracking No(s):	COC No: 410-77611-21525.1
Company: CT Male Associates DPC	Phone:	E-Mail: kelly.tessier@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2 1 of 1
	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.Moline@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:	X	X	N	Y	N	X	
GAC INFLUENT	9/7/23	0830	G	Water	N	N	✓	✓		8	PFAS Dates all collected here
GAC MIDFLUENT	9/7/23	0834	G	Water	↓	↓	✓	✓		4	
GAC EFFLUENT	9/7/23	0837	G	Water			✓	✓		4	
SG1-FTB01-230907	9/7/23	0840	G	Water			✓	✓		4	
SG1-LTB01-230907	9/7/23	—	G	Water			✓	✓		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 1 file

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 9/8/23 1230	Company: CTM	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: [signature]	Date/Time: 9/9/23 09:57	Company: EUET

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: Raw: 1.2 Cor: 1.0

Ver: 06/08/2021

9/25/2023

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-142142-1
SDG Number: HOO

Login Number: 142142
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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=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	