



ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

C. T. Male Associates
50 Century Hill Drive
Latham NY 12110

Report Date: October 14, 2019 16:15

Project: Hoosick Falls WTP

Account #: 37191
Group Number: 2067481
SDG: HOO36
PO Number: 14.4756
State of Sample Origin: NY

Electronic Copy To	C. T. Male Associates	Attn: Kirk Moline
Electronic Copy To	C. T. Male Associates	Attn: Dan Reilly
Electronic Copy To	C. T. Male Associates	Attn: Jeff Marx
Electronic Copy To	Barr Engineering Company	Attn: Lauren Brady
Electronic Copy To	Environmental Standards	Attn: St. Gobain
Electronic Copy To	Barr Engineering Company	Attn: Data Mgt
Electronic Copy To	Barr Engineering Company	Attn: Terri Olson

Respectfully Submitted,



(717)-556-7376

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/> . Historical copies may be requested through your project manager.



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
GAC Influent Grab Drinking Water	10/03/2019 11:45	1167218
GAC Midfluent Grab Drinking Water	10/03/2019 11:50	1167219
GAC Effluent Grab Drinking Water	10/03/2019 11:55	1167220
PV-1 25 Grab Drinking Water	10/03/2019 12:00	1167221
PV-1 50 Grab Drinking Water	10/03/2019 12:05	1167222
PV-1 75 Grab Drinking Water	10/03/2019 12:07	1167223
FTB01-191003 Blank Water	10/03/2019 12:10	1167224
LTB01-191003 Blank Water	10/03/2019	1167225

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Project Name: Hoosick Falls WTP
ELLE Group #: 2067481

General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below.

Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

No additional comments are necessary.

Sample Description: GAC Influent Grab Drinking Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: PW 1167218
ELLE Group #: 2067481
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019 11:45
SDG#: HOO36-01

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.8 U	1.8	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.8 U	1.8	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.8 U	1.8	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.8 U	1.8	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.8 U	1.8	1
14070	Perfluoroheptanoic acid¹	375-85-9	13	1.8	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.8 U	1.8	1
14070	Perfluorohexanoic acid¹	307-24-4	13	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid¹	1763-23-1	3.2	1.8	1
14070	Perfluorooctanoic acid¹	335-67-1	430	18	10
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.8 U	1.8	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.8 U	1.8	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.8 U	1.8	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.5 U	4.5	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid¹	375-22-4	5.1	4.5	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid¹	2706-90-3	4.8	1.8	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 21:35	Marissa C Drexinger	1
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/14/2019 14:34	Marissa C Drexinger	10
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/11/2019 23:49	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothharp	1

Sample Description: GAC Midfluent Grab Drinking Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: PW 1167219
ELLE Group #: 2067481
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submittal Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019 11:50
SDG#: HOO36-02

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.8 U	1.8	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.8 U	1.8	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.8 U	1.8	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.8 U	1.8	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.8 U	1.8	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.8 U	1.8	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.8 U	1.8	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.8 U	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid ¹	1763-23-1	1.8 U	1.8	1
14070	Perfluorooctanoic acid ¹	335-67-1	1.8 U	1.8	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.8 U	1.8	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.8 U	1.8	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.8 U	1.8	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.5 U	4.5	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid¹	375-22-4	6.9	4.5	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.8 U	1.8	1

Sample Comments

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 21:47	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/11/2019 23:58	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothharpt	1

Sample Description: GAC Effluent Grab Drinking Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: PW 1167220
ELLE Group #: 2067481
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submittal Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019 11:55
SDG#: HOO36-03

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.8 U	1.8	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.8 U	1.8	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.8 U	1.8	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.8 U	1.8	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.8 U	1.8	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.8 U	1.8	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.8 U	1.8	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.8 U	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid ¹	1763-23-1	1.8 U	1.8	1
14070	Perfluorooctanoic acid ¹	335-67-1	1.8 U	1.8	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.8 U	1.8	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.8 U	1.8	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.8 U	1.8	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.4 U	4.4	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid ¹	375-22-4	4.4 U	4.4	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.8 U	1.8	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 21:58	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/12/2019 00:07	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothharp	1

Sample Description: PV-1 25 Grab Drinking Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: PW 1167221
ELLE Group #: 2067481
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019 12:00
SDG#: HOO36-04

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.8 U	1.8	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.8 U	1.8	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.8 U	1.8	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.8 U	1.8	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.8 U	1.8	1
14070	Perfluoroheptanoic acid¹	375-85-9	10	1.8	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.8 U	1.8	1
14070	Perfluorohexanoic acid¹	307-24-4	12	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid ¹	1763-23-1	1.8 U	1.8	1
14070	Perfluorooctanoic acid¹	335-67-1	300	18	10
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.8 U	1.8	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.8 U	1.8	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.8 U	1.8	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.5 U	4.5	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid¹	375-22-4	5.3	4.5	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid¹	2706-90-3	4.9	1.8	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 22:10	Marissa C Drexinger	1
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/14/2019 14:46	Marissa C Drexinger	10
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/12/2019 00:17	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothhapt	1

