



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: May 19, 2020 15:55

Project: Hoosick Falls WTP

Account #: 37191
Group Number: 2098992
SDG: HOO45
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 Inluent Grab Drinking Water	05/07/2020 09:10	1311872
GAC Midfluent Grab Drinking Water	05/07/2020 09:15	1311873
GAC Effluent Grab Drinking Water	05/07/2020 09:20	1311874
PV-2 25 Grab Drinking Water	05/07/2020 09:35	1311875
PV-2 50 Grab Drinking Water	05/07/2020 09:40	1311876
PV-2 75 Grab Drinking Water	05/07/2020 09:45	1311877
FTB01-200507 Blank Water	05/07/2020 09:50	1311878
LTB01-200507 Blank Water	05/07/2020	1311879

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 #: 2098992

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 Inluent Grab Drinking Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: PW 1311872
ELLE Group #: 2098992
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submittal Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020 09:10
SDG#: HOO45-01

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	1.9 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 acid¹	375-85-9	15	1.9	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.9 U	1.9	1
14070	Perfluorohexanoic acid¹	307-24-4	13	1.9	1
14070	Perfluorononanoic acid ¹	375-95-1	1.9 U	1.9	1
14070	Perfluorooctanesulfonic acid	1763-23-1	3.3	1.9	1
14070	Perfluorooctanoic acid	335-67-1	520	19	10
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	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified					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	6.4 U	6.4	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	Perfluorooctanesulfonamide¹	754-91-6	3.3	1.8	1		
14473	Perfluoropentanoic acid¹	2706-90-3	3.3	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	20131004	05/13/2020 20:50	Mark Collare	1
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	20131004	05/13/2020 23:20	Mark Collare	10
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 18:08	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

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

C. T. Male Associates
ELLE Sample #: PW 1311873
ELLE Group #: 2098992
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020 09:15
SDG#: HOO45-02

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	1.7 U	1.7	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.7 U	1.7	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.7 U	1.7	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.7 U	1.7	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.7 U	1.7	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.7 U	1.7	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.7 U	1.7	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.7 U	1.7	1
14070	Perfluorononanoic acid ¹	375-95-1	1.7 U	1.7	1
14070	Perfluorooctanesