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ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-40418-1
Client Project/Site: Hoosick Falls WTP

For:
CT Male Associates DPC
50 Century Hill Dr
Latham, New York 12110

Attn: Mr. Kirk Moline

Authorized for release by:
5/27/2021 12:07:19 AM

Paul Hobart, Project Manager
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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.

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Paul Hobart
Project Manager
5/27/2021 12:07:19 AM

Table of Contents

Definitions/Glossary

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

Job ID: 410-40418-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 410-40418-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-40418-1

Receipt
The samples were received on 5/19/2021 10:55 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 1.3°C

LCMS
Method PFC_IDA: The labeled isotope recovery is outside of the QC acceptance limits in the method blank and Laboratory Control Spike associated with the following samples: GAC Influent (410-40418-1). Since the recoveries are biased high, the associated target analytes are not detected in the associated method blank, and the recovery for associated target analytes is within the QC limits in the associated Laboratory Control Spike, the data is reported.

Method PFC_IDA: The labeled isotope recovery is outside of the QC acceptance limits in the following sample: GAC Influent (410-40418-1). Since the recovery is biased high, the associated target analytes are not detected, and the labeled isotope recovery is also outside of the QC limits in the associated matrix spike and matrix spike duplicate, the data is reported.

Method PFC_IDA: The labeled isotope recovery is outside of the QC acceptance limits in the following samples: GAC Effluent (410-40418-3), PV-1_50 (410-40418-4), PV-2_50 (410-40418-5), FTB01-210518 (410-40418-6) and LTB01-210518 (410-40418-7). Since the recovery is biased high and the associated target analytes are not detected in the sample, the data is reported.

Method PFC_IDA: The labeled isotope recovery is outside of the QC acceptance limits in the method blank and Laboratory Control Spike associated with the following samples: GAC Effluent (410-40418-3), PV-1_50 (410-40418-4), PV-2_50 (410-40418-5), FTB01-210518 (410-40418-6) and LTB01-210518 (410-40418-7). Since the recovery is biased high, the associated target analytes were not detected in the method blank, and the recovery for associated target analytes in the Laboratory Control Spike were within the QC acceptance limits, 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: 410-40418-1

Client Sample ID: GAC Influent — Lab Sample ID: 410-40418-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide	4.1		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluoropentanoic acid	2.2		1.8		ng/L	1		537 (Mod)	Total/NA
Perfluorohexanoic acid	9.6		1.7		ng/L	1		537 DW	Total/NA
Perfluoroheptanoic acid	12		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanesulfonic acid	3.3		1.7		ng/L	1		537 DW	Total/NA
Perfluorooctanoic acid - DL	460		17		ng/L	10		537 DW	Total/NA

Client Sample ID: GAC Midfluent — Lab Sample ID: 410-40418-2

No Detections.

Client Sample ID: GAC Effluent — Lab Sample ID: 410-40418-3

No Detections.

Client Sample ID: PV-1_50 — Lab Sample ID: 410-40418-4

No Detections.

Client Sample ID: PV-2_50 — Lab Sample ID: 410-40418-5

No Detections.

Client Sample ID: FTB01-210518 — Lab Sample ID: 410-40418-6

No Detections.

Client Sample ID: LTB01-210518 — Lab Sample ID: 410-40418-7

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-40418-1

Client Sample ID: GAC Influent

Date Collected: 05/18/21 09:25
Date Received: 05/19/21 10:55

Lab Sample ID: 410-40418-1

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.4	U	4.4		ng/L		05/24/21 08:38	05/25/21 05:46	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		05/24/21 08:38	05/25/21 05:46	1
Perfluorobutanoic acid	4.4	U	4.4		ng/L		05/24/21 08:38	05/25/21 05:46	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		05/24/21 08:38	05/25/21 05:46	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		05/24/21 08:38	05/25/21 05:46	1
Perfluorooctanesulfonamide	**4.1**		1.8		ng/L		05/24/21 08:38	05/25/21 05:46	1
Perfluoropentanoic acid	**2.2**		1.8		ng/L		05/24/21 08:38	05/25/21 05:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*162*		*29 - 189*	*05/24/21 08:38*	*05/25/21 05:46*	*1*
M2-8:2 FTS	*152*		*34 - 182*	*05/24/21 08:38*	*05/25/21 05:46*	*1*
13C4 PFBA	*133*	*5+	*41 - 132*	*05/24/21 08:38*	*05/25/21 05:46*	*1*
13C5 PFPeA	*141*		*33 - 155*	*05/24/21 08:38*	*05/25/21 05:46*	*1*
13C8 PFOS	*141*	*5+	*49 - 126*	*05/24/21 08:38*	*05/25/21 05:46*	*1*
13C8 FOSA	*104*		*10 - 143*	*05/24/21 08:38*	*05/25/21 05:46*	*1*
13C3 PFHxS	*158*	*5+	*32 - 145*	*05/24/21 08:38*	*05/25/21 05:46*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**9.6**		1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluoroheptanoic acid	**12**		1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorooctanesulfonic acid	**3.3**		1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
NEtFOSAA	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
NMeFOSAA	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*83*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:09*	*1*
13C2 PFDA	*121*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:09*	*1*
13C2 PFHxA	*112*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:09*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	**460**		17		ng/L		05/21/21 08:37	05/24/21 10:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*05/21/21 08:37*	*05/24/21 10:48*	*10*
13C2 PFDA	*100*		*70 - 130*	*05/21/21 08:37*	*05/24/21 10:48*	*10*
13C2 PFHxA	*106*		*70 - 130*	*05/21/21 08:37*	*05/24/21 10:48*	*10*

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

Job ID: 410-40418-1

Client Sample ID: GAC Midfluent
Date Collected: 05/18/21 09:35
Date Received: 05/19/21 10:55

Lab Sample ID: 410-40418-2
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		05/24/21 17:25	05/26/21 14:29	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		05/24/21 17:25	05/26/21 14:29	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		05/24/21 17:25	05/26/21 14:29	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 17:25	05/26/21 14:29	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 17:25	05/26/21 14:29	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		05/24/21 17:25	05/26/21 14:29	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		05/24/21 17:25	05/26/21 14:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*125*		*29 - 189*	*05/24/21 17:25*	*05/26/21 14:29*	*1*
M2-8:2 FTS	*119*		*34 - 182*	*05/24/21 17:25*	*05/26/21 14:29*	*1*
13C4 PFBA	*94*		*41 - 132*	*05/24/21 17:25*	*05/26/21 14:29*	*1*
13C5 PFPeA	*89*		*33 - 155*	*05/24/21 17:25*	*05/26/21 14:29*	*1*
13C8 PFOS	*96*		*49 - 126*	*05/24/21 17:25*	*05/26/21 14:29*	*1*
13C8 FOSA	*78*		*10 - 143*	*05/24/21 17:25*	*05/26/21 14:29*	*1*
13C3 PFHxS	*81*		*32 - 145*	*05/24/21 17:25*	*05/26/21 14:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
NEtFOSAA	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
NMeFOSAA	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*95*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:44*	*1*
13C2 PFDA	*99*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:44*	*1*
13C2 PFHxA	*94*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:44*	*1*

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

Job ID: 410-40418-1

Client Sample ID: GAC Effluent

Date Collected: 05/18/21 09:38
Date Received: 05/19/21 10:55

Lab Sample ID: 410-40418-3

Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		05/24/21 07:51	05/26/21 05:18	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		05/24/21 07:51	05/26/21 05:18	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		05/24/21 07:51	05/26/21 05:18	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:18	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:18	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:18	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*156*		*29 - 189*	*05/24/21 07:51*	*05/26/21 05:18*	*1*
M2-8:2 FTS	*161*		*34 - 182*	*05/24/21 07:51*	*05/26/21 05:18*	*1*
13C4 PFBA	*129*		*41 - 132*	*05/24/21 07:51*	*05/26/21 05:18*	*1*
13C5 PFPeA	*136*		*33 - 155*	*05/24/21 07:51*	*05/26/21 05:18*	*1*
13C8 PFOS	*129*	*5+	*49 - 126*	*05/24/21 07:51*	*05/26/21 05:18*	*1*
13C8 FOSA	*83*		*10 - 143*	*05/24/21 07:51*	*05/26/21 05:18*	*1*
13C3 PFHxS	*138*		*32 - 145*	*05/24/21 07:51*	*05/26/21 05:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
NEtFOSAA	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
NMeFOSAA	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:55*	*1*
13C2 PFDA	*98*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:55*	*1*
13C2 PFHxA	*99*		*70 - 130*	*05/21/21 08:37*	*05/23/21 22:55*	*1*

Client Sample ID: PV-1_50
Date Collected: 05/18/21 09:41
Date Received: 05/19/21 10:55

Lab Sample ID: 410-40418-4
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		05/24/21 07:51	05/26/21 05:29	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		05/24/21 07:51	05/26/21 05:29	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		05/24/21 07:51	05/26/21 05:29	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:29	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:29	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:29	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*164*		*29 - 189*	*05/24/21 07:51*	*05/26/21 05:29*	*1*
M2-8:2 FTS	*148*		*34 - 182*	*05/24/21 07:51*	*05/26/21 05:29*	*1*
13C4 PFBA	*133*	**5+*	*41 - 132*	*05/24/21 07:51*	*05/26/21 05:29*	*1*
13C5 PFPeA	*138*		*33 - 155*	*05/24/21 07:51*	*05/26/21 05:29*	*1*
13C8 PFOS	*139*	**5+*	*49 - 126*	*05/24/21 07:51*	*05/26/21 05:29*	*1*
13C8 FOSA	*91*		*10 - 143*	*05/24/21 07:51*	*05/26/21 05:29*	*1*
13C3 PFHxS	*141*		*32 - 145*	*05/24/21 07:51*	*05/26/21 05:29*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluoroheptanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorooctanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorononanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorodecanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorotridecanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorotetradecanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorobutanesulfonic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorohexanesulfonic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorooctanesulfonic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
NEtFOSAA	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
NMeFOSAA	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluoroundecanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1
Perfluorododecanoic acid	1.6	U	1.6		ng/L		05/21/21 08:37	05/23/21 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*87*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:07*	*1*
13C2 PFDA	*102*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:07*	*1*
13C2 PFHxA	*102*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:07*	*1*

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

Job ID: 410-40418-1

Client Sample ID: PV-2_50
Date Collected: 05/18/21 09:45
Date Received: 05/19/21 10:55

Lab Sample ID: 410-40418-5
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.3	U	4.3		ng/L		05/24/21 07:51	05/26/21 05:40	1
8:2 Fluorotelomer sulfonic acid	2.6	U	2.6		ng/L		05/24/21 07:51	05/26/21 05:40	1
Perfluorobutanoic acid	4.3	U	4.3		ng/L		05/24/21 07:51	05/26/21 05:40	1
Perfluorodecanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:40	1
Perfluoroheptanesulfonic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:40	1
Perfluorooctanesulfonamide	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:40	1
Perfluoropentanoic acid	1.7	U	1.7		ng/L		05/24/21 07:51	05/26/21 05:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*161*		*29 - 189*	*05/24/21 07:51*	*05/26/21 05:40*	*1*
M2-8:2 FTS	*158*		*34 - 182*	*05/24/21 07:51*	*05/26/21 05:40*	*1*
13C4 PFBA	*128*		*41 - 132*	*05/24/21 07:51*	*05/26/21 05:40*	*1*
13C5 PFPeA	*140*		*33 - 155*	*05/24/21 07:51*	*05/26/21 05:40*	*1*
13C8 PFOS	*133*	*5+	*49 - 126*	*05/24/21 07:51*	*05/26/21 05:40*	*1*
13C8 FOSA	*84*		*10 - 143*	*05/24/21 07:51*	*05/26/21 05:40*	*1*
13C3 PFHxS	*136*		*32 - 145*	*05/24/21 07:51*	*05/26/21 05:40*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluoroheptanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorooctanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorononanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorodecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorotridecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorotetradecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorobutanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorohexanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorooctanesulfonic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
NEtFOSAA	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
NMeFOSAA	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluoroundecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1
Perfluorododecanoic acid	1.7	U	1.7		ng/L		05/21/21 08:37	05/23/21 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*101*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:18*	*1*
13C2 PFDA	*100*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:18*	*1*
13C2 PFHxA	*97*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:18*	*1*

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

Job ID: 410-40418-1

Client Sample ID: FTB01-210518
Date Collected: 05/18/21 09:50
Date Received: 05/19/21 10:55

Lab Sample ID: 410-40418-6
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.5	U	4.5		ng/L		05/24/21 07:51	05/26/21 06:02	1
8:2 Fluorotelomer sulfonic acid	2.7	U	2.7		ng/L		05/24/21 07:51	05/26/21 06:02	1
Perfluorobutanoic acid	4.5	U	4.5		ng/L		05/24/21 07:51	05/26/21 06:02	1
Perfluorodecanesulfonic acid	1.8	U	1.8		ng/L		05/24/21 07:51	05/26/21 06:02	1
Perfluoroheptanesulfonic acid	1.8	U	1.8		ng/L		05/24/21 07:51	05/26/21 06:02	1
Perfluorooctanesulfonamide	1.8	U	1.8		ng/L		05/24/21 07:51	05/26/21 06:02	1
Perfluoropentanoic acid	1.8	U	1.8		ng/L		05/24/21 07:51	05/26/21 06:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*157*		*29 - 189*	*05/24/21 07:51*	*05/26/21 06:02*	*1*
M2-8:2 FTS	*154*		*34 - 182*	*05/24/21 07:51*	*05/26/21 06:02*	*1*
13C4 PFBA	*113*		*41 - 132*	*05/24/21 07:51*	*05/26/21 06:02*	*1*
13C5 PFPeA	*116*		*33 - 155*	*05/24/21 07:51*	*05/26/21 06:02*	*1*
13C8 PFOS	*131*	*5+	*49 - 126*	*05/24/21 07:51*	*05/26/21 06:02*	*1*
13C8 FOSA	*81*		*10 - 143*	*05/24/21 07:51*	*05/26/21 06:02*	*1*
13C3 PFHxS	*130*		*32 - 145*	*05/24/21 07:51*	*05/26/21 06:02*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluoroheptanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorooctanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorononanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorodecanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorotridecanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorotetradecanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorobutanesulfonic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorohexanesulfonic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorooctanesulfonic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
NEtFOSAA	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
NMeFOSAA	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluoroundecanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1
Perfluorododecanoic acid	1.9	U	1.9		ng/L		05/21/21 08:37	05/23/21 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*98*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:30*	*1*
13C2 PFDA	*106*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:30*	*1*
13C2 PFHxA	*101*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:30*	*1*

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

Job ID: 410-40418-1

Client Sample ID: LTB01-210518
Date Collected: 05/18/21 00:00
Date Received: 05/19/21 10:55

Lab Sample ID: 410-40418-7
Matrix: Water

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	4.7	U	4.7		ng/L		05/24/21 07:51	05/26/21 06:14	1
8:2 Fluorotelomer sulfonic acid	2.8	U	2.8		ng/L		05/24/21 07:51	05/26/21 06:14	1
Perfluorobutanoic acid	4.7	U	4.7		ng/L		05/24/21 07:51	05/26/21 06:14	1
Perfluorodecanesulfonic acid	1.9	U	1.9		ng/L		05/24/21 07:51	05/26/21 06:14	1
Perfluoroheptanesulfonic acid	1.9	U	1.9		ng/L		05/24/21 07:51	05/26/21 06:14	1
Perfluorooctanesulfonamide	1.9	U	1.9		ng/L		05/24/21 07:51	05/26/21 06:14	1
Perfluoropentanoic acid	1.9	U	1.9		ng/L		05/24/21 07:51	05/26/21 06:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*173*		*29 - 189*	*05/24/21 07:51*	*05/26/21 06:14*	*1*
M2-8:2 FTS	*162*		*34 - 182*	*05/24/21 07:51*	*05/26/21 06:14*	*1*
13C4 PFBA	*125*		*41 - 132*	*05/24/21 07:51*	*05/26/21 06:14*	*1*
13C5 PFPeA	*126*		*33 - 155*	*05/24/21 07:51*	*05/26/21 06:14*	*1*
13C8 PFOS	*131*	*5+	*49 - 126*	*05/24/21 07:51*	*05/26/21 06:14*	*1*
13C8 FOSA	*95*		*10 - 143*	*05/24/21 07:51*	*05/26/21 06:14*	*1*
13C3 PFHxS	*133*		*32 - 145*	*05/24/21 07:51*	*05/26/21 06:14*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluoroheptanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorooctanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorononanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorodecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorotridecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorotetradecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorobutanesulfonic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorohexanesulfonic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorooctanesulfonic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
NEtFOSAA	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
NMeFOSAA	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluoroundecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1
Perfluorododecanoic acid	1.8	U	1.8		ng/L		05/21/21 08:37	05/23/21 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*85*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:53*	*1*
13C2 PFDA	*104*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:53*	*1*
13C2 PFHxA	*104*		*70 - 130*	*05/21/21 08:37*	*05/23/21 23:53*	*1*

Surrogate Summary

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

Job ID: 410-40418-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		d5NEFOS	PFDA	PFHxA						
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)						
410-40418-1	GAC Influent	83	121	112						
410-40418-1 - DL	GAC Influent	97	100	106						
410-40418-1 MS	GAC Influent	96	124	112						
410-40418-1 MSD	GAC Influent	95	122	119						
410-40418-2	GAC Midfluent	95	99	94						
410-40418-3	GAC Effluent	93	98	99						
410-40418-4	PV-1_50	87	102	102						
410-40418-5	PV-2_50	101	100	97						
410-40418-6	FTB01-210518	98	106	101						
410-40418-7	LTB01-210518	85	104	104						
LCS 410-129155/2-A	Lab Control Sample	100	106	102						
MB 410-129155/1-A	Method Blank	87	96	94						

Surrogate Legend

d5NEFOS = d5-NEtFOSAA

PFDA = 13C2 PFDA

PFHxA = 13C2 PFHxA

Isotope Dilution Summary

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

Job ID: 410-40418-1

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	(29-189)	(34-182)	(41-132)	(33-155)	(49-126)	(10-143)	(32-145)
410-40418-1	GAC Influent	162	152	133 *5+	141	141 *5+	104	158 *5+
410-40418-1 MS	GAC Influent	160	155	133 *5+	142	142 *5+	86	155 *5+
410-40418-1 MSD	GAC Influent	166	156	142 *5+	151	146 *5+	94	162 *5+
410-40418-2	GAC Midfluent	125	119	94	89	96	78	81
410-40418-3	GAC Effluent	156	161	129	136	129 *5+	83	138
410-40418-4	PV-1_50	164	148	133 *5+	138	139 *5+	91	141
410-40418-5	PV-2_50	161	158	128	140	133 *5+	84	136
410-40418-6	FTB01-210518	157	154	113	116	131 *5+	81	130
410-40418-7	LTB01-210518	173	162	125	126	131 *5+	95	133
LCS 410-129777/2-A	Lab Control Sample	165	141	131	135	135 *5+	99	138
LCS 410-129822/2-A	Lab Control Sample	175	168	142 *5+	146	141 *5+	106	144
LCS 410-130061/2-A	Lab Control Sample	144	130	108	99	116	86	101
MB 410-129777/1-A	Method Blank	158	166	127	129	128 *5+	106	127
MB 410-129822/1-A	Method Blank	163	158	129	132	132 *5+	113	131
MB 410-130061/1-A	Method Blank	147	142	105	99	120	90	96

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 410-129777/1-A
Matrix: Water
Analysis Batch: 130421

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129777

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		05/24/21 07:51	05/26/21 01:36	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		05/24/21 07:51	05/26/21 01:36	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		05/24/21 07:51	05/26/21 01:36	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		05/24/21 07:51	05/26/21 01:36	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		05/24/21 07:51	05/26/21 01:36	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		05/24/21 07:51	05/26/21 01:36	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		05/24/21 07:51	05/26/21 01:36	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*158*		*29 - 189*	*05/24/21 07:51*	*05/26/21 01:36*	*1*
M2-8:2 FTS	*166*		*34 - 182*	*05/24/21 07:51*	*05/26/21 01:36*	*1*
13C4 PFBA	*127*		*41 - 132*	*05/24/21 07:51*	*05/26/21 01:36*	*1*
13C5 PFPeA	*129*		*33 - 155*	*05/24/21 07:51*	*05/26/21 01:36*	*1*
13C8 PFOS	*128*	**5+*	*49 - 126*	*05/24/21 07:51*	*05/26/21 01:36*	*1*
13C8 FOSA	*106*		*10 - 143*	*05/24/21 07:51*	*05/26/21 01:36*	*1*
13C3 PFHxS	*127*		*32 - 145*	*05/24/21 07:51*	*05/26/21 01:36*	*1*

Lab Sample ID: LCS 410-129777/2-A
Matrix: Water
Analysis Batch: 130421

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129777

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	22.6		ng/L		93	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	22.9		ng/L		93	56 - 140		
Perfluorobutanoic acid			25.6	20.7		ng/L		81	62 - 156		
Perfluorodecanesulfonic acid			24.7	20.5		ng/L		83	61 - 134		
Perfluoroheptanesulfonic acid			24.4	19.5		ng/L		80	67 - 135		
Perfluorooctanesulfonamide			25.6	23.9		ng/L		93	55 - 130		
Perfluoropentanoic acid			25.6	21.2		ng/L		83	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*165*		*29 - 189*
M2-8:2 FTS	*141*		*34 - 182*
13C4 PFBA	*131*		*41 - 132*
13C5 PFPeA	*135*		*33 - 155*
13C8 PFOS	*135*	**5+*	*49 - 126*
13C8 FOSA	*99*		*10 - 143*
13C3 PFHxS	*138*		*32 - 145*

Lab Sample ID: MB 410-129822/1-A
Matrix: Water
Analysis Batch: 129877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129822

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		05/24/21 08:38	05/25/21 02:04	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		05/24/21 08:38	05/25/21 02:04	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		05/24/21 08:38	05/25/21 02:04	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		05/24/21 08:38	05/25/21 02:04	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		05/24/21 08:38	05/25/21 02:04	1

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

Lab Sample ID: MB 410-129822/1-A
Matrix: Water
Analysis Batch: 129877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129822

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		05/24/21 08:38	05/25/21 02:04	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		05/24/21 08:38	05/25/21 02:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*163*		*29 - 189*	*05/24/21 08:38*	*05/25/21 02:04*	*1*
M2-8:2 FTS	*158*		*34 - 182*	*05/24/21 08:38*	*05/25/21 02:04*	*1*
13C4 PFBA	*129*		*41 - 132*	*05/24/21 08:38*	*05/25/21 02:04*	*1*
13C5 PFPeA	*132*		*33 - 155*	*05/24/21 08:38*	*05/25/21 02:04*	*1*
13C8 PFOS	*132*	*5+	*49 - 126*	*05/24/21 08:38*	*05/25/21 02:04*	*1*
13C8 FOSA	*113*		*10 - 143*	*05/24/21 08:38*	*05/25/21 02:04*	*1*
13C3 PFHxS	*131*		*32 - 145*	*05/24/21 08:38*	*05/25/21 02:04*	*1*

Lab Sample ID: LCS 410-129822/2-A
Matrix: Water
Analysis Batch: 129877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129822

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid			24.3	21.8		ng/L		90	57 - 137		
8:2 Fluorotelomer sulfonic acid			24.5	18.9		ng/L		77	56 - 140		
Perfluorobutanoic acid			25.6	20.3		ng/L		79	62 - 156		
Perfluorodecanesulfonic acid			24.7	19.6		ng/L		79	61 - 134		
Perfluoroheptanesulfonic acid			24.4	19.8		ng/L		81	67 - 135		
Perfluorooctanesulfonamide			25.6	23.3		ng/L		91	55 - 130		
Perfluoropentanoic acid			25.6	20.9		ng/L		81	72 - 139		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-6:2 FTS	*175*		*29 - 189*
M2-8:2 FTS	*168*		*34 - 182*
13C4 PFBA	*142*	*5+	*41 - 132*
13C5 PFPeA	*146*		*33 - 155*
13C8 PFOS	*141*	*5+	*49 - 126*
13C8 FOSA	*106*		*10 - 143*
13C3 PFHxS	*144*		*32 - 145*

Lab Sample ID: 410-40418-1 MS
Matrix: Water
Analysis Batch: 129877

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 129822

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
6:2 Fluorotelomer sulfonic acid	4.4	U	20.9	18.2		ng/L		87	57 - 137		
8:2 Fluorotelomer sulfonic acid	2.6	U	21.1	17.4		ng/L		82	56 - 140		
Perfluorobutanoic acid	4.4	U	22.1	19.7		ng/L		78	62 - 156		
Perfluorodecanesulfonic acid	1.8	U	21.3	17.3		ng/L		81	61 - 134		
Perfluoroheptanesulfonic acid	1.8	U	21.0	16.1		ng/L		77	67 - 135		
Perfluorooctanesulfonamide	4.1		22.1	26.1		ng/L		99	55 - 130		
Perfluoropentanoic acid	2.2		22.1	20.3		ng/L		82	72 - 139		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
M2-6:2 FTS	*160*		*29 - 189*

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

Lab Sample ID: 410-40418-1 MS
Matrix: Water
Analysis Batch: 129877

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 129822

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
M2-8:2 FTS	155		34 - 182
13C4 PFBA	133	*5+	41 - 132
13C5 PFPeA	142		33 - 155
13C8 PFOS	142	*5+	49 - 126
13C8 FOSA	86		10 - 143
13C3 PFHxS	155	*5+	32 - 145

Lab Sample ID: 410-40418-1 MSD
Matrix: Water
Analysis Batch: 129877

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 129822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
6:2 Fluorotelomer sulfonic acid	4.4	U	20.7	18.1		ng/L		87	57 - 137	1	30
8:2 Fluorotelomer sulfonic acid	2.6	U	20.9	17.6		ng/L		84	56 - 140	1	30
Perfluorobutanoic acid	4.4	U	21.8	20.0		ng/L		80	62 - 156	1	30
Perfluorodecanesulfonic acid	1.8	U	21.0	17.2		ng/L		82	61 - 134	0	30
Perfluoroheptanesulfonic acid	1.8	U	20.8	15.8		ng/L		76	67 - 135	2	30
Perfluorooctanesulfonamide	4.1		21.8	24.7		ng/L		94	55 - 130	5	30
Perfluoropentanoic acid	2.2		21.8	20.2		ng/L		83	72 - 139	1	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
M2-6:2 FTS	166		29 - 189
M2-8:2 FTS	156		34 - 182
13C4 PFBA	142	*5+	41 - 132
13C5 PFPeA	151		33 - 155
13C8 PFOS	146	*5+	49 - 126
13C8 FOSA	94		10 - 143
13C3 PFHxS	162	*5+	32 - 145

Lab Sample ID: MB 410-130061/1-A
Matrix: Water
Analysis Batch: 130846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130061

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
6:2 Fluorotelomer sulfonic acid	5.0	U	5.0		ng/L		05/24/21 17:25	05/26/21 18:32	1
8:2 Fluorotelomer sulfonic acid	3.0	U	3.0		ng/L		05/24/21 17:25	05/26/21 18:32	1
Perfluorobutanoic acid	5.0	U	5.0		ng/L		05/24/21 17:25	05/26/21 18:32	1
Perfluorodecanesulfonic acid	2.0	U	2.0		ng/L		05/24/21 17:25	05/26/21 18:32	1
Perfluoroheptanesulfonic acid	2.0	U	2.0		ng/L		05/24/21 17:25	05/26/21 18:32	1
Perfluorooctanesulfonamide	2.0	U	2.0		ng/L		05/24/21 17:25	05/26/21 18:32	1
Perfluoropentanoic acid	2.0	U	2.0		ng/L		05/24/21 17:25	05/26/21 18:32	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	147		29 - 189	05/24/21 17:25	05/26/21 18:32	1
M2-8:2 FTS	142		34 - 182	05/24/21 17:25	05/26/21 18:32	1
13C4 PFBA	105		41 - 132	05/24/21 17:25	05/26/21 18:32	1
13C5 PFPeA	99		33 - 155	05/24/21 17:25	05/26/21 18:32	1
13C8 PFOS	120		49 - 126	05/24/21 17:25	05/26/21 18:32	1
13C8 FOSA	90		10 - 143	05/24/21 17:25	05/26/21 18:32	1

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

Lab Sample ID: MB 410-130061/1-A
Matrix: Water
Analysis Batch: 130846

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 130061

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	96		32 - 145	05/24/21 17:25	05/26/21 18:32	1

Lab Sample ID: LCS 410-130061/2-A
Matrix: Water
Analysis Batch: 130846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 130061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
6:2 Fluorotelomer sulfonic acid	24.3	23.7		ng/L		98	57 - 137
8:2 Fluorotelomer sulfonic acid	24.5	24.7		ng/L		101	56 - 140
Perfluorobutanoic acid	25.6	25.3		ng/L		99	62 - 156
Perfluorodecanesulfonic acid	24.7	25.1		ng/L		102	61 - 134
Perfluoroheptanesulfonic acid	24.4	25.0		ng/L		102	67 - 135
Perfluorooctanesulfonamide	25.6	30.6		ng/L		120	55 - 130
Perfluoropentanoic acid	25.6	28.2		ng/L		110	72 - 139

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	144		29 - 189
M2-8:2 FTS	130		34 - 182
13C4 PFBA	108		41 - 132
13C5 PFPeA	99		33 - 155
13C8 PFOS	116		49 - 126
13C8 FOSA	86		10 - 143
13C3 PFHxS	101		32 - 145

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

Lab Sample ID: MB 410-129155/1-A
Matrix: Water
Analysis Batch: 129618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129155

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluoroheptanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorooctanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorononanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorodecanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorotridecanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorotetradecanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorobutanesulfonic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorohexanesulfonic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorooctanesulfonic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
NEtFOSAA	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
NMeFOSAA	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluoroundecanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1
Perfluorododecanoic acid	2.0	U	2.0	ng/L		05/21/21 08:37	05/23/21 21:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	87		70 - 130	05/21/21 08:37	05/23/21 21:11	1
13C2 PFDA	96		70 - 130	05/21/21 08:37	05/23/21 21:11	1

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

Lab Sample ID: MB 410-129155/1-A
Matrix: Water
Analysis Batch: 129618

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 129155

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	94		70 - 130	05/21/21 08:37	05/23/21 21:11	1

Lab Sample ID: LCS 410-129155/2-A
Matrix: Water
Analysis Batch: 129618

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 129155

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	100	101	E	ng/L		101	70 - 130
Perfluoroheptanoic acid	100	94.5	E	ng/L		94	70 - 130
Perfluorooctanoic acid	100	98.1	E	ng/L		98	70 - 130
Perfluorononanoic acid	100	94.9	E	ng/L		95	70 - 130
Perfluorodecanoic acid	100	100	E	ng/L		100	70 - 130
Perfluorotridecanoic acid	100	104	E	ng/L		104	70 - 130
Perfluorotetradecanoic acid	100	105	E	ng/L		105	70 - 130
Perfluorobutanesulfonic acid	88.5	82.1	E	ng/L		93	70 - 130
Perfluorohexanesulfonic acid	91.2	84.5	E	ng/L		93	70 - 130
Perfluorooctanesulfonic acid	92.6	88.1	E	ng/L		95	70 - 130
NEtFOSAA	100	90.5	E	ng/L		90	70 - 130
NMeFOSAA	100	86.8	E	ng/L		87	70 - 130
Perfluoroundecanoic acid	100	96.7	E	ng/L		97	70 - 130
Perfluorododecanoic acid	100	101	E	ng/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
d5-NEtFOSAA	100		70 - 130
13C2 PFDA	106		70 - 130
13C2 PFHxA	102		70 - 130

Lab Sample ID: 410-40418-1 MS
Matrix: Water
Analysis Batch: 129618

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 129155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	9.6		84.7	107	E	ng/L		115	70 - 130
Perfluoroheptanoic acid	12		84.7	107	E	ng/L		112	70 - 130
Perfluorooctanoic acid	350	E	84.7	402	E 4	ng/L		56	70 - 130
Perfluorononanoic acid	1.7	U	84.7	93.3	E	ng/L		110	70 - 130
Perfluorodecanoic acid	1.7	U	84.7	101	E	ng/L		120	70 - 130
Perfluorotridecanoic acid	1.7	U	84.7	102	E	ng/L		120	70 - 130
Perfluorotetradecanoic acid	1.7	U	84.7	102	E	ng/L		120	70 - 130
Perfluorobutanesulfonic acid	1.7	U	74.9	73.4	E	ng/L		96	70 - 130
Perfluorohexanesulfonic acid	1.7	U	77.2	76.7	E	ng/L		98	70 - 130
Perfluorooctanesulfonic acid	3.3		78.4	82.4	E	ng/L		101	70 - 130
NEtFOSAA	1.7	U	84.7	75.0	E	ng/L		89	70 - 130
NMeFOSAA	1.7	U	84.7	80.3	E	ng/L		95	70 - 130
Perfluoroundecanoic acid	1.7	U	84.7	97.9	E	ng/L		116	70 - 130
Perfluorododecanoic acid	1.7	U	84.7	104	E	ng/L		123	70 - 130

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

Lab Sample ID: 410-40418-1 MS
Matrix: Water
Analysis Batch: 129618

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 129155

Surrogate	MS %Recovery	MS Qualifier	Limits
d5-NEtFOSAA	*96*		*70 - 130*
13C2 PFDA	*124*		*70 - 130*
13C2 PFHxA	*112*		*70 - 130*

Lab Sample ID: 410-40418-1 MSD
Matrix: Water
Analysis Batch: 129618

Client Sample ID: GAC Influent
Prep Type: Total/NA
Prep Batch: 129155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	9.6		86.1	109	E	ng/L		115	70 - 130	2	30
Perfluoroheptanoic acid	12		86.1	110	E	ng/L		113	70 - 130	2	30
Perfluorooctanoic acid	350	E	86.1	411	E 4	ng/L		66	70 - 130	2	30
Perfluorononanoic acid	1.7	U	86.1	97.8	E	ng/L		113	70 - 130	5	30
Perfluorodecanoic acid	1.7	U	86.1	99.8	E	ng/L		116	70 - 130	1	30
Perfluorotridecanoic acid	1.7	U	86.1	105	E	ng/L		122	70 - 130	3	30
Perfluorotetradecanoic acid	1.7	U	86.1	101	E	ng/L		118	70 - 130	0	30
Perfluorobutanesulfonic acid	1.7	U	76.2	76.4	E	ng/L		98	70 - 130	4	30
Perfluorohexanesulfonic acid	1.7	U	78.6	79.5	E	ng/L		100	70 - 130	4	30
Perfluorooctanesulfonic acid	3.3		79.7	84.0	E	ng/L		101	70 - 130	2	30
NEtFOSAA	1.7	U	86.1	75.1	E	ng/L		87	70 - 130	0	30
NMeFOSAA	1.7	U	86.1	79.4	E	ng/L		92	70 - 130	1	30
Perfluoroundecanoic acid	1.7	U	86.1	101	E	ng/L		117	70 - 130	3	30
Perfluorododecanoic acid	1.7	U	86.1	107	E	ng/L		124	70 - 130	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
d5-NEtFOSAA	*95*		*70 - 130*
13C2 PFDA	*122*		*70 - 130*
13C2 PFHxA	*119*		*70 - 130*

LCMS

Prep Batch: 129155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-1 - DL	GAC Influent	Total/NA	Water	537 DW	
410-40418-1	GAC Influent	Total/NA	Water	537 DW	
410-40418-2	GAC Midfluent	Total/NA	Water	537 DW	
410-40418-3	GAC Effluent	Total/NA	Water	537 DW	
410-40418-4	PV-1_50	Total/NA	Water	537 DW	
410-40418-5	PV-2_50	Total/NA	Water	537 DW	
410-40418-6	FTB01-210518	Total/NA	Water	537 DW	
410-40418-7	LTB01-210518	Total/NA	Water	537 DW	
MB 410-129155/1-A	Method Blank	Total/NA	Water	537 DW	
LCS 410-129155/2-A	Lab Control Sample	Total/NA	Water	537 DW	
410-40418-1 MS	GAC Influent	Total/NA	Water	537 DW	
410-40418-1 MSD	GAC Influent	Total/NA	Water	537 DW	

Analysis Batch: 129618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-1	GAC Influent	Total/NA	Water	537 DW	129155
410-40418-2	GAC Midfluent	Total/NA	Water	537 DW	129155
410-40418-3	GAC Effluent	Total/NA	Water	537 DW	129155
410-40418-4	PV-1_50	Total/NA	Water	537 DW	129155
410-40418-5	PV-2_50	Total/NA	Water	537 DW	129155
410-40418-6	FTB01-210518	Total/NA	Water	537 DW	129155
410-40418-7	LTB01-210518	Total/NA	Water	537 DW	129155
MB 410-129155/1-A	Method Blank	Total/NA	Water	537 DW	129155
LCS 410-129155/2-A	Lab Control Sample	Total/NA	Water	537 DW	129155
410-40418-1 MS	GAC Influent	Total/NA	Water	537 DW	129155
410-40418-1 MSD	GAC Influent	Total/NA	Water	537 DW	129155

Prep Batch: 129777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-3	GAC Effluent	Total/NA	Water	537 (Mod)	
410-40418-4	PV-1_50	Total/NA	Water	537 (Mod)	
410-40418-5	PV-2_50	Total/NA	Water	537 (Mod)	
410-40418-6	FTB01-210518	Total/NA	Water	537 (Mod)	
410-40418-7	LTB01-210518	Total/NA	Water	537 (Mod)	
MB 410-129777/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-129777/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Prep Batch: 129822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-1	GAC Influent	Total/NA	Water	537 (Mod)	
MB 410-129822/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-129822/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	
410-40418-1 MS	GAC Influent	Total/NA	Water	537 (Mod)	
410-40418-1 MSD	GAC Influent	Total/NA	Water	537 (Mod)	

Analysis Batch: 129862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-1 - DL	GAC Influent	Total/NA	Water	537 DW	129155

LCMS

Analysis Batch: 129877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-1	GAC Influent	Total/NA	Water	537 (Mod)	129822
MB 410-129822/1-A	Method Blank	Total/NA	Water	537 (Mod)	129822
LCS 410-129822/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	129822
410-40418-1 MS	GAC Influent	Total/NA	Water	537 (Mod)	129822
410-40418-1 MSD	GAC Influent	Total/NA	Water	537 (Mod)	129822

Prep Batch: 130061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-2	GAC Midfluent	Total/NA	Water	537 (Mod)	
MB 410-130061/1-A	Method Blank	Total/NA	Water	537 (Mod)	
LCS 410-130061/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	

Analysis Batch: 130421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-3	GAC Effluent	Total/NA	Water	537 (Mod)	129777
410-40418-4	PV-1_50	Total/NA	Water	537 (Mod)	129777
410-40418-5	PV-2_50	Total/NA	Water	537 (Mod)	129777
410-40418-6	FTB01-210518	Total/NA	Water	537 (Mod)	129777
410-40418-7	LTB01-210518	Total/NA	Water	537 (Mod)	129777
MB 410-129777/1-A	Method Blank	Total/NA	Water	537 (Mod)	129777
LCS 410-129777/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	129777

Analysis Batch: 130846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40418-2	GAC Midfluent	Total/NA	Water	537 (Mod)	130061
MB 410-130061/1-A	Method Blank	Total/NA	Water	537 (Mod)	130061
LCS 410-130061/2-A	Lab Control Sample	Total/NA	Water	537 (Mod)	130061

Lab Chronicle

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

Job ID: 410-40418-1

Client Sample ID: GAC Influent
Lab Sample ID: 410-40418-1

Date Collected: 05/18/21 09:25
Matrix: Water
Date Received: 05/19/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			129822	05/24/21 08:38	S7AC	ELLE
Total/NA	Analysis	537 (Mod)		1	129877	05/25/21 05:46	JVK6	ELLE
Total/NA	Prep	537 DW			129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW		1	129618	05/23/21 22:09	DCS9	ELLE
Total/NA	Prep	537 DW	DL		129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW	DL	10	129862	05/24/21 10:48	Y6ZN	ELLE

Client Sample ID: GAC Midfluent
Lab Sample ID: 410-40418-2

Date Collected: 05/18/21 09:35
Matrix: Water
Date Received: 05/19/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			130061	05/24/21 17:25	D5VP	ELLE
Total/NA	Analysis	537 (Mod)		1	130846	05/26/21 14:29	PY4D	ELLE
Total/NA	Prep	537 DW			129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW		1	129618	05/23/21 22:44	DCS9	ELLE

Client Sample ID: GAC Effluent
Lab Sample ID: 410-40418-3

Date Collected: 05/18/21 09:38
Matrix: Water
Date Received: 05/19/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			129777	05/24/21 07:51	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	130421	05/26/21 05:18	QD9Y	ELLE
Total/NA	Prep	537 DW			129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW		1	129618	05/23/21 22:55	DCS9	ELLE

Client Sample ID: PV-1_50
Lab Sample ID: 410-40418-4

Date Collected: 05/18/21 09:41
Matrix: Water
Date Received: 05/19/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			129777	05/24/21 07:51	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	130421	05/26/21 05:29	QD9Y	ELLE
Total/NA	Prep	537 DW			129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW		1	129618	05/23/21 23:07	DCS9	ELLE

Client Sample ID: PV-2_50
Lab Sample ID: 410-40418-5

Date Collected: 05/18/21 09:45
Matrix: Water
Date Received: 05/19/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			129777	05/24/21 07:51	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	130421	05/26/21 05:40	QD9Y	ELLE
Total/NA	Prep	537 DW			129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW		1	129618	05/23/21 23:18	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-40418-1

Client Sample ID: FTB01-210518

Lab Sample ID: 410-40418-6

Date Collected: 05/18/21 09:50

Matrix: Water

Date Received: 05/19/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			129777	05/24/21 07:51	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	130421	05/26/21 06:02	QD9Y	ELLE
Total/NA	Prep	537 DW			129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW		1	129618	05/23/21 23:30	DCS9	ELLE

Client Sample ID: LTB01-210518

Lab Sample ID: 410-40418-7

Date Collected: 05/18/21 00:00

Matrix: Water

Date Received: 05/19/21 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 (Mod)			129777	05/24/21 07:51	X4HV	ELLE
Total/NA	Analysis	537 (Mod)		1	130421	05/26/21 06:14	QD9Y	ELLE
Total/NA	Prep	537 DW			129155	05/21/21 08:37	RDL8	ELLE
Total/NA	Analysis	537 DW		1	129618	05/23/21 23:53	DCS9	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, 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: 410-40418-1

Laboratory: Eurofins Lancaster Laboratories Env, 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	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (Mod)	537 (Mod)	Water	6:2 Fluorotelomer sulfonic acid
537 (Mod)	537 (Mod)	Water	8:2 Fluorotelomer sulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluorobutanoic acid
537 (Mod)	537 (Mod)	Water	Perfluorodecanesulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluoroheptanesulfonic acid
537 (Mod)	537 (Mod)	Water	Perfluorooctanesulfonamide
537 (Mod)	537 (Mod)	Water	Perfluoropentanoic acid
537 DW	537 DW	Water	NEtFOSAA
537 DW	537 DW	Water	NMeFOSAA
537 DW	537 DW	Water	Perfluorobutanesulfonic acid
537 DW	537 DW	Water	Perfluorodecanoic acid
537 DW	537 DW	Water	Perfluorododecanoic acid
537 DW	537 DW	Water	Perfluoroheptanoic acid
537 DW	537 DW	Water	Perfluorohexanesulfonic acid
537 DW	537 DW	Water	Perfluorohexanoic acid
537 DW	537 DW	Water	Perfluorononanoic acid
537 DW	537 DW	Water	Perfluorooctanesulfonic acid
537 DW	537 DW	Water	Perfluorooctanoic acid
537 DW	537 DW	Water	Perfluorotetradecanoic acid
537 DW	537 DW	Water	Perfluorotridecanoic acid
537 DW	537 DW	Water	Perfluoroundecanoic acid

Method Summary

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

Job ID: 410-40418-1

Method	Method Description	Protocol	Laboratory
537 (Mod)	EPA 537 Version 1.1 modified	EPA	ELLE
537 DW	Perfluorinated Alkyl Acids (LC/MS)	EPA	ELLE
537 (Mod)	537 Version 1.1 modified	EPA	ELLE
537 DW	Extraction of Perfluorinated Alkyl Acids	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, 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: 410-40418-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-40418-1	GAC Influent	Water	05/18/21 09:25	05/19/21 10:55	
410-40418-2	GAC Midfluent	Water	05/18/21 09:35	05/19/21 10:55	
410-40418-3	GAC Effluent	Water	05/18/21 09:38	05/19/21 10:55	
410-40418-4	PV-1_50	Water	05/18/21 09:41	05/19/21 10:55	
410-40418-5	PV-2_50	Water	05/18/21 09:45	05/19/21 10:55	
410-40418-6	FTB01-210518	Water	05/18/21 09:50	05/19/21 10:55	
410-40418-7	LTB01-210518	Water	05/18/21 00:00	05/19/21 10:55	

410-40418 Chain of Custody

nv, LLC

Chain of Custody Record

eurofins Environment Testing America

Jonathan Dippert, Nancy Gary,	Sampler: Christopher Ormsby	Lab PM: Hobart, Paul	Carrier Tracking No(s):	COC No: 410-24879-7561.1
	Phone:	E-Mail: Paul.Hobart@Eurofinset.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, N.gary@ctmale.com	WO #:
Project Name: Hoosick Falls WTP	Project #: 41000511
Site:	SSOW#:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; 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	PFC_IDA-(MOD) 7 PFAS Compounds	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		N			
GAC Influent	5/18/21	0925	G	Water					X	X	8	PFAS QC Batch Collected
GAC Midfluent	↓	0935	G	Water					X	X	4	
GAC Effluent		0938	G	Water					X	X	4	
PV-1_50		0941	G	Water					X	X	4	
PV-2_50		0945	G	Water					X	X	4	
FTB01-210518		0950	G	Water					X	X	4	
LTB01-210518		—	G	Water					X	X	4	
				Water								
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Edwin Hernandez	5/14/21 1245				
Christopher Ormsby	5/18/21 1520				
			MR	5/19/21 1055	ETVE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.3°C

Login Sample Receipt Checklist

Client: CT Male Associates DPC

Job Number: 410-40418-1

Login Number: 40418

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Sanchez, Melvin E

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	True	