



## 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: November 17, 2019 09:30

### Project: Hoosick Falls WTP

Account #: 37191  
Group Number: 2073668  
SDG: HOO38  
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
Electronic Copy To	C. T. Male Associates	Attn: Nancy Garry

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	11/07/2019 14:38	1197141
GAC Midfluent Grab Drinking Water	11/07/2019 14:45	1197142
GAC Effluent Grab Drinking Water	11/07/2019 14:48	1197143
PV-2 25 Grab Drinking Water	11/07/2019 14:54	1197144
PV-2 50 Grab Drinking Water	11/07/2019 14:56	1197145
PV-2 75 Grab Drinking Water	11/07/2019 14:58	1197146
FTB01-191107 Grab Blank Water	11/07/2019 15:00	1197147
LTB01-191107 Blank Water	11/07/2019	1197148

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 #: 2073668

**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 1197141  
**ELLE Group #:** 2073668  
**Matrix:** Drinking Water

**Project Name:** Hoosick Falls WTP

**Submission Date/Time:** 11/09/2019 09:36  
**Collection Date/Time:** 11/07/2019 14:38  
**SDG#:** HOO38-01

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1</b>			<b>ng/l</b>	<b>ng/l</b>	
14070	NEtFOSAA <sup>1</sup> NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	2.0 U	2.0	1
14070	NMeFOSAA <sup>1</sup> NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	2.0 U	2.0	1
14070	Perfluorobutanesulfonic acid <sup>1</sup>	375-73-5	2.0 U	2.0	1
14070	Perfluorodecanoic acid <sup>1</sup>	335-76-2	2.0 U	2.0	1
14070	Perfluorododecanoic acid <sup>1</sup>	307-55-1	2.0 U	2.0	1
14070	<b>Perfluoroheptanoic acid<sup>1</sup></b>	375-85-9	<b>13</b>	2.0	1
14070	Perfluorohexanesulfonic acid <sup>1</sup>	355-46-4	2.0 U	2.0	1
14070	<b>Perfluorohexanoic acid<sup>1</sup></b>	307-24-4	<b>13</b>	2.0	1
14070	Perfluorononanoic acid <sup>1</sup>	375-95-1	2.0 U	2.0	1
14070	<b>Perfluorooctanesulfonic acid<sup>1</sup></b>	1763-23-1	<b>3.1</b>	2.0	1
14070	<b>Perfluorooctanoic acid<sup>1</sup></b>	335-67-1	<b>520</b>	20	10
14070	Perfluorotetradecanoic acid <sup>1</sup>	376-06-7	2.0 U	2.0	1
14070	Perfluorotridecanoic acid <sup>1</sup>	72629-94-8	2.0 U	2.0	1
14070	Perfluoroundecanoic acid <sup>1</sup>	2058-94-8	2.0 U	2.0	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.6 U	4.6	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid <sup>1</sup>	375-22-4	6.4 U	6.4	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.8 U	1.8	1
14473	<b>Perfluoropentanoic acid<sup>1</sup></b>	2706-90-3	<b>5.1</b>	1.8	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 21:34	Marissa C Drexinger	1
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	19314008	11/13/2019 20:13	Marissa C Drexinger	10
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 12:24	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1

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

**C. T. Male Associates**  
**ELLE Sample #:** PW 1197142  
**ELLE Group #:** 2073668  
**Matrix:** Drinking Water

**Project Name:** Hoosick Falls WTP

**Submission Date/Time:** 11/09/2019 09:36  
**Collection Date/Time:** 11/07/2019 14:45  
**SDG#:** HOO38-02

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

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.5 U	4.5	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.7 U	2.7	1
14473	<b>Perfluorobutanoic acid<sup>1</sup></b>	375-22-4	<b>8.2</b>	6.4	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid <sup>1</sup>	2706-90-3	1.8 U	1.8	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 21:46	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 12:33	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1

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

**C. T. Male Associates**  
ELLE Sample #: PW 1197143  
ELLE Group #: 2073668  
Matrix: Drinking Water

**Project Name:** Hoosick Falls WTP

Submittal Date/Time: 11/09/2019 09:36  
Collection Date/Time: 11/07/2019 14:48  
SDG#: HOO38-03

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

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.6 U	4.6	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.8 U	2.8	1
14473	Perfluorobutanoic acid <sup>1</sup>	375-22-4	6.5 U	6.5	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.9 U	1.9	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.9 U	1.9	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.9 U	1.9	1
14473	Perfluoropentanoic acid <sup>1</sup>	2706-90-3	1.9 U	1.9	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 21:57	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 12:42	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1

**Sample Description:** PV-2 25 Grab Drinking Water  
Hoosick Falls Water Treatment Plant

**C. T. Male Associates**  
**ELLE Sample #:** PW 1197144  
**ELLE Group #:** 2073668  
**Matrix:** Drinking Water

**Project Name:** Hoosick Falls WTP

**Submission Date/Time:** 11/09/2019 09:36  
**Collection Date/Time:** 11/07/2019 14:54  
**SDG#:** HOO38-04

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

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.6 U	4.6	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.7 U	2.7	1
14473	<b>Perfluorobutanoic acid<sup>1</sup></b>	375-22-4	<b>6.4</b>	6.4	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid <sup>1</sup>	2706-90-3	1.8 U	1.8	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 22:09	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 12:51	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1

