eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Accounts Payable
CT Male Associates DPC
50 Century Hill Dr
Latham, New York 12110

Generated 1/15/2024 7:03:47 AM

JOB DESCRIPTION

Hoosick Falls WTP
HOO

JOB NUMBER

410-154873-1

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

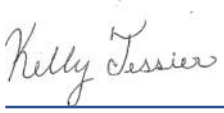
See page two for job notes and contact information.

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



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

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

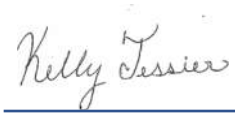

Table of Contents

Definitions/Glossary

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

Job ID: 410-154873-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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 Narrative
410-154873-1

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 12/15/2023 9:55 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 1.4°C

PFAS
Method 537.1_DW: The following sample was found to contain residual chlorine: GAC Influent (410-154873-1).

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: 410-154873-1
SDG: HOO

Client Sample ID: GAC Influent — Lab Sample ID: 410-154873-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	3.4		1.9		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.8		1.9		ng/L	1		537 (Mod)	Total/NA
Perfluoroheptanoic acid	10		1.8		ng/L	1		EPA 537.1	Total/NA
Perfluorohexanoic acid	9.1		1.8		ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.7		1.8		ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid - DL	340		18		ng/L	10		EPA 537.1	Total/NA

Client Sample ID: GAC Midfluent — Lab Sample ID: 410-154873-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	5.5		1.8		ng/L	1		537 (Mod)	Total/NA

Client Sample ID: GAC Effluent — Lab Sample ID: 410-154873-3

No Detections.

Client Sample ID: PV-2_25 — Lab Sample ID: 410-154873-4

No Detections.

Client Sample ID: PV-2_50 — Lab Sample ID: 410-154873-5

No Detections.

Client Sample ID: PV-2_75 — Lab Sample ID: 410-154873-6

No Detections.

Client Sample ID: FTB01_231214 — Lab Sample ID: 410-154873-7

No Detections.

Client Sample ID: LTB01_231214 — Lab Sample ID: 410-154873-8

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: GAC Influent

Date Collected: 12/14/23 09:35
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-1

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	1.9	U	1.9		ng/L		01/09/24 08:22	01/10/24 21:54	1
8:2 Fluorotelomer sulfonic acid	1.9	U	1.9		ng/L		01/09/24 08:22	01/10/24 21:54	1
Perfluorobutanoic acid	**3.4**		1.9		ng/L		01/09/24 08:22	01/10/24 21:54	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		01/09/24 08:22	01/10/24 21:54	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		01/09/24 08:22	01/10/24 21:54	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		01/09/24 08:22	01/10/24 21:54	1
Perfluoropentanoic acid	**2.8**		1.9		ng/L		01/09/24 08:22	01/10/24 21:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*86*		*40 - 200*	*01/09/24 08:22*	*01/10/24 21:54*	*1*
M2-8:2 FTS	*80*		*37 - 200*	*01/09/24 08:22*	*01/10/24 21:54*	*1*
13C4 PFBA	*102*		*22 - 174*	*01/09/24 08:22*	*01/10/24 21:54*	*1*
13C5 PFPeA	*105*		*33 - 196*	*01/09/24 08:22*	*01/10/24 21:54*	*1*
13C8 PFOS	*96*		*59 - 155*	*01/09/24 08:22*	*01/10/24 21:54*	*1*
13C8 FOSA	*72*		*10 - 155*	*01/09/24 08:22*	*01/10/24 21:54*	*1*
13C3 PFHxS	*110*		*48 - 169*	*01/09/24 08:22*	*01/10/24 21:54*	*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		12/18/23 14:39	12/20/23 06:51	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluoroheptanoic acid	**10**		1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorohexanoic acid	**9.1**		1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorooctanesulfonic acid	**3.7**		1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*117*		*70 - 130*	*12/18/23 14:39*	*12/20/23 06:51*	*1*
13C2 PFHxA	*112*		*70 - 130*	*12/18/23 14:39*	*12/20/23 06:51*	*1*
d5-NEtFOSAA	*101*		*70 - 130*	*12/18/23 14:39*	*12/20/23 06:51*	*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	**340**		18		ng/L		12/18/23 14:39	12/20/23 14:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*101*		*70 - 130*	*12/18/23 14:39*	*12/20/23 14:46*	*10*
13C2 PFHxA	*98*		*70 - 130*	*12/18/23 14:39*	*12/20/23 14:46*	*10*
d5-NEtFOSAA	*88*		*70 - 130*	*12/18/23 14:39*	*12/20/23 14:46*	*10*