Sample Description: PV-1 50 Grab Drinking Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: PW 1167222
ELLE Group #: 2067481
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019 12:05
SDG#: HOO36-05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1					
			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.8 U	1.8	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.8 U	1.8	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.8 U	1.8	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.8 U	1.8	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.8 U	1.8	1
14070	Perfluoroheptanoic acid¹	375-85-9	1.9	1.8	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.8 U	1.8	1
14070	Perfluorohexanoic acid¹	307-24-4	6.1	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid ¹	1763-23-1	1.8 U	1.8	1
14070	Perfluorooctanoic acid¹	335-67-1	30	1.8	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.8 U	1.8	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.8 U	1.8	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.8 U	1.8	1

LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified					
			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.5 U	4.5	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid¹	375-22-4	6.7	4.5	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid¹	2706-90-3	4.1	1.8	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 22:21	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/12/2019 00:26	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothharpt	1

Sample Description: PV-1 75 Grab Drinking Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: PW 1167223
ELLE Group #: 2067481
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019 12:07
SDG#: HOO36-06

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.9 U	1.9	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.9 U	1.9	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.9 U	1.9	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.9 U	1.9	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.9 U	1.9	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.9 U	1.9	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.9 U	1.9	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.9 U	1.9	1
14070	Perfluorononanoic acid ¹	375-95-1	1.9 U	1.9	1
14070	Perfluorooctanesulfonic acid ¹	1763-23-1	1.9 U	1.9	1
14070	Perfluorooctanoic acid ¹	335-67-1	1.9 U	1.9	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.9 U	1.9	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.9 U	1.9	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.9 U	1.9	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.5 U	4.5	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid¹	375-22-4	9.2	4.5	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid¹	2706-90-3	2.0	1.8	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 22:33	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/12/2019 00:35	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothharpt	1

Sample Description: FTB01-191003 Blank Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: WW 1167224
ELLE Group #: 2067481
Matrix: Blank Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019 12:10
SDG#: HOO36-07FB

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.8 U	1.8	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.8 U	1.8	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.8 U	1.8	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.8 U	1.8	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.8 U	1.8	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.8 U	1.8	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.8 U	1.8	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.8 U	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid ¹	1763-23-1	1.8 U	1.8	1
14070	Perfluorooctanoic acid ¹	335-67-1	1.8 U	1.8	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.8 U	1.8	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.8 U	1.8	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.8 U	1.8	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.4 U	4.4	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.6 U	2.6	1
14473	Perfluorobutanoic acid ¹	375-22-4	4.4 U	4.4	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.8 U	1.8	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 22:44	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/12/2019 00:44	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothharp	1

Sample Description: LTB01-191003 Blank Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: WW 1167225
ELLE Group #: 2067481
Matrix: Blank Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 10/04/2019 10:33
Collection Date/Time: 10/03/2019
SDG#: HOO36-08TB

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.8 U	1.8	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.8 U	1.8	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.8 U	1.8	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.8 U	1.8	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.8 U	1.8	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.8 U	1.8	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.8 U	1.8	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.8 U	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid ¹	1763-23-1	1.8 U	1.8	1
14070	Perfluorooctanoic acid ¹	335-67-1	1.8 U	1.8	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.8 U	1.8	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.8 U	1.8	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.8 U	1.8	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified			ng/l	ng/l	
14473	6:2-Fluorotelomersulfonic acid ¹	27619-97-2	4.6 U	4.6	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.8 U	2.8	1
14473	Perfluorobutanoic acid ¹	375-22-4	4.6 U	4.6	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.8 U	1.8	1

Sample Comments

¹ = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19283017	10/11/2019 23:07	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19283003	10/12/2019 00:53	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19283017	10/10/2019 18:00	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19283003	10/10/2019 07:00	Pamela Rothharp	1