**Sample Description:** PV-2 50 Grab Drinking Water  
Hoosick Falls Water Treatment Plant

**C. T. Male Associates**  
**ELLE Sample #:** PW 1197145  
**ELLE Group #:** 2073668  
**Matrix:** Drinking Water

**Project Name:** Hoosick Falls WTP

**Submission Date/Time:** 11/09/2019 09:36  
**Collection Date/Time:** 11/07/2019 14:56  
**SDG#:** HOO38-05

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

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.7 U	4.7	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.8 U	2.8	1
14473	Perfluorobutanoic acid <sup>1</sup>	375-22-4	6.6 U	6.6	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.9 U	1.9	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.9 U	1.9	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.9 U	1.9	1
14473	Perfluoropentanoic acid <sup>1</sup>	2706-90-3	1.9 U	1.9	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 22:20	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 13:01	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1



**Sample Description:** PV-2 75 Grab Drinking Water  
Hoosick Falls Water Treatment Plant

**C. T. Male Associates**  
**ELLE Sample #:** PW 1197146  
**ELLE Group #:** 2073668  
**Matrix:** Drinking Water

**Project Name:** Hoosick Falls WTP

**Submission Date/Time:** 11/09/2019 09:36  
**Collection Date/Time:** 11/07/2019 14:58  
**SDG#:** HOO38-06

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

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.5 U	4.5	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.7 U	2.7	1
14473	Perfluorobutanoic acid <sup>1</sup>	375-22-4	6.3 U	6.3	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid <sup>1</sup>	2706-90-3	1.8 U	1.8	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 22:43	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 13:33	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1

**Sample Description:** FTB01-191107 Grab Blank Water  
Hoosick Falls Water Treatment Plant

**C. T. Male Associates**  
**ELLE Sample #:** PW 1197147  
**ELLE Group #:** 2073668  
**Matrix:** Blank Water

**Project Name:** Hoosick Falls WTP

**Submission Date/Time:** 11/09/2019 09:36  
**Collection Date/Time:** 11/07/2019 15:00  
**SDG#:** HOO38-07FB

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

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.3 U	4.3	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.6 U	2.6	1
14473	Perfluorobutanoic acid <sup>1</sup>	375-22-4	6.1 U	6.1	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.7 U	1.7	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.7 U	1.7	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.7 U	1.7	1
14473	Perfluoropentanoic acid <sup>1</sup>	2706-90-3	1.7 U	1.7	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 22:55	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 13:42	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1

**Sample Description:** LTB01-191107 Blank Water  
Hoosick Falls Water Treatment Plant

**C. T. Male Associates**  
ELLE Sample #: PW 1197148  
ELLE Group #: 2073668  
Matrix: Blank Water

**Project Name:** Hoosick Falls WTP

Submittal Date/Time: 11/09/2019 09:36  
Collection Date/Time: 11/07/2019  
SDG#: HOO38-08TB

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

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
<b>LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified</b>			<b>ng/l</b>	<b>ng/l</b>	
14473	6:2-Fluorotelomersulfonic acid <sup>1</sup>	27619-97-2	4.4 U	4.4	1
14473	8:2-Fluorotelomersulfonic acid <sup>1</sup>	39108-34-4	2.6 U	2.6	1
14473	Perfluorobutanoic acid <sup>1</sup>	375-22-4	6.2 U	6.2	1
14473	Perfluorodecanesulfonic acid <sup>1</sup>	335-77-3	1.8 U	1.8	1
14473	Perfluoroheptanesulfonic acid <sup>1</sup>	375-92-8	1.8 U	1.8	1
14473	Perfluorooctanesulfonamide <sup>1</sup>	754-91-6	1.8 U	1.8	1
14473	Perfluoropentanoic acid <sup>1</sup>	2706-90-3	1.8 U	1.8	1

### Sample Comments

<sup>1</sup> = 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	19314008	11/11/2019 23:06	Marissa C Drexinger	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	19314002	11/12/2019 13:51	Jason W Knight	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	19314008	11/10/2019 16:24	Anthony C Polaski	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	19314002	11/10/2019 07:00	Austin Prince	1

## Quality Control Summary

Client Name: C. T. Male Associates  
Reported: 11/17/2019 09:30

Group Number: 2073668

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: 19314002	Sample number(s): 1197141-1197148	
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: 19314008	Sample number(s): 1197141-1197148	
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: 19314002	Sample number(s): 1197141-1197148								
6:2-Fluorotelomersulfonic acid	24.28	26.13	24.28	23.35	108	96	56-140	11	30
8:2-Fluorotelomersulfonic acid	24.52	25.11	24.52	25.93	102	106	58-143	3	30
Perfluorobutanoic acid	25.6	26.29	25.6	25.85	103	101	63-160	2	30
Perfluorodecanesulfonic acid	24.64	24.98	24.64	24.09	101	98	62-135	4	30
Perfluoroheptanesulfonic acid	24.36	26.31	24.36	26.03	108	107	67-138	1	30
Perfluorooctanesulfonamide	25.6	23.32	25.6	22.96	91	90	67-126	2	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: 11/17/2019 09:30