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: GAC Midfluent

Date Collected: 12/14/23 09:40
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-2

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	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 22:08	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 22:08	1
Perfluorobutanoic acid	**5.5**		1.8		ng/L		01/09/24 08:22	01/10/24 22:08	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 22:08	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 22:08	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 22:08	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 22:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*100*		*40 - 200*	*01/09/24 08:22*	*01/10/24 22:08*	*1*
M2-8:2 FTS	*79*		*37 - 200*	*01/09/24 08:22*	*01/10/24 22:08*	*1*
13C4 PFBA	*93*		*22 - 174*	*01/09/24 08:22*	*01/10/24 22:08*	*1*
13C5 PFPeA	*92*		*33 - 196*	*01/09/24 08:22*	*01/10/24 22:08*	*1*
13C8 PFOS	*104*		*59 - 155*	*01/09/24 08:22*	*01/10/24 22:08*	*1*
13C8 FOSA	*73*		*10 - 155*	*01/09/24 08:22*	*01/10/24 22:08*	*1*
13C3 PFHxS	*95*		*48 - 169*	*01/09/24 08:22*	*01/10/24 22:08*	*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		12/18/23 14:39	12/20/23 07:02	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*95*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:02*	*1*
13C2 PFHxA	*98*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:02*	*1*
d5-NEtFOSAA	*95*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:02*	*1*

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: GAC Effluent

Date Collected: 12/14/23 09:45
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-3

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	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:22	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:22	1
Perfluorobutanoic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:22	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:22	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:22	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:22	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:22	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*83*		*40 - 200*	*01/09/24 08:22*	*01/10/24 22:22*	*1*
M2-8:2 FTS	*71*		*37 - 200*	*01/09/24 08:22*	*01/10/24 22:22*	*1*
13C4 PFBA	*79*		*22 - 174*	*01/09/24 08:22*	*01/10/24 22:22*	*1*
13C5 PFPeA	*78*		*33 - 196*	*01/09/24 08:22*	*01/10/24 22:22*	*1*
13C8 PFOS	*88*		*59 - 155*	*01/09/24 08:22*	*01/10/24 22:22*	*1*
13C8 FOSA	*61*		*10 - 155*	*01/09/24 08:22*	*01/10/24 22:22*	*1*
13C3 PFHxS	*81*		*48 - 169*	*01/09/24 08:22*	*01/10/24 22:22*	*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		12/18/23 14:39	12/20/23 07:14	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*96*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:14*	*1*
13C2 PFHxA	*95*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:14*	*1*
d5-NEtFOSAA	*97*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:14*	*1*

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: PV-2_25
Date Collected: 12/14/23 09:50
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-4
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	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:35	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:35	1
Perfluorobutanoic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:35	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:35	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:35	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:35	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*89*		*40 - 200*	*01/09/24 08:22*	*01/10/24 22:35*	*1*
M2-8:2 FTS	*77*		*37 - 200*	*01/09/24 08:22*	*01/10/24 22:35*	*1*
13C4 PFBA	*89*		*22 - 174*	*01/09/24 08:22*	*01/10/24 22:35*	*1*
13C5 PFPeA	*90*		*33 - 196*	*01/09/24 08:22*	*01/10/24 22:35*	*1*
13C8 PFOS	*87*		*59 - 155*	*01/09/24 08:22*	*01/10/24 22:35*	*1*
13C8 FOSA	*77*		*10 - 155*	*01/09/24 08:22*	*01/10/24 22:35*	*1*
13C3 PFHxS	*88*		*48 - 169*	*01/09/24 08:22*	*01/10/24 22:35*	*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		12/18/23 14:39	12/20/23 07:26	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*103*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:26*	*1*
13C2 PFHxA	*99*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:26*	*1*
d5-NEtFOSAA	*104*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:26*	*1*

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: PV-2_50

Date Collected: 12/14/23 09:55
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-5

