



ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/4/2023 7:03:33 AM

JOB DESCRIPTION

Hoosick Falls WTP
HOO

JOB NUMBER

410-151716-1

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
12/4/2023 7:03:33 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.

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

Cover Page	1
Table of Contents	4
Definitions/Glossary	5
Case Narrative	6
Detection Summary	7
Client Sample Results	8
Surrogate Summary	16
Isotope Dilution Summary	17
QC Sample Results	18
QC Association Summary	23
Lab Chronicle	25
Certification Summary	27
Method Summary	28
Sample Summary	29
Chain of Custody	30
Receipt Checklists	31

Definitions/Glossary

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

Job ID: 410-151716-1
SDG: HOO

Qualifiers

LCMS

Qualifier	Qualifier Description
*5-	Isotope dilution analyte is outside acceptance limits, low biased.
cn	Refer to Case Narrative for further detail
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

Case Narrative

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

Job ID: 410-151716-1
SDG: HOO

Job ID: 410-151716-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Narrative

Job Narrative 410-151716-1

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 11/17/2023 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 1.1°C

PFAS

Method 537.1_DW: The following sample was found to contain residual chlorine: GAC INFLUENT (410-151716-1).

Method 537.1_DW: The reference method requires samples to be preserved to a pH of 6.5-7.5. The following sample was received with insufficient preservation at a pH of 6.4: GAC EFFLUENT (410-151716-3) and could not be adjusted. This does not meet regulatory requirements.

Method 537.1_DW: The reference method requires samples to be preserved to a pH of 6.5-7.5. The following sample was received with insufficient preservation at a pH of 6.4: PV-02 25 (410-151716-4) and could not be adjusted. This does not meet regulatory requirements.

Method 537.1_DW: The reference method requires samples to be preserved to a pH of 6.5-7.5. The following sample was received with insufficient preservation at a pH of 6.2: PV-02 50 (410-151716-5) and could not be adjusted. This does not meet regulatory requirements.

Method 537.1_DW: The reference method requires samples to be preserved to a pH of 6.5-7.5. The following sample was received with insufficient preservation at a pH of 6.4: PV-02 75 (410-151716-6) and could not be adjusted. This does not meet regulatory requirements.

Method PFC_IDA: The recovery for the labeled isotope: ¹³C₄ PFBA in the following sample: GAC INFLUENT (410-151716-1) is outside the QC acceptance limits. The client was contacted and the data is reported.

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

Detection Summary

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-151716-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	4.1	cn	1.8	ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.8	cn	1.8	ng/L	1		537 (Mod)	Total/NA
Perfluoroheptanoic acid	10	cn	1.8	ng/L	1		EPA 537.1	Total/NA
Perfluorohexanoic acid	10	cn	1.8	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanesulfonic acid	3.7	cn	1.8	ng/L	1		EPA 537.1	Total/NA
Perfluorooctanoic acid - DL	360	cn	18	ng/L	10		EPA 537.1	Total/NA

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-151716-2

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid	5.6	cn	1.8	ng/L	1		537 (Mod)	Total/NA

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-151716-3

No Detections.

Client Sample ID: PV-02 25

Lab Sample ID: 410-151716-4

No Detections.

Client Sample ID: PV-02 50

Lab Sample ID: 410-151716-5

No Detections.

Client Sample ID: PV-02 75

Lab Sample ID: 410-151716-6

No Detections.

Client Sample ID: FTB01-231116

Lab Sample ID: 410-151716-7

No Detections.

Client Sample ID: LTB01-231116

Lab Sample ID: 410-151716-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-151716-1

Date Collected: 11/16/23 13:10

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:04	1
8:2 Fluorotelomer sulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:04	1
Perfluorobutanoic acid	4.1	cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:04	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:04	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:04	1
Perfluorooctanesulfonamide	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:04	1
Perfluoropentanoic acid	2.8	cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:04	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
M2-6:2 FTS	98	cn	40 - 200			11/20/23 16:02	11/25/23 00:04	1
M2-8:2 FTS	114	cn	37 - 200			11/20/23 16:02	11/25/23 00:04	1
13C4 PFBA	21	*5- cn	22 - 174			11/20/23 16:02	11/25/23 00:04	1
13C5 PFPeA	114	cn	33 - 196			11/20/23 16:02	11/25/23 00:04	1
13C8 PFOS	96	cn	59 - 155			11/20/23 16:02	11/25/23 00:04	1
13C8 FOSA	92	cn	10 - 155			11/20/23 16:02	11/25/23 00:04	1
13C3 PFHxS	116	cn	48 - 169			11/20/23 16:02	11/25/23 00:04	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 cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
NMeFOSAA	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorobutanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorodecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorododecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluoroheptanoic acid	10	cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorohexanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorohexanoic acid	10	cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorononanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorooctanesulfonic acid	3.7	cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorotetradecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluorotridecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Perfluoroundecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	103	cn	70 - 130			11/23/23 07:51	11/28/23 21:28	1
13C2 PFHxA	112	cn	70 - 130			11/23/23 07:51	11/28/23 21:28	1
d5-NEtFOSAA	96	cn	70 - 130			11/23/23 07:51	11/28/23 21:28	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	cn	18	ng/L		11/23/23 07:51	11/29/23 11:56	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFDA	89	cn	70 - 130			11/23/23 07:51	11/29/23 11:56	10
13C2 PFHxA	100	cn	70 - 130			11/23/23 07:51	11/29/23 11:56	10
d5-NEtFOSAA	91	cn	70 - 130			11/23/23 07:51	11/29/23 11:56	10