Group Number: 2073668

### 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	27.44	25.6	26.24	107	102	73-135	4	30
Batch number: 19314008	Sample number(s): 1197141-1197148								
NEtFOSAA	3.84	3.41	3.84	3.46	89	90	50-150	1	30
NMeFOSAA	3.84	3.59	3.84	3.48	93	91	50-150	3	30
Perfluorobutanesulfonic acid	3.40	2.86	3.40	2.93	84	86	50-150	2	30
Perfluorodecanoic acid	3.84	3.35	3.84	3.57	87	93	50-150	6	30
Perfluorododecanoic acid	3.84	3.61	3.84	3.61	94	94	50-150	0	30
Perfluoroheptanoic acid	3.84	3.42	3.84	3.53	89	92	50-150	3	30
Perfluorohexanesulfonic acid	3.50	3.16	3.50	3.40	90	97	50-150	7	30
Perfluorohexanoic acid	3.84	3.40	3.84	3.45	88	90	50-150	2	30
Perfluorononanoic acid	3.84	3.38	3.84	3.42	88	89	50-150	1	30
Perfluorooctanesulfonic acid	3.55	3.34	3.55	3.39	94	95	50-150	1	30
Perfluorooctanoic acid	3.84	3.38	3.84	3.39	88	88	50-150	0	30
Perfluorotetradecanoic acid	3.84	3.94	3.84	4.02	103	105	50-150	2	30
Perfluorotridecanoic acid	3.84	3.72	3.84	3.67	97	95	50-150	1	30
Perfluoroundecanoic acid	3.84	3.43	3.84	3.33	89	87	50-150	3	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: 19314002

	13C4-PFBA	13C5-PFPeA	13C3-PFHxS	13C2-6:2-FTS	13C8-PFOS	13C2-8:2-FTS
1197141	86	100	104	86	92	102
1197142	87	87	92	92	89	88
1197143	84	83	88	89	84	93
1197144	92	92	93	98	96	105
1197145	91	88	89	102	88	103
1197146	90	86	89	92	96	103
1197147	94	91	91	102	98	117
1197148	90	88	95	94	95	91
Blank	93	93	92	93	92	100
LCS	91	90	92	90	96	99
LCSD	79	80	87	94	95	96
Limits:	43-130	38-150	35-143	29-182	52-121	37-169

13C8-PFOSA

1197141	41
---------	----

\*- 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: 11/17/2019 09:30

Group Number: 2073668

### 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: 19314002

	13C8-PFOSA
1197142	50
1197143	43
1197144	88
1197145	87
1197146	66
1197147	92
1197148	82
Blank	87
LCS	93
LCSD	77

Limits: 10-134

Analysis Name: 14 PFAS Drinking Water List  
Batch number: 19314008

	13C2-PFHxA	13C2-PFDA	D5-NetFOSAA
1197141	105	104	101
1197142	99	99	92
1197143	95	92	93
1197144	100	96	96
1197145	103	100	98
1197146	100	96	99
1197147	92	92	88
1197148	95	92	97
Blank	92	91	94
LCS	101	100	99
LCSD	99	95	105

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.





Client: C.T. MALE ASSOCIATES

**Delivery and Receipt Information**

Delivery Method:	<u>Fed Ex</u>	Arrival Date:	<u>11/09/2019</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>NY</u>		

**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:	UNP
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 Jessenia Colon Martinez*

**Samples Chilled Details**

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

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	192050133	0.8	IR	Wet	Y	Bagged	N

General Comments: (4) PFAS BATCH QC



# Explanation of Symbols and Abbreviations

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

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mL</b>	milliliter(s)
<b>C</b>	degrees Celsius	<b>MPN</b>	Most Probable Number
<b>cfu</b>	colony forming units	<b>N.D.</b>	non-detect
<b>CP Units</b>	cobalt-chloroplatinate units	<b>ng</b>	nanogram(s)
<b>F</b>	degrees Fahrenheit	<b>NTU</b>	nephelometric turbidity units
<b>g</b>	gram(s)	<b>pg/L</b>	picogram/liter
<b>IU</b>	International Units	<b>RL</b>	Reporting Limit
<b>kg</b>	kilogram(s)	<b>TNTC</b>	Too Numerous To Count
<b>L</b>	liter(s)	<b>µg</b>	microgram(s)
<b>lb.</b>	pound(s)	<b>µL</b>	microliter(s)
<b>m3</b>	cubic meter(s)	<b>umhos/cm</b>	micromhos/cm
<b>meq</b>	milliequivalents	<b>MCL</b>	Maximum Contamination Limit
<b>mg</b>	milligram(s)		
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	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.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	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.