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	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:49	1
8:2 Fluorotelomer sulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:49	1
Perfluorobutanoic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:49	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:49	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:49	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:49	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		01/09/24 08:22	01/10/24 22:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*83*		*40 - 200*	*01/09/24 08:22*	*01/10/24 22:49*	*1*
M2-8:2 FTS	*77*		*37 - 200*	*01/09/24 08:22*	*01/10/24 22:49*	*1*
13C4 PFBA	*80*		*22 - 174*	*01/09/24 08:22*	*01/10/24 22:49*	*1*
13C5 PFPeA	*78*		*33 - 196*	*01/09/24 08:22*	*01/10/24 22:49*	*1*
13C8 PFOS	*88*		*59 - 155*	*01/09/24 08:22*	*01/10/24 22:49*	*1*
13C8 FOSA	*68*		*10 - 155*	*01/09/24 08:22*	*01/10/24 22:49*	*1*
13C3 PFHxS	*85*		*48 - 169*	*01/09/24 08:22*	*01/10/24 22:49*	*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		12/18/23 14:39	12/20/23 07:37	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 14:39	12/20/23 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*99*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:37*	*1*
13C2 PFHxA	*94*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:37*	*1*
d5-NEtFOSAA	*100*		*70 - 130*	*12/18/23 14:39*	*12/20/23 07:37*	*1*

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: PV-2_75
Date Collected: 12/14/23 10:00
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-6
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		01/09/24 08:22	01/10/24 23:02	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:02	1
Perfluorobutanoic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:02	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:02	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:02	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:02	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*84*		*40 - 200*	*01/09/24 08:22*	*01/10/24 23:02*	*1*
M2-8:2 FTS	*71*		*37 - 200*	*01/09/24 08:22*	*01/10/24 23:02*	*1*
13C4 PFBA	*89*		*22 - 174*	*01/09/24 08:22*	*01/10/24 23:02*	*1*
13C5 PFPeA	*89*		*33 - 196*	*01/09/24 08:22*	*01/10/24 23:02*	*1*
13C8 PFOS	*86*		*59 - 155*	*01/09/24 08:22*	*01/10/24 23:02*	*1*
13C8 FOSA	*69*		*10 - 155*	*01/09/24 08:22*	*01/10/24 23:02*	*1*
13C3 PFHxS	*84*		*48 - 169*	*01/09/24 08:22*	*01/10/24 23:02*	*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		12/18/23 15:19	12/20/23 02:24	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*92*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:24*	*1*
13C2 PFHxA	*95*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:24*	*1*
d5-NEtFOSAA	*94*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:24*	*1*

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: FTB01_231214
Date Collected: 12/14/23 10:05
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-7
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		01/09/24 08:22	01/10/24 23:16	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:16	1
Perfluorobutanoic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:16	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:16	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:16	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:16	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*90*		*40 - 200*	*01/09/24 08:22*	*01/10/24 23:16*	*1*
M2-8:2 FTS	*81*		*37 - 200*	*01/09/24 08:22*	*01/10/24 23:16*	*1*
13C4 PFBA	*93*		*22 - 174*	*01/09/24 08:22*	*01/10/24 23:16*	*1*
13C5 PFPeA	*96*		*33 - 196*	*01/09/24 08:22*	*01/10/24 23:16*	*1*
13C8 PFOS	*92*		*59 - 155*	*01/09/24 08:22*	*01/10/24 23:16*	*1*
13C8 FOSA	*74*		*10 - 155*	*01/09/24 08:22*	*01/10/24 23:16*	*1*
13C3 PFHxS	*89*		*48 - 169*	*01/09/24 08:22*	*01/10/24 23:16*	*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		12/18/23 15:19	12/20/23 02:36	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*94*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:36*	*1*
13C2 PFHxA	*95*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:36*	*1*
d5-NEtFOSAA	*99*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:36*	*1*

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: LTB01_231214
Date Collected: 12/14/23 00:00
Date Received: 12/15/23 09:55

Lab Sample ID: 410-154873-8
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		01/09/24 08:22	01/10/24 23:30	1
8:2 Fluorotelomer sulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:30	1
Perfluorobutanoic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:30	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:30	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:30	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:30	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		01/09/24 08:22	01/10/24 23:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*113*		*40 - 200*	*01/09/24 08:22*	*01/10/24 23:30*	*1*
M2-8:2 FTS	*104*		*37 - 200*	*01/09/24 08:22*	*01/10/24 23:30*	*1*
13C4 PFBA	*117*		*22 - 174*	*01/09/24 08:22*	*01/10/24 23:30*	*1*
13C5 PFPeA	*129*		*33 - 196*	*01/09/24 08:22*	*01/10/24 23:30*	*1*
13C8 PFOS	*125*		*59 - 155*	*01/09/24 08:22*	*01/10/24 23:30*	*1*
13C8 FOSA	*101*		*10 - 155*	*01/09/24 08:22*	*01/10/24 23:30*	*1*
13C3 PFHxS	*116*		*48 - 169*	*01/09/24 08:22*	*01/10/24 23:30*	*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		12/18/23 15:19	12/20/23 02:48	1
NMeFOSAA	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorohexanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		12/18/23 15:19	12/20/23 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*92*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:48*	*1*
13C2 PFHxA	*96*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:48*	*1*
d5-NEtFOSAA	*94*		*70 - 130*	*12/18/23 15:19*	*12/20/23 02:48*	*1*