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-151716-2

Date Collected: 11/16/23 13:15

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:16	1
8:2 Fluorotelomer sulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:16	1
Perfluorobutanoic acid	5.6	cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:16	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:16	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:16	1
Perfluorooctanesulfonamide	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:16	1
Perfluoropentanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	94	cn	40 - 200	11/20/23 16:02	11/25/23 00:16	1
M2-8:2 FTS	105	cn	37 - 200	11/20/23 16:02	11/25/23 00:16	1
13C4 PFBA	55	cn	22 - 174	11/20/23 16:02	11/25/23 00:16	1
13C5 PFPeA	106	cn	33 - 196	11/20/23 16:02	11/25/23 00:16	1
13C8 PFOS	94	cn	59 - 155	11/20/23 16:02	11/25/23 00:16	1
13C8 FOSA	95	cn	10 - 155	11/20/23 16:02	11/25/23 00:16	1
13C3 PFHxS	103	cn	48 - 169	11/20/23 16:02	11/25/23 00:16	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		11/23/23 07:51	11/28/23 21:39	1
NMeFOSAA	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorobutanesulfonic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorodecanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorododecanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluoroheptanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorohexanesulfonic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorohexanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorononanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorooctanesulfonic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorooctanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorotetradecanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluorotridecanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1
Perfluoroundecanoic acid	1.8	U	1.8	ng/L		11/23/23 07:51	11/28/23 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	100		70 - 130	11/23/23 07:51	11/28/23 21:39	1
13C2 PFHxA	101		70 - 130	11/23/23 07:51	11/28/23 21:39	1
d5-NEtFOSAA	91		70 - 130	11/23/23 07:51	11/28/23 21:39	1

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-151716-3

Date Collected: 11/16/23 13:20

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.7	ng/L		11/20/23 16:02	11/25/23 00:41	1
8:2 Fluorotelomer sulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 00:41	1
Perfluorobutanoic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 00:41	1
Perfluorodecanesulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 00:41	1
Perfluoroheptanesulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 00:41	1
Perfluorooctanesulfonamide	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 00:41	1
Perfluoropentanoic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 00:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	98	cn	40 - 200	11/20/23 16:02	11/25/23 00:41	1
M2-8:2 FTS	111	cn	37 - 200	11/20/23 16:02	11/25/23 00:41	1
13C4 PFBA	73	cn	22 - 174	11/20/23 16:02	11/25/23 00:41	1
13C5 PFPeA	107	cn	33 - 196	11/20/23 16:02	11/25/23 00:41	1
13C8 PFOS	97	cn	59 - 155	11/20/23 16:02	11/25/23 00:41	1
13C8 FOSA	96	cn	10 - 155	11/20/23 16:02	11/25/23 00:41	1
13C3 PFHxS	104	cn	48 - 169	11/20/23 16:02	11/25/23 00:41	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 cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
NMeFOSAA	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorobutanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorodecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorododecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluoroheptanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorohexanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorohexanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorononanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorooctanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorooctanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorotetradecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluorotridecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1
Perfluoroundecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 21:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	101	cn	70 - 130	11/23/23 07:51	11/28/23 21:51	1
13C2 PFHxA	116	cn	70 - 130	11/23/23 07:51	11/28/23 21:51	1
d5-NEtFOSAA	92	cn	70 - 130	11/23/23 07:51	11/28/23 21:51	1

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: PV-02 25

Lab Sample ID: 410-151716-4

Date Collected: 11/16/23 13:30

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:54	1
8:2 Fluorotelomer sulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:54	1
Perfluorobutanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:54	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:54	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:54	1
Perfluorooctanesulfonamide	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:54	1
Perfluoropentanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 00:54	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	100	cn	40 - 200	11/20/23 16:02	11/25/23 00:54	1
M2-8:2 FTS	112	cn	37 - 200	11/20/23 16:02	11/25/23 00:54	1
13C4 PFBA	68	cn	22 - 174	11/20/23 16:02	11/25/23 00:54	1
13C5 PFPeA	110	cn	33 - 196	11/20/23 16:02	11/25/23 00:54	1
13C8 PFOS	96	cn	59 - 155	11/20/23 16:02	11/25/23 00:54	1
13C8 FOSA	99	cn	10 - 155	11/20/23 16:02	11/25/23 00:54	1
13C3 PFHxS	106	cn	48 - 169	11/20/23 16:02	11/25/23 00:54	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 cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
NMeFOSAA	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorobutanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorodecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorododecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluoroheptanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorohexanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorohexanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorononanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorooctanesulfonic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorooctanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorotetradecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluorotridecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1
Perfluoroundecanoic acid	1.8	U cn	1.8	ng/L		11/23/23 07:51	11/28/23 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	100	cn	70 - 130	11/23/23 07:51	11/28/23 22:02	1
13C2 PFHxA	101	cn	70 - 130	11/23/23 07:51	11/28/23 22:02	1
d5-NEtFOSAA	85	cn	70 - 130	11/23/23 07:51	11/28/23 22:02	1

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: PV-02 50

Lab Sample ID: 410-151716-5

Date Collected: 11/16/23 13:40

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:07	1
8:2 Fluorotelomer sulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:07	1
Perfluorobutanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:07	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:07	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:07	1
Perfluorooctanesulfonamide	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:07	1
Perfluoropentanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	107	cn	40 - 200	11/20/23 16:02	11/25/23 01:07	1
M2-8:2 FTS	127	cn	37 - 200	11/20/23 16:02	11/25/23 01:07	1
13C4 PFBA	95	cn	22 - 174	11/20/23 16:02	11/25/23 01:07	1
13C5 PFPeA	117	cn	33 - 196	11/20/23 16:02	11/25/23 01:07	1
13C8 PFOS	103	cn	59 - 155	11/20/23 16:02	11/25/23 01:07	1
13C8 FOSA	105	cn	10 - 155	11/20/23 16:02	11/25/23 01:07	1
13C3 PFHxS	120	cn	48 - 169	11/20/23 16:02	11/25/23 01:07	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 cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
NMeFOSAA	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorobutanesulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorodecanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorododecanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluoroheptanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorohexanesulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorohexanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorononanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorooctanesulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorooctanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorotetradecanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluorotridecanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1
Perfluoroundecanoic acid	1.7	U cn	1.7	ng/L		11/20/23 14:41	11/23/23 01:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	97	cn	70 - 130	11/20/23 14:41	11/23/23 01:35	1
13C2 PFHxA	103	cn	70 - 130	11/20/23 14:41	11/23/23 01:35	1
d5-NEtFOSAA	91	cn	70 - 130	11/20/23 14:41	11/23/23 01:35	1

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: PV-02 75

Lab Sample ID: 410-151716-6

Date Collected: 11/16/23 13:50

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.7	ng/L		11/20/23 16:02	11/25/23 01:19	1
8:2 Fluorotelomer sulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 01:19	1
Perfluorobutanoic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 01:19	1
Perfluorodecanesulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 01:19	1
Perfluoroheptanesulfonic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 01:19	1
Perfluorooctanesulfonamide	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 01:19	1
Perfluoropentanoic acid	1.7	U cn	1.7	ng/L		11/20/23 16:02	11/25/23 01:19	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	97	cn	40 - 200	11/20/23 16:02	11/25/23 01:19	1
M2-8:2 FTS	115	cn	37 - 200	11/20/23 16:02	11/25/23 01:19	1
13C4 PFBA	88	cn	22 - 174	11/20/23 16:02	11/25/23 01:19	1
13C5 PFPeA	105	cn	33 - 196	11/20/23 16:02	11/25/23 01:19	1
13C8 PFOS	94	cn	59 - 155	11/20/23 16:02	11/25/23 01:19	1
13C8 FOSA	98	cn	10 - 155	11/20/23 16:02	11/25/23 01:19	1
13C3 PFHxS	106	cn	48 - 169	11/20/23 16:02	11/25/23 01:19	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 cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
NMeFOSAA	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorobutanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorodecanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorododecanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluoroheptanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorohexanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorohexanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorononanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorooctanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorooctanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorotetradecanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluorotridecanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1
Perfluoroundecanoic acid	1.8	U cn	1.8	ng/L		11/20/23 14:41	11/23/23 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	94	cn	70 - 130	11/20/23 14:41	11/23/23 01:47	1
13C2 PFHxA	100	cn	70 - 130	11/20/23 14:41	11/23/23 01:47	1
d5-NEtFOSAA	92	cn	70 - 130	11/20/23 14:41	11/23/23 01:47	1

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: FTB01-231116

Lab Sample ID: 410-151716-7

Date Collected: 11/16/23 14:00

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:32	1
8:2 Fluorotelomer sulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:32	1
Perfluorobutanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:32	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:32	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:32	1
Perfluorooctanesulfonamide	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:32	1
Perfluoropentanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	106	cn	40 - 200	11/20/23 16:02	11/25/23 01:32	1
M2-8:2 FTS	122	cn	37 - 200	11/20/23 16:02	11/25/23 01:32	1
13C4 PFBA	97	cn	22 - 174	11/20/23 16:02	11/25/23 01:32	1
13C5 PFPeA	112	cn	33 - 196	11/20/23 16:02	11/25/23 01:32	1
13C8 PFOS	99	cn	59 - 155	11/20/23 16:02	11/25/23 01:32	1
13C8 FOSA	100	cn	10 - 155	11/20/23 16:02	11/25/23 01:32	1
13C3 PFHxS	113	cn	48 - 169	11/20/23 16:02	11/25/23 01:32	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		11/20/23 14:41	11/23/23 01:58	1
NMeFOSAA	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	93		70 - 130	11/20/23 14:41	11/23/23 01:58	1
13C2 PFHxA	101		70 - 130	11/20/23 14:41	11/23/23 01:58	1
d5-NEtFOSAA	97		70 - 130	11/20/23 14:41	11/23/23 01:58	1

Client Sample Results

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: LTB01-231116

Lab Sample ID: 410-151716-8

Date Collected: 11/16/23 00:00

Matrix: Water

Date Received: 11/17/23 09:57

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 cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:44	1
8:2 Fluorotelomer sulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:44	1
Perfluorobutanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:44	1
Perfluorodecanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:44	1
Perfluoroheptanesulfonic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:44	1
Perfluorooctanesulfonamide	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:44	1
Perfluoropentanoic acid	1.8	U cn	1.8	ng/L		11/20/23 16:02	11/25/23 01:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	99	cn	40 - 200	11/20/23 16:02	11/25/23 01:44	1
M2-8:2 FTS	121	cn	37 - 200	11/20/23 16:02	11/25/23 01:44	1
13C4 PFBA	91	cn	22 - 174	11/20/23 16:02	11/25/23 01:44	1
13C5 PFPeA	105	cn	33 - 196	11/20/23 16:02	11/25/23 01:44	1
13C8 PFOS	95	cn	59 - 155	11/20/23 16:02	11/25/23 01:44	1
13C8 FOSA	98	cn	10 - 155	11/20/23 16:02	11/25/23 01:44	1
13C3 PFHxS	106	cn	48 - 169	11/20/23 16:02	11/25/23 01:44	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		11/20/23 14:41	11/23/23 02:10	1
NMeFOSAA	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorobutanesulfonic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorodecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorododecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluoroheptanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorohexanesulfonic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorohexanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorononanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorooctanesulfonic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorooctanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorotetradecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluorotridecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1
Perfluoroundecanoic acid	1.7	U	1.7	ng/L		11/20/23 14:41	11/23/23 02:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	95		70 - 130	11/20/23 14:41	11/23/23 02:10	1
13C2 PFHxA	99		70 - 130	11/20/23 14:41	11/23/23 02:10	1
d5-NEtFOSAA	95		70 - 130	11/20/23 14:41	11/23/23 02:10	1

Surrogate Summary

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

Job ID: 410-151716-1
 SDG: HOO

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		PFDA (70-130)	PFHxA (70-130)	d5NEFOS (70-130)
410-151716-1	GAC INFLUENT	103 cn	112 cn	96 cn
410-151716-1 - DL	GAC INFLUENT	89 cn	100 cn	91 cn
410-151716-2	GAC MIDFLUENT	100	101	91
410-151716-3	GAC EFFLUENT	101 cn	116 cn	92 cn
410-151716-4	PV-02 25	100 cn	101 cn	85 cn
410-151716-5	PV-02 50	97 cn	103 cn	91 cn
410-151716-6	PV-02 75	94 cn	100 cn	92 cn
410-151716-7	FTB01-231116	93	101	97
410-151716-8	LTB01-231116	95	99	95
LCS 410-445581/2-A	Lab Control Sample	99	102	92
LCS 410-446650/2-A	Lab Control Sample	97	105	96
LCSD 410-445581/3-A	Lab Control Sample Dup	97	102	96
LCSD 410-446650/3-A	Lab Control Sample Dup	105	102	93
MB 410-445581/1-A	Method Blank	95	102	94
MB 410-446650/1-A	Method Blank	103	109	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: 410-151716-1
SDG: HOO

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)						
		M262FTS (40-200)	M282FTS (37-200)	PFBA (22-174)	PFPeA (33-196)	C8PFOS (59-155)	PFOSA (10-155)	C3PFHS (48-169)
410-151716-1	GAC INFLUENT	98 cn	114 cn	21 *5- cn	114 cn	96 cn	92 cn	116 cn
410-151716-2	GAC MIDFLUENT	94 cn	105 cn	55 cn	106 cn	94 cn	95 cn	103 cn
410-151716-3	GAC EFFLUENT	98 cn	111 cn	73 cn	107 cn	97 cn	96 cn	104 cn
410-151716-4	PV-02 25	100 cn	112 cn	68 cn	110 cn	96 cn	99 cn	106 cn
410-151716-5	PV-02 50	107 cn	127 cn	95 cn	117 cn	103 cn	105 cn	120 cn
410-151716-6	PV-02 75	97 cn	115 cn	88 cn	105 cn	94 cn	98 cn	106 cn
410-151716-7	FTB01-231116	106 cn	122 cn	97 cn	112 cn	99 cn	100 cn	113 cn
410-151716-8	LTB01-231116	99 cn	121 cn	91 cn	105 cn	95 cn	98 cn	106 cn
LCS 410-445612/2-A	Lab Control Sample	100	102	93	103	95	90	105
LCSD 410-445612/3-A	Lab Control Sample Dup	99	110	88	103	96	88	102
MB 410-445612/1-A	Method Blank	107	121	96	109	99	94	108

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

QC Sample Results

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

Job ID: 410-151716-1
SDG: HOO

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

Lab Sample ID: MB 410-445612/1-A
Matrix: Water
Analysis Batch: 446687

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445612

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
6:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		11/20/23 16:02	11/24/23 22:48	1
8:2 Fluorotelomer sulfonic acid	2.0	U	2.0	ng/L		11/20/23 16:02	11/24/23 22:48	1
Perfluorobutanoic acid	2.0	U	2.0	ng/L		11/20/23 16:02	11/24/23 22:48	1
Perfluorodecanesulfonic acid	2.0	U	2.0	ng/L		11/20/23 16:02	11/24/23 22:48	1
Perfluoroheptanesulfonic acid	2.0	U	2.0	ng/L		11/20/23 16:02	11/24/23 22:48	1
Perfluorooctanesulfonamide	2.0	U	2.0	ng/L		11/20/23 16:02	11/24/23 22:48	1
Perfluoropentanoic acid	2.0	U	2.0	ng/L		11/20/23 16:02	11/24/23 22:48	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
M2-6:2 FTS	107		40 - 200	11/20/23 16:02	11/24/23 22:48	1
M2-8:2 FTS	121		37 - 200	11/20/23 16:02	11/24/23 22:48	1
13C4 PFBA	96		22 - 174	11/20/23 16:02	11/24/23 22:48	1
13C5 PFPeA	109		33 - 196	11/20/23 16:02	11/24/23 22:48	1
13C8 PFOS	99		59 - 155	11/20/23 16:02	11/24/23 22:48	1
13C8 FOSA	94		10 - 155	11/20/23 16:02	11/24/23 22:48	1
13C3 PFHxS	108		48 - 169	11/20/23 16:02	11/24/23 22:48	1

Lab Sample ID: LCS 410-445612/2-A
Matrix: Water
Analysis Batch: 446687

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445612

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
8:2 Fluorotelomer sulfonic acid	24.5	19.1		ng/L		78	55 - 134
Perfluorobutanoic acid	25.6	21.8		ng/L		85	58 - 130
Perfluorodecanesulfonic acid	24.7	20.9		ng/L		85	55 - 130
Perfluoroheptanesulfonic acid	24.4	18.2		ng/L		75	59 - 130
Perfluorooctanesulfonamide	25.6	23.8		ng/L		93	67 - 132
Perfluoropentanoic acid	25.6	20.4		ng/L		80	60 - 130

Isotope Dilution	LCS	LCS	Limits
	%Recovery	Qualifier	
M2-6:2 FTS	100		40 - 200
M2-8:2 FTS	102		37 - 200
13C4 PFBA	93		22 - 174
13C5 PFPeA	103		33 - 196
13C8 PFOS	95		59 - 155
13C8 FOSA	90		10 - 155
13C3 PFHxS	105		48 - 169

Lab Sample ID: LCSD 410-445612/3-A
Matrix: Water
Analysis Batch: 446687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 445612

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
8:2 Fluorotelomer sulfonic acid	24.5	19.4		ng/L		79	55 - 134	2	30
Perfluorobutanoic acid	25.6	21.8		ng/L		85	58 - 130	0	30
Perfluorodecanesulfonic acid	24.7	21.0		ng/L		85	55 - 130	1	30
Perfluoroheptanesulfonic acid	24.4	18.7		ng/L		77	59 - 130	3	30

QC Sample Results

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

Job ID: 410-151716-1
SDG: HOO

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

Lab Sample ID: LCSD 410-445612/3-A
Matrix: Water
Analysis Batch: 446687

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 445612

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorooctanesulfonamide	25.6	23.5		ng/L		92	67 - 132	1	30
Perfluoropentanoic acid	25.6	19.8		ng/L		77	60 - 130	3	30

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	99		40 - 200
M2-8:2 FTS	110		37 - 200
13C4 PFBA	88		22 - 174
13C5 PFPeA	103		33 - 196
13C8 PFOS	96		59 - 155
13C8 FOSA	88		10 - 155
13C3 PFHxS	102		48 - 169

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

Lab Sample ID: MB 410-445581/1-A
Matrix: Water
Analysis Batch: 446473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 445581

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
NEtFOSAA	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
NMeFOSAA	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorodecanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorohexanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorononanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		11/20/23 14:41	11/23/23 00:37	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	95		70 - 130	11/20/23 14:41	11/23/23 00:37	1
13C2 PFHxA	102		70 - 130	11/20/23 14:41	11/23/23 00:37	1
d5-NEtFOSAA	94		70 - 130	11/20/23 14:41	11/23/23 00:37	1

Lab Sample ID: LCS 410-445581/2-A
Matrix: Water
Analysis Batch: 446473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 445581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	20.5	17.9		ng/L		88	70 - 130
NMeFOSAA	20.5	17.8		ng/L		87	70 - 130
Perfluorobutanesulfonic acid	18.1	17.1		ng/L		95	70 - 130
Perfluorodecanoic acid	20.5	19.6		ng/L		96	70 - 130
Perfluorododecanoic acid	20.5	20.1		ng/L		98	70 - 130

QC Sample Results

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

Job ID: 410-151716-1
SDG: HOO

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

Lab Sample ID: LCS 410-445581/2-A

Matrix: Water

Analysis Batch: 446473

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 445581

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				
Perfluoroheptanoic acid	20.5	20.2		ng/L		98	70 - 130
Perfluorohexanesulfonic acid	18.7	17.4		ng/L		93	70 - 130
Perfluorohexanoic acid	20.5	20.3		ng/L		99	70 - 130
Perfluorononanoic acid	20.5	21.4		ng/L		104	70 - 130
Perfluorooctanesulfonic acid	19.0	17.8		ng/L		94	70 - 130
Perfluorooctanoic acid	20.5	20.8		ng/L		101	70 - 130
Perfluorotetradecanoic acid	20.5	22.2		ng/L		109	70 - 130
Perfluorotridecanoic acid	20.5	20.5		ng/L		100	70 - 130
Perfluoroundecanoic acid	20.5	20.5		ng/L		100	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
13C2 PFDA	99		70 - 130
13C2 PFHxA	102		70 - 130
d5-NEtFOSAA	92		70 - 130

Lab Sample ID: LCSD 410-445581/3-A

Matrix: Water

Analysis Batch: 446473

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 445581

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
	Added	Result	Qualifier						
NEtFOSAA	20.5	20.7		ng/L		101	70 - 130	14	30
NMeFOSAA	20.5	19.4		ng/L		95	70 - 130	9	30
Perfluorobutanesulfonic acid	18.1	17.5		ng/L		96	70 - 130	2	30
Perfluorodecanoic acid	20.5	20.6		ng/L		101	70 - 130	5	30
Perfluorododecanoic acid	20.5	21.2		ng/L		104	70 - 130	5	30
Perfluoroheptanoic acid	20.5	21.4		ng/L		105	70 - 130	6	30
Perfluorohexanesulfonic acid	18.7	17.7		ng/L		95	70 - 130	2	30
Perfluorohexanoic acid	20.5	20.8		ng/L		102	70 - 130	3	30
Perfluorononanoic acid	20.5	22.2		ng/L		108	70 - 130	4	30
Perfluorooctanesulfonic acid	19.0	17.8		ng/L		94	70 - 130	0	30
Perfluorooctanoic acid	20.5	21.3		ng/L		104	70 - 130	2	30
Perfluorotetradecanoic acid	20.5	23.5		ng/L		115	70 - 130	6	30
Perfluorotridecanoic acid	20.5	20.7		ng/L		101	70 - 130	1	30
Perfluoroundecanoic acid	20.5	21.2		ng/L		104	70 - 130	3	30

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
13C2 PFDA	97		70 - 130
13C2 PFHxA	102		70 - 130
d5-NEtFOSAA	96		70 - 130

Lab Sample ID: MB 410-446650/1-A

Matrix: Water

Analysis Batch: 447688

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 446650

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil
	Result	Qualifier						
NEtFOSAA	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
NMeFOSAA	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1

QC Sample Results

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

Job ID: 410-151716-1
SDG: HOO

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

Lab Sample ID: MB 410-446650/1-A

Matrix: Water

Analysis Batch: 447688

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 446650

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Perfluorodecanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorohexanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorononanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		11/23/23 07:51	11/28/23 20:42	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	103		70 - 130	11/23/23 07:51	11/28/23 20:42	1
13C2 PFHxA	109		70 - 130	11/23/23 07:51	11/28/23 20:42	1
d5-NEtFOSAA	96		70 - 130	11/23/23 07:51	11/28/23 20:42	1

Lab Sample ID: LCS 410-446650/2-A

Matrix: Water

Analysis Batch: 447688

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 446650

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
NMeFOSAA	60.0	55.2		ng/L		92	70 - 130
Perfluorobutanesulfonic acid	53.1	50.7		ng/L		95	70 - 130
Perfluorodecanoic acid	60.0	58.5		ng/L		98	70 - 130
Perfluorododecanoic acid	60.0	54.0		ng/L		90	70 - 130
Perfluoroheptanoic acid	60.0	62.1		ng/L		103	70 - 130
Perfluorohexanesulfonic acid	54.7	57.9		ng/L		106	70 - 130
Perfluorohexanoic acid	60.0	59.7		ng/L		100	70 - 130
Perfluorononanoic acid	60.0	62.4		ng/L		104	70 - 130
Perfluorooctanesulfonic acid	55.5	54.9		ng/L		99	70 - 130
Perfluorooctanoic acid	60.0	59.6		ng/L		99	70 - 130
Perfluorotetradecanoic acid	60.0	57.3		ng/L		96	70 - 130
Perfluorotridecanoic acid	60.0	54.4		ng/L		91	70 - 130
Perfluoroundecanoic acid	60.0	56.6		ng/L		94	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	97		70 - 130
13C2 PFHxA	105		70 - 130
d5-NEtFOSAA	96		70 - 130

Lab Sample ID: LCSD 410-446650/3-A

Matrix: Water

Analysis Batch: 447688

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 446650

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
NEtFOSAA	60.0	56.1		ng/L		93	70 - 130	3	30

QC Sample Results

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

Job ID: 410-151716-1
SDG: HOO

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

Lab Sample ID: LCSD 410-446650/3-A

Matrix: Water

Analysis Batch: 447688

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 446650

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	%Rec		RPD	RPD
	Added	Result	Qualifier				Limits	RPD	Limit	
NMeFOSAA	60.0	51.3		ng/L		85	70 - 130	7	30	
Perfluorobutanesulfonic acid	53.1	49.0		ng/L		92	70 - 130	3	30	
Perfluorodecanoic acid	60.0	61.2		ng/L		102	70 - 130	4	30	
Perfluorododecanoic acid	60.0	53.7		ng/L		90	70 - 130	1	30	
Perfluoroheptanoic acid	60.0	61.0		ng/L		102	70 - 130	2	30	
Perfluorohexanesulfonic acid	54.7	55.2		ng/L		101	70 - 130	5	30	
Perfluorohexanoic acid	60.0	60.0		ng/L		100	70 - 130	0	30	
Perfluorononanoic acid	60.0	63.0		ng/L		105	70 - 130	1	30	
Perfluorooctanesulfonic acid	55.5	53.0		ng/L		95	70 - 130	4	30	
Perfluorooctanoic acid	60.0	59.4		ng/L		99	70 - 130	0	30	
Perfluorotetradecanoic acid	60.0	58.3		ng/L		97	70 - 130	2	30	
Perfluorotridecanoic acid	60.0	52.8		ng/L		88	70 - 130	3	30	
Perfluoroundecanoic acid	60.0	57.6		ng/L		96	70 - 130	2	30	

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
13C2 PFDA	105		70 - 130
13C2 PFHxA	102		70 - 130
d5-NEtFOSAA	93		70 - 130

QC Association Summary

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

Job ID: 410-151716-1
SDG: HOO

LCMS

Prep Batch: 445581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-5	PV-02 50	Total/NA	Water	537.1 DW Prep	
410-151716-6	PV-02 75	Total/NA	Water	537.1 DW Prep	
410-151716-7	FTB01-231116	Total/NA	Water	537.1 DW Prep	
410-151716-8	LTB01-231116	Total/NA	Water	537.1 DW Prep	
MB 410-445581/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-445581/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	
LCSD 410-445581/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW Prep	

Prep Batch: 445612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-1	GAC INFLUENT	Total/NA	Water	SPE	
410-151716-2	GAC MIDFLUENT	Total/NA	Water	SPE	
410-151716-3	GAC EFFLUENT	Total/NA	Water	SPE	
410-151716-4	PV-02 25	Total/NA	Water	SPE	
410-151716-5	PV-02 50	Total/NA	Water	SPE	
410-151716-6	PV-02 75	Total/NA	Water	SPE	
410-151716-7	FTB01-231116	Total/NA	Water	SPE	
410-151716-8	LTB01-231116	Total/NA	Water	SPE	
MB 410-445612/1-A	Method Blank	Total/NA	Water	SPE	
LCS 410-445612/2-A	Lab Control Sample	Total/NA	Water	SPE	
LCSD 410-445612/3-A	Lab Control Sample Dup	Total/NA	Water	SPE	

Analysis Batch: 446473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-5	PV-02 50	Total/NA	Water	EPA 537.1	445581
410-151716-6	PV-02 75	Total/NA	Water	EPA 537.1	445581
410-151716-7	FTB01-231116	Total/NA	Water	EPA 537.1	445581
410-151716-8	LTB01-231116	Total/NA	Water	EPA 537.1	445581
MB 410-445581/1-A	Method Blank	Total/NA	Water	EPA 537.1	445581
LCS 410-445581/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	445581
LCSD 410-445581/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537.1	445581

Prep Batch: 446650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-1 - DL	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-151716-1	GAC INFLUENT	Total/NA	Water	537.1 DW Prep	
410-151716-2	GAC MIDFLUENT	Total/NA	Water	537.1 DW Prep	
410-151716-3	GAC EFFLUENT	Total/NA	Water	537.1 DW Prep	
410-151716-4	PV-02 25	Total/NA	Water	537.1 DW Prep	
MB 410-446650/1-A	Method Blank	Total/NA	Water	537.1 DW Prep	
LCS 410-446650/2-A	Lab Control Sample	Total/NA	Water	537.1 DW Prep	
LCSD 410-446650/3-A	Lab Control Sample Dup	Total/NA	Water	537.1 DW Prep	

Analysis Batch: 446687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-1	GAC INFLUENT	Total/NA	Water	537 (Mod)	445612
410-151716-2	GAC MIDFLUENT	Total/NA	Water	537 (Mod)	445612
410-151716-3	GAC EFFLUENT	Total/NA	Water	537 (Mod)	445612
410-151716-4	PV-02 25	Total/NA	Water	537 (Mod)	445612
410-151716-5	PV-02 50	Total/NA	Water	537 (Mod)	445612
410-151716-6	PV-02 75	Total/NA	Water	537 (Mod)	445612

QC Association Summary

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

Job ID: 410-151716-1
SDG: HOO

LCMS (Continued)

Analysis Batch: 446687 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-7	FTB01-231116	Total/NA	Water	537 (Mod)	445612
410-151716-8	LTB01-231116	Total/NA	Water	537 (Mod)	445612
MB 410-445612/1-A	Method Blank	Total/NA	Water	537 (Mod)	445612
LCS 410-445612/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	445612
LCSD 410-445612/3-A	Lab Control Sample Dup	Total/NA	Water	537 (Mod)	445612

Analysis Batch: 447688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-1	GAC INFLUENT	Total/NA	Water	EPA 537.1	446650
410-151716-2	GAC MIDFLUENT	Total/NA	Water	EPA 537.1	446650
410-151716-3	GAC EFFLUENT	Total/NA	Water	EPA 537.1	446650
410-151716-4	PV-02 25	Total/NA	Water	EPA 537.1	446650
MB 410-446650/1-A	Method Blank	Total/NA	Water	EPA 537.1	446650
LCS 410-446650/2-A	Lab Control Sample	Total/NA	Water	EPA 537.1	446650
LCSD 410-446650/3-A	Lab Control Sample Dup	Total/NA	Water	EPA 537.1	446650

Analysis Batch: 448024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-151716-1 - DL	GAC INFLUENT	Total/NA	Water	EPA 537.1	446650

Lab Chronicle

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

Job ID: 410-151716-1
SDG: HOO

Client Sample ID: GAC INFLUENT

Lab Sample ID: 410-151716-1

Date Collected: 11/16/23 13:10

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 00:04
Total/NA	Prep	537.1 DW Prep			446650	WW2J	ELLE	11/23/23 07:51
Total/NA	Analysis	EPA 537.1		1	447688	DCS9	ELLE	11/28/23 21:28
Total/NA	Prep	537.1 DW Prep	DL		446650	WW2J	ELLE	11/23/23 07:51
Total/NA	Analysis	EPA 537.1	DL	10	448024	DCS9	ELLE	11/29/23 11:56

Client Sample ID: GAC MIDFLUENT

Lab Sample ID: 410-151716-2

Date Collected: 11/16/23 13:15

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 00:16
Total/NA	Prep	537.1 DW Prep			446650	WW2J	ELLE	11/23/23 07:51
Total/NA	Analysis	EPA 537.1		1	447688	DCS9	ELLE	11/28/23 21:39

Client Sample ID: GAC EFFLUENT

Lab Sample ID: 410-151716-3

Date Collected: 11/16/23 13:20

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 00:41
Total/NA	Prep	537.1 DW Prep			446650	WW2J	ELLE	11/23/23 07:51
Total/NA	Analysis	EPA 537.1		1	447688	DCS9	ELLE	11/28/23 21:51

Client Sample ID: PV-02 25

Lab Sample ID: 410-151716-4

Date Collected: 11/16/23 13:30

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 00:54
Total/NA	Prep	537.1 DW Prep			446650	WW2J	ELLE	11/23/23 07:51
Total/NA	Analysis	EPA 537.1		1	447688	DCS9	ELLE	11/28/23 22:02

Client Sample ID: PV-02 50

Lab Sample ID: 410-151716-5

Date Collected: 11/16/23 13:40

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 01:07
Total/NA	Prep	537.1 DW Prep			445581	K6GF	ELLE	11/20/23 14:41
Total/NA	Analysis	EPA 537.1		1	446473	DCS9	ELLE	11/23/23 01:35

Lab Chronicle

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

Job ID: 410-151716-1
 SDG: HOO

Client Sample ID: PV-02 75

Lab Sample ID: 410-151716-6

Date Collected: 11/16/23 13:50

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 01:19
Total/NA	Prep	537.1 DW Prep			445581	K6GF	ELLE	11/20/23 14:41
Total/NA	Analysis	EPA 537.1		1	446473	DCS9	ELLE	11/23/23 01:47

Client Sample ID: FTB01-231116

Lab Sample ID: 410-151716-7

Date Collected: 11/16/23 14:00

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 01:32
Total/NA	Prep	537.1 DW Prep			445581	K6GF	ELLE	11/20/23 14:41
Total/NA	Analysis	EPA 537.1		1	446473	DCS9	ELLE	11/23/23 01:58

Client Sample ID: LTB01-231116

Lab Sample ID: 410-151716-8

Date Collected: 11/16/23 00:00

Matrix: Water

Date Received: 11/17/23 09:57

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SPE			445612	HAT6	ELLE	11/20/23 16:02
Total/NA	Analysis	537 (Mod)		1	446687	DS2G	ELLE	11/25/23 01:44
Total/NA	Prep	537.1 DW Prep			445581	K6GF	ELLE	11/20/23 14:41
Total/NA	Analysis	EPA 537.1		1	446473	DCS9	ELLE	11/23/23 02:10

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: 410-151716-1
 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: 410-151716-1
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: 410-151716-1
SDG: HOO

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-151716-1	GAC INFLUENT	Water	11/16/23 13:10	11/17/23 09:57
410-151716-2	GAC MIDFLUENT	Water	11/16/23 13:15	11/17/23 09:57
410-151716-3	GAC EFFLUENT	Water	11/16/23 13:20	11/17/23 09:57
410-151716-4	PV-02 25	Water	11/16/23 13:30	11/17/23 09:57
410-151716-5	PV-02 50	Water	11/16/23 13:40	11/17/23 09:57
410-151716-6	PV-02 75	Water	11/16/23 13:50	11/17/23 09:57
410-151716-7	FTB01-231116	Water	11/16/23 14:00	11/17/23 09:57
410-151716-8	LTB01-231116	Water	11/16/23 00:00	11/17/23 09:57

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16



LLC

Chain of Custody Record

410-151716 Chain of Custody

Client Contact: Kirk Moline		Sampler: <i>Carter Benoit</i>		Lab PM: Hobart, Paul		Carrier Tracking No(s):		COC No:	
Company: C. T. Male Associates DPC		Phone: (518)786-7400		E-Mail: Paul.Hobart@et.eurofins.com		State of Origin: <i>NY</i>		Page: 1 of 1	
Address: 50 Century Hill Dr		City: Latham		State, Zip: NY, 12110		Due Date Requested:		Analysis Requested	
City: Latham		TAT Requested (days): Standard		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		PO #: 14.4756		Job #:	
Phone: (518)786-7400		WO #:		Project #:		SSOW#:		Preservation Codes:	
Email: k.moline@ctmale.com		Project Name: Hoosick Falls WTP		Site: Hoosick Falls		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
Project Name: Hoosick Falls WTP		Site: Hoosick Falls		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Total Number of containers	
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Special Instructions/Note:	
						Preservation Code:			
<i>GAC INFLUENT</i>		<i>11/16/23</i>		<i>13:16</i>		<i>G Water</i>		<i>8 QA/QC Here</i>	
<i>GAC MIDFLUENT</i>				<i>13:15</i>					
<i>GAC EFFLUENT</i>				<i>13:20</i>					
<i>PV-02 25</i>				<i>13:30</i>					
<i>PV-02 50</i>				<i>13:46</i>					
<i>PV-02 75</i>				<i>13:50</i>					
<i>FB01-231116</i>				<i>14:00</i>					
<i>LT01-231116</i>									
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify) <i>EQV2S 2 PPLE ASP-B</i>		Special Instructions/QC Requirements:							
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: <i>Carter Benoit</i>		Date/Time: <i>11/16/2023 16:25</i>		Company: <i>CTM</i>		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by: <i>[Signature]</i>		Date/Time: <i>11/16/23 19:57</i>	
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>P: 1.1 C: 1.1</i>					

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-151716-1

SDG Number: HOO

Login Number: 151716

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Reiff, Nicole L

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	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