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 10/14/2019 16:15

Group Number: 2067481

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 was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ng/l	ng/l
Batch number: 19283003	Sample number(s): 1167218-1167225	
6:2-Fluorotelomersulfonic acid	5.0 U	5.0
8:2-Fluorotelomersulfonic acid	3.0 U	3.0
Perfluorobutanoic acid	5.0 U	5.0
Perfluorodecanesulfonic acid	2.0 U	2.0
Perfluoroheptanesulfonic acid	2.0 U	2.0
Perfluorooctanesulfonamide	2.0 U	2.0
Perfluoropentanoic acid	2.0 U	2.0
Batch number: 19283017	Sample number(s): 1167218-1167225	
NETFOSAA	2.0 U	2.0
NMeFOSAA	2.0 U	2.0
Perfluorobutanesulfonic acid	2.0 U	2.0
Perfluorodecanoic acid	2.0 U	2.0
Perfluorododecanoic acid	2.0 U	2.0
Perfluoroheptanoic acid	2.0 U	2.0
Perfluorohexanesulfonic acid	2.0 U	2.0
Perfluorohexanoic acid	2.0 U	2.0
Perfluorononanoic acid	2.0 U	2.0
Perfluorooctanesulfonic acid	2.0 U	2.0
Perfluorooctanoic acid	2.0 U	2.0
Perfluorotetradecanoic acid	2.0 U	2.0
Perfluorotridecanoic acid	2.0 U	2.0
Perfluoroundecanoic acid	2.0 U	2.0

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ng/l	ng/l	ng/l	ng/l					
Batch number: 19283003	Sample number(s): 1167218-1167225								
6:2-Fluorotelomersulfonic acid	24.28	25.05			103		56-140		
8:2-Fluorotelomersulfonic acid	24.52	23.81			97		58-143		
Perfluorobutanoic acid	25.6	26.98			105		63-160		
Perfluorodecanesulfonic acid	24.64	24.04			98		62-135		
Perfluoroheptanesulfonic acid	24.36	26.38			108		67-138		
Perfluorooctanesulfonamide	25.6	25.54			100		67-126		

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 10/14/2019 16:15

Group Number: 2067481

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ng/l	LCS Conc ng/l	LCSD Spike Added ng/l	LCSD Conc ng/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Perfluoropentanoic acid	25.6	29.14			114		73-135		
Batch number: 19283017	Sample number(s): 1167218-1167225								
NEtFOSAA	80	72.85	80	74.25	91	93	70-130	2	30
NMeFOSAA	80	77.04	80	76.86	96	96	70-130	0	30
Perfluorobutanesulfonic acid	70.8	66.99	70.8	65.34	95	92	70-130	2	30
Perfluorodecanoic acid	80	74.89	80	78	94	97	70-130	4	30
Perfluorododecanoic acid	80	69.86	80	72.48	87	91	70-130	4	30
Perfluoroheptanoic acid	80	72.2	80	72.73	90	91	70-130	1	30
Perfluorohexanesulfonic acid	72.96	70.25	72.96	67.94	96	93	70-130	3	30
Perfluorohexanoic acid	80	71.92	80	75.49	90	94	70-130	5	30
Perfluorononanoic acid	80	74.61	80	77.6	93	97	70-130	4	30
Perfluorooctanesulfonic acid	74.04	72.17	74.04	68.63	97	93	70-130	5	30
Perfluorooctanoic acid	80	75.58	80	76.45	94	96	70-130	1	30
Perfluorotetradecanoic acid	80	71.79	80	74.41	90	93	70-130	4	30
Perfluorotridecanoic acid	80	73.76	80	75.73	92	95	70-130	3	30
Perfluoroundecanoic acid	80	74.57	80	77.32	93	97	70-130	4	30

Labeled Isotope Quality Control

Labeled isotope recoveries which are outside of the QC window are confirmed unless otherwise noted on the analysis report.

Analysis Name: 7 PFAS Compounds
Batch number: 19283003

	13C4-PFBA	13C5-PFPeA	13C3-PFHxS	13C2-6:2-FTS	13C8-PFOS	13C2-8:2-FTS
1167218	86	102	106	102	87	107
1167219	87	83	87	108	88	117
1167220	89	87	87	106	89	115
1167221	86	102	102	104	87	115
1167222	80	86	81	101	84	104
1167223	90	86	81	101	93	109
1167224	85	83	83	105	88	113
1167225	92	86	90	116	88	111
Blank	91	86	86	112	98	124
LCS	95	90	94	118	100	122
Limits:	43-130	38-150	35-143	29-182	52-121	37-169
	13C8-PFOSA					
1167218	34					
1167219	30					

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 10/14/2019 16:15

Group Number: 2067481

Labeled Isotope Quality Control (continued)

Labeled isotope recoveries which are outside of the QC window are confirmed unless otherwise noted on the analysis report.