Surrogate Summary

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

Job ID: 410-154873-1
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)						
410-154873-1	GAC Influent	117	112	101						
410-154873-1 - DL	GAC Influent	101	98	88						
410-154873-2	GAC Midfluent	95	98	95						
410-154873-3	GAC Effluent	96	95	97						
410-154873-4	PV-2_25	103	99	104						
410-154873-5	PV-2_50	99	94	100						
410-154873-6	PV-2_75	92	95	94						
410-154873-7	FTB01_231214	94	95	99						
410-154873-8	LTB01_231214	92	96	94						
LCS 410-455351/2-A	Lab Control Sample	97	95	98						
LCS 410-455398/2-A	Lab Control Sample	95	93	102						
LCSD 410-455351/3-A	Lab Control Sample Dup	98	97	95						
LCSD 410-455398/3-A	Lab Control Sample Dup	95	93	98						
MB 410-455351/1-A	Method Blank	95	92	94						
MB 410-455398/1-A	Method Blank	95	92	96						

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: 410-154873-1
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)
410-154873-1	GAC Influent	86	80	102	105	96	72	110
410-154873-2	GAC Midfluent	100	79	93	92	104	73	95
410-154873-3	GAC Effluent	83	71	79	78	88	61	81
410-154873-4	PV-2_25	89	77	89	90	87	77	88
410-154873-5	PV-2_50	83	77	80	78	88	68	85
410-154873-6	PV-2_75	84	71	89	89	86	69	84
410-154873-7	FTB01_231214	90	81	93	96	92	74	89
410-154873-8	LTB01_231214	113	104	117	129	125	101	116
LCS 410-461501/2-A	Lab Control Sample	81	75	80	90	88	63	81
LCSD 410-461501/3-A	Lab Control Sample Dup	79	64	85	87	82	67	77
MB 410-461501/1-A	Method Blank	105	91	103	111	110	90	105

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 410-461501/1-A
Matrix: Water
Analysis Batch: 461986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 461501

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	2.0	U	2.0		ng/L		01/09/24 08:22	01/10/24 21:00	1
8:2 Fluorotelomer sulfonic acid	2.0	U	2.0		ng/L		01/09/24 08:22	01/10/24 21:00	1
Perfluorobutanoic acid	2.0	U	2.0		ng/L		01/09/24 08:22	01/10/24 21:00	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		01/09/24 08:22	01/10/24 21:00	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		01/09/24 08:22	01/10/24 21:00	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		01/09/24 08:22	01/10/24 21:00	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		01/09/24 08:22	01/10/24 21:00	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*105*		*40 - 200*	*01/09/24 08:22*	*01/10/24 21:00*	*1*
M2-8:2 FTS	*91*		*37 - 200*	*01/09/24 08:22*	*01/10/24 21:00*	*1*
13C4 PFBA	*103*		*22 - 174*	*01/09/24 08:22*	*01/10/24 21:00*	*1*
13C5 PFPeA	*111*		*33 - 196*	*01/09/24 08:22*	*01/10/24 21:00*	*1*
13C8 PFOS	*110*		*59 - 155*	*01/09/24 08:22*	*01/10/24 21:00*	*1*
13C8 FOSA	*90*		*10 - 155*	*01/09/24 08:22*	*01/10/24 21:00*	*1*
13C3 PFHxS	*105*		*48 - 169*	*01/09/24 08:22*	*01/10/24 21:00*	*1*

Lab Sample ID: LCS 410-461501/2-A
Matrix: Water
Analysis Batch: 461986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 461501

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
6:2 Fluorotelomer sulfonic acid			24.3	23.4		ng/L		96	61 - 132		
8:2 Fluorotelomer sulfonic acid			24.5	23.8		ng/L		97	55 - 134		
Perfluorobutanoic acid			25.6	22.1		ng/L		86	58 - 130		
Perfluorodecanesulfonic acid			24.7	21.5		ng/L		87	55 - 130		
Perfluoroheptanesulfonic acid			24.4	21.5		ng/L		88	59 - 130		
Perfluorooctanesulfonamide			25.6	27.6		ng/L		108	67 - 132		
Perfluoropentanoic acid			25.6	22.7		ng/L		88	60 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*81*		*40 - 200*
M2-8:2 FTS	*75*		*37 - 200*
13C4 PFBA	*80*		*22 - 174*
13C5 PFPeA	*90*		*33 - 196*
13C8 PFOS	*88*		*59 - 155*
13C8 FOSA	*63*		*10 - 155*
13C3 PFHxS	*81*		*48 - 169*

Lab Sample ID: LCSD 410-461501/3-A
Matrix: Water
Analysis Batch: 461986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 461501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid			24.3	22.6		ng/L		93	61 - 132	4	30
8:2 Fluorotelomer sulfonic acid			24.5	26.4		ng/L		108	55 - 134	10	30
Perfluorobutanoic acid			25.6	20.9		ng/L		82	58 - 130	6	30
Perfluorodecanesulfonic acid			24.7	22.9		ng/L		93	55 - 130	7	30
Perfluoroheptanesulfonic acid			24.4	21.2		ng/L		87	59 - 130	1	30

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

Lab Sample ID: LCSD 410-461501/3-A
Matrix: Water
Analysis Batch: 461986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 461501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonamide			25.6	26.3		ng/L		103	67 - 132	5	30
Perfluoropentanoic acid			25.6	22.7		ng/L		89	60 - 130	0	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
M2-6:2 FTS	*79*		*40 - 200*
M2-8:2 FTS	*64*		*37 - 200*
13C4 PFBA	*85*		*22 - 174*
13C5 PFPeA	*87*		*33 - 196*
13C8 PFOS	*82*		*59 - 155*
13C8 FOSA	*67*		*10 - 155*
13C3 PFHxS	*77*		*48 - 169*

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

Lab Sample ID: MB 410-455351/1-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455351

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
NMeFOSAA	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorodecanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorohexanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		12/18/23 14:39	12/20/23 03:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*95*		*70 - 130*	*12/18/23 14:39*	*12/20/23 03:34*	*1*
13C2 PFHxA	*92*		*70 - 130*	*12/18/23 14:39*	*12/20/23 03:34*	*1*
d5-NEtFOSAA	*94*		*70 - 130*	*12/18/23 14:39*	*12/20/23 03:34*	*1*

Lab Sample ID: LCS 410-455351/2-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455351

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
NEtFOSAA			60.0	57.9		ng/L		97	70 - 130		
NMeFOSAA			60.0	62.3		ng/L		104	70 - 130		
Perfluorobutanesulfonic acid			53.1	50.4		ng/L		95	70 - 130		
Perfluorodecanoic acid			60.0	55.5		ng/L		93	70 - 130		
Perfluorododecanoic acid			60.0	52.3		ng/L		87	70 - 130		

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

Lab Sample ID: LCS 410-455351/2-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455351

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoroheptanoic acid			60.0	53.8		ng/L		90	70 - 130		
Perfluorohexanesulfonic acid			54.7	56.7		ng/L		104	70 - 130		
Perfluorohexanoic acid			60.0	54.5		ng/L		91	70 - 130		
Perfluorononanoic acid			60.0	53.4		ng/L		89	70 - 130		
Perfluorooctanesulfonic acid			55.5	56.8		ng/L		102	70 - 130		
Perfluorooctanoic acid			60.0	56.0		ng/L		93	70 - 130		
Perfluorotetradecanoic acid			60.0	58.8		ng/L		98	70 - 130		
Perfluorotridecanoic acid			60.0	55.0		ng/L		92	70 - 130		
Perfluoroundecanoic acid			60.0	50.9		ng/L		85	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFDA	*97*		*70 - 130*
13C2 PFHxA	*95*		*70 - 130*
d5-NEtFOSAA	*98*		*70 - 130*

Lab Sample ID: LCSD 410-455351/3-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 455351

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA			60.0	55.0		ng/L		92	70 - 130	5	30
NMeFOSAA			60.0	58.9		ng/L		98	70 - 130	6	30
Perfluorobutanesulfonic acid			53.1	54.0		ng/L		102	70 - 130	7	30
Perfluorodecanoic acid			60.0	53.0		ng/L		88	70 - 130	5	30
Perfluorododecanoic acid			60.0	54.8		ng/L		91	70 - 130	5	30
Perfluoroheptanoic acid			60.0	54.9		ng/L		91	70 - 130	2	30
Perfluorohexanesulfonic acid			54.7	58.3		ng/L		106	70 - 130	3	30
Perfluorohexanoic acid			60.0	55.7		ng/L		93	70 - 130	2	30
Perfluorononanoic acid			60.0	54.6		ng/L		91	70 - 130	2	30
Perfluorooctanesulfonic acid			55.5	57.8		ng/L		104	70 - 130	2	30
Perfluorooctanoic acid			60.0	56.4		ng/L		94	70 - 130	1	30
Perfluorotetradecanoic acid			60.0	58.8		ng/L		98	70 - 130	0	30
Perfluorotridecanoic acid			60.0	54.4		ng/L		91	70 - 130	1	30
Perfluoroundecanoic acid			60.0	50.0		ng/L		83	70 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C2 PFDA	*98*		*70 - 130*
13C2 PFHxA	*97*		*70 - 130*
d5-NEtFOSAA	*95*		*70 - 130*

Lab Sample ID: MB 410-455398/1-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455398

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
NEtFOSAA	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
NMeFOSAA	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorobutanesulfonic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1

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

Lab Sample ID: MB 410-455398/1-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455398

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorododecanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluoroheptanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorohexanesulfonic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorohexanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorononanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorooctanesulfonic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorooctanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorotetradecanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluorotridecanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1
Perfluoroundecanoic acid	2.0	U	2.0		ng/L		12/18/23 15:19	12/20/23 01:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*95*		*70 - 130*	*12/18/23 15:19*	*12/20/23 01:38*	*1*
13C2 PFHxA	*92*		*70 - 130*	*12/18/23 15:19*	*12/20/23 01:38*	*1*
d5-NEtFOSAA	*96*		*70 - 130*	*12/18/23 15:19*	*12/20/23 01:38*	*1*

Lab Sample ID: LCS 410-455398/2-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455398

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
NEtFOSAA			20.5	22.0		ng/L		107	70 - 130		
NMeFOSAA			20.5	23.7		ng/L		115	70 - 130		
Perfluorobutanesulfonic acid			18.1	18.1		ng/L		100	70 - 130		
Perfluorodecanoic acid			20.5	20.2		ng/L		99	70 - 130		
Perfluorododecanoic acid			20.5	20.7		ng/L		101	70 - 130		
Perfluoroheptanoic acid			20.5	20.0		ng/L		98	70 - 130		
Perfluorohexanesulfonic acid			18.7	20.8		ng/L		111	70 - 130		
Perfluorohexanoic acid			20.5	20.0		ng/L		98	70 - 130		
Perfluorononanoic acid			20.5	21.1		ng/L		103	70 - 130		
Perfluorooctanesulfonic acid			19.0	20.2		ng/L		107	70 - 130		
Perfluorooctanoic acid			20.5	21.2		ng/L		104	70 - 130		
Perfluorotetradecanoic acid			20.5	21.4		ng/L		105	70 - 130		
Perfluorotridecanoic acid			20.5	20.8		ng/L		102	70 - 130		
Perfluoroundecanoic acid			20.5	19.3		ng/L		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C2 PFDA	*95*		*70 - 130*
13C2 PFHxA	*93*		*70 - 130*
d5-NEtFOSAA	*102*		*70 - 130*

Lab Sample ID: LCSD 410-455398/3-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 455398

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSAA			20.5	21.1		ng/L		103	70 - 130	4	30

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

Lab Sample ID: LCSD 410-455398/3-A
Matrix: Water
Analysis Batch: 456045

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 455398

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NMeFOSAA			20.5	22.3		ng/L		109	70 - 130	6	30
Perfluorobutanesulfonic acid			18.1	19.5		ng/L		107	70 - 130	7	30
Perfluorodecanoic acid			20.5	20.0		ng/L		98	70 - 130	1	30
Perfluorododecanoic acid			20.5	20.4		ng/L		100	70 - 130	1	30
Perfluoroheptanoic acid			20.5	20.7		ng/L		101	70 - 130	3	30
Perfluorohexanesulfonic acid			18.7	21.1		ng/L		113	70 - 130	2	30
Perfluorohexanoic acid			20.5	20.2		ng/L		99	70 - 130	1	30
Perfluorononanoic acid			20.5	20.2		ng/L		99	70 - 130	4	30
Perfluorooctanesulfonic acid			19.0	20.6		ng/L		109	70 - 130	2	30
Perfluorooctanoic acid			20.5	20.6		ng/L		101	70 - 130	3	30
Perfluorotetradecanoic acid			20.5	21.0		ng/L		103	70 - 130	2	30
Perfluorotridecanoic acid			20.5	19.7		ng/L		96	70 - 130	5	30
Perfluoroundecanoic acid			20.5	18.7		ng/L		91	70 - 130	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C2 PFDA	*95*		*70 - 130*
13C2 PFHxA	*93*		*70 - 130*
d5-NEtFOSAA	*98*		*70 - 130*

LCMS

Prep Batch: 455351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154873-1 - DL	GAC Influent	Total/NA	Water	537.1 DW Prep	
410-154873-1	GAC Influent	Total/NA	Water	537.1 DW Prep	
410-154873-2	GAC Midfluent	Total/NA	Water	537.1 DW Prep	
410-154873-3	GAC Effluent	Total/NA	Water	537.1 DW Prep	
410-154873-4	PV-2_25	Total/NA	Water	537.1 DW Prep	
410-154873-5	PV-2_50	Total/NA	Water	537.1 DW Prep	
MB 410-455351/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-455351/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	
LCSD 410-455351/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW Prep	

Prep Batch: 455398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154873-6	PV-2_75	Total/NA	Water	537.1 DW Prep	
410-154873-7	FTB01_231214	Total/NA	Water	537.1 DW Prep	
410-154873-8	LTB01_231214	Total/NA	Water	537.1 DW Prep	
MB 410-455398/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-455398/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	
LCSD 410-455398/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW Prep	

Analysis Batch: 456045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154873-1	GAC Influent	Total/NA	Water	EPA 537.1	455351
410-154873-2	GAC Midfluent	Total/NA	Water	EPA 537.1	455351
410-154873-3	GAC Effluent	Total/NA	Water	EPA 537.1	455351
410-154873-4	PV-2_25	Total/NA	Water	EPA 537.1	455351
410-154873-5	PV-2_50	Total/NA	Water	EPA 537.1	455351
410-154873-6	PV-2_75	Total/NA	Water	EPA 537.1	455398
410-154873-7	FTB01_231214	Total/NA	Water	EPA 537.1	455398
410-154873-8	LTB01_231214	Total/NA	Water	EPA 537.1	455398
MB 410-455351/1-A	Method Blank	Total/NA	Water	EPA 537.1	455351
MB 410-455398/1-A	Method Blank	Total/NA	Water	EPA 537.1	455398
LCS 410-455351/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	455351
LCS 410-455398/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	455398
LCSD 410-455351/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537.1	455351
LCSD 410-455398/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537.1	455398

Analysis Batch: 456388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154873-1 - DL	GAC Influent	Total/NA	Water	EPA 537.1	455351

Prep Batch: 461501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154873-1	GAC Influent	Total/NA	Water	SPE	
410-154873-2	GAC Midfluent	Total/NA	Water	SPE	
410-154873-3	GAC Effluent	Total/NA	Water	SPE	
410-154873-4	PV-2_25	Total/NA	Water	SPE	
410-154873-5	PV-2_50	Total/NA	Water	SPE	
410-154873-6	PV-2_75	Total/NA	Water	SPE	
410-154873-7	FTB01_231214	Total/NA	Water	SPE	
410-154873-8	LTB01_231214	Total/NA	Water	SPE	
MB 410-461501/1-A	Method Blank	Total/NA	Water	SPE	

LCMS (Continued)

Prep Batch: 461501 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-461501/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-461501/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 461986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154873-1	GAC Influent	Total/NA	Water	537 (Mod)	461501
410-154873-2	GAC Midfluent	Total/NA	Water	537 (Mod)	461501
410-154873-3	GAC Effluent	Total/NA	Water	537 (Mod)	461501
410-154873-4	PV-2_25	Total/NA	Water	537 (Mod)	461501
410-154873-5	PV-2_50	Total/NA	Water	537 (Mod)	461501
410-154873-6	PV-2_75	Total/NA	Water	537 (Mod)	461501
410-154873-7	FTB01_231214	Total/NA	Water	537 (Mod)	461501
410-154873-8	LTB01_231214	Total/NA	Water	537 (Mod)	461501
MB 410-461501/1-A	Method Blank	Total/NA	Water	537 (Mod)	461501
LCS 410-461501/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	461501
LCSD 410-461501/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	461501

Lab Chronicle

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: GAC Influent
Lab Sample ID: 410-154873-1

Date Collected: 12/14/23 09:35
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 21:54
Total/NA	Prep	537.1 DW Prep			455351	WW2J	ELLE	12/18/23 14:39
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 06:51
Total/NA	Prep	537.1 DW Prep	DL		455351	WW2J	ELLE	12/18/23 14:39
Total/NA	Analysis	EPA 537.1	DL	10	456388	WR4P	ELLE	12/20/23 14:46

Client Sample ID: GAC Midfluent
Lab Sample ID: 410-154873-2

Date Collected: 12/14/23 09:40
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 22:08
Total/NA	Prep	537.1 DW Prep			455351	WW2J	ELLE	12/18/23 14:39
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 07:02

Client Sample ID: GAC Effluent
Lab Sample ID: 410-154873-3

Date Collected: 12/14/23 09:45
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 22:22
Total/NA	Prep	537.1 DW Prep			455351	WW2J	ELLE	12/18/23 14:39
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 07:14

Client Sample ID: PV-2_25
Lab Sample ID: 410-154873-4

Date Collected: 12/14/23 09:50
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 22:35
Total/NA	Prep	537.1 DW Prep			455351	WW2J	ELLE	12/18/23 14:39
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 07:26

Client Sample ID: PV-2_50
Lab Sample ID: 410-154873-5

Date Collected: 12/14/23 09:55
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 22:49
Total/NA	Prep	537.1 DW Prep			455351	WW2J	ELLE	12/18/23 14:39
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 07:37

Lab Chronicle

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

Job ID: 410-154873-1
SDG: HOO

Client Sample ID: PV-2_75

Lab Sample ID: 410-154873-6

Date Collected: 12/14/23 10:00
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 23:02
Total/NA	Prep	537.1 DW Prep			455398	WW2J	ELLE	12/18/23 15:19
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 02:24

Client Sample ID: FTB01_231214

Lab Sample ID: 410-154873-7

Date Collected: 12/14/23 10:05
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 23:16
Total/NA	Prep	537.1 DW Prep			455398	WW2J	ELLE	12/18/23 15:19
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 02:36

Client Sample ID: LTB01_231214

Lab Sample ID: 410-154873-8

Date Collected: 12/14/23 00:00
Matrix: Water
Date Received: 12/15/23 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			461501	DX7G	ELLE	01/09/24 08:22
Total/NA	Analysis	537 (Mod)		1	461986	DQV6	ELLE	01/10/24 23:30
Total/NA	Prep	537.1 DW Prep			455398	WW2J	ELLE	12/18/23 15:19
Total/NA	Analysis	EPA 537.1		1	456045	DCS9	ELLE	12/20/23 02:48

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: 410-154873-1
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: 410-154873-1
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: 410-154873-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-154873-1	GAC Influent	Water	12/14/23 09:35	12/15/23 09:55
410-154873-2	GAC Midfluent	Water	12/14/23 09:40	12/15/23 09:55
410-154873-3	GAC Effluent	Water	12/14/23 09:45	12/15/23 09:55
410-154873-4	PV-2_25	Water	12/14/23 09:50	12/15/23 09:55
410-154873-5	PV-2_50	Water	12/14/23 09:55	12/15/23 09:55
410-154873-6	PV-2_75	Water	12/14/23 10:00	12/15/23 09:55
410-154873-7	FTB01_231214	Water	12/14/23 10:05	12/15/23 09:55
410-154873-8	LTB01_231214	Water	12/14/23 00:00	12/15/23 09:55

410-154873 Chain of Custody

onme

Chain of Custody Record

817934696702

eurofins | Environment Testing

Client Information	Sampler: Dan Achtyl	Lab PM: Tessier, Kelly	Carrier Tracking No(s):	COC No: 410-77614-21525 1
Client Contact: Jonathan Dippert, Kirk Moline	Phone: 518-786-7501	E-Mail: kelly.tessier@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: 518-786-7400	PO #: Purchase Order not required			
Email: j.dippert@ctmale.com, K.Moline@CTMale.com	WO #:			
Project Name: Hoosick Falls WTP	Project #: 41000511			
Site: 14.4756	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	12/14/2023	0935	G	Water	N	N	X	X		4	
GAC Midfluent		0940		Water			X	X		4	
GAC Effluent		0945		Water			X	X		4	
PV-2_25		0950		Water			X	X		4	
PV-2_50		0955		Water			X	X		4	
PV-2_75		1000		Water			X	X		4	
FTB01_231214		1005		Water			X	X		4	
LTB01_231214		—		Water			X	X		4	
				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: 12/14/2023 1430	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: 12/15/23 0955	Company: TMA

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

Cooler Temperature(s) °C and Other Remarks: R: 1.4 C: 1.4

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-154873-1
SDG Number: HOO

Login Number: 154873
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 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	