Analysis Name: 7 PFAS Compounds
Batch number: 19283003

	13C8-PFOSA
1167220	35
1167221	27
1167222	38
1167223	31
1167224	92
1167225	98
Blank	98
LCS	95

Limits: 10-134

Analysis Name: 14 PFAS Drinking Water List
Batch number: 19283017

	13C2-PFHxA	13C2-PFDA	D5-NetFOSAA
1167218	97	100	87
1167219	92	94	87
1167220	96	95	97
1167221	101	102	90
1167222	91	92	84
1167223	95	94	88
1167224	93	93	89
1167225	95	95	88
Blank	106	110	92
LCS	92	93	90
LCSD	92	97	86

Limits: 70-130 70-130 70-130

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Environmental Services Analysis Request/Chain of Custody

Acct. #: 37191

Group #: 2067481

Sample #: 1167210

COC#: 242885

Client: C.T. Male Associates				Matrix				Analyses Requested										For Lab Use Only	
Project Name#: Hoosick Falls WTP		Site ID:		<input type="checkbox"/> Sediment <input type="checkbox"/> Potable Water <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Ground <input type="checkbox"/> NPDES <input type="checkbox"/> Surface Other: <i>Reagent water</i>	Total # of Containers	Preservation and Filtration Codes										SF#: 303216			
Project Manager: Kirk Moline		P.O. #: 14.4756				7 PFAS (EPA 537 mod.)	14 PFAS (EPA 537 ver. 1.1)											SCR#: 242885	
Sampler: <i>Christopher Omski</i>		Quote #: 219169																Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ O = Other Z = Trizma	
Phone #:		For Compliance:																Remarks	
State where sample(s) were collected: NY				Yes <input type="checkbox"/> No <input type="checkbox"/>															
Sample Identification		Collection		<input type="checkbox"/>	<input type="checkbox"/>														
	Date	Time	Grab			Composite													
<i>GAC Influent</i>	<i>10/3/19</i>	<i>1145</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<i>2 Trizma + 2 non Trizma</i>		
<i>GAC Midfluent</i>		<i>1150</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>8</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							<i>PPAS & C Barton Collection also</i>		
<i>GAC Effluent</i>		<i>1155</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<i>PV-1 25</i>		<i>1200</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<i>PV-1 50</i>		<i>1205</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<i>PV-1 75</i>		<i>1207</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<i>FTB 01-191003</i>		<i>1210</i>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
<i>LTB 01-191003</i>		<i>-</i>					<input checked="" type="checkbox"/>	<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
Turnaround Time Requested (TAT) (please check): Standard <input type="checkbox"/> RUSH <input checked="" type="checkbox"/>				Relinquished by: <i>Amanda Demario</i>		Date: <i>9.26.19</i>	Time: <i>1128</i>	Received by: <i>[Signature]</i>		Date: <i>10/3/19</i>	Time: <i>0730</i>								
(RUSH TAT is subject to Eurofins Lancaster Laboratories approval and surcharges.)				Relinquished by: <i>Christopher Omski</i>		Date: <i>10/3/19</i>	Time: <i>1440</i>	Received by:		Date:	Time:								
Date results are needed: <i>3 days</i>				Relinquished by:		Date:	Time:	Received by:		Date:	Time:								
E-mail address to send RUSH results: <i>K.Moline@CTMale.com</i>				Relinquished by:		Date:	Time:	Received by:		Date:	Time:								
Data Package Options (please check if required)				Relinquished by:		Date:	Time:	Received by:		Date:	Time:								
Type I (Validation/non-CLP) <input type="checkbox"/>	MA MCP <input type="checkbox"/>	TX TRRP - 13 <input type="checkbox"/>																	
Type III (Reduced non-CLP) <input type="checkbox"/>	CT RCP <input type="checkbox"/>																		
Type IV (CLP SOW) <input type="checkbox"/>	ASP Type A <input type="checkbox"/>																		
Type VI (Raw Data Only) <input type="checkbox"/>	ASP Type B <input checked="" type="checkbox"/>																		
EDD Format: <i>EQUS</i>				Relinquished by:		Date:	Time:	Received by: <i>Chris Wells</i>		Date: <i>10/4/19</i>	Time: <i>10:33</i>								
If site-specific QC (MS/MSD/Dup) required, indicate QC samples and submit triplicate volume.				Airbill No.:		Relinquished by Commercial Carrier:		Temperature upon receipt: <i>2.5</i> °C											
				UPS <input type="checkbox"/> FedEx <input checked="" type="checkbox"/> Other <input type="checkbox"/>															



Group Number(s): 2067481

Client: C.T Male

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Date: 10/04/2019
 Number of Packages: 1 Number of Projects: 1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	Total Trip Blank Qty:	4
Samples Chilled:	Yes	Trip Blank Type:	N/A
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Leah Foreman

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	192050133	2.5	IR	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

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.

Measurement uncertainty values, as applicable, are available upon request.

Tests 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.

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

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
P^	Concentration difference between the primary and confirmation column $> 40\%$. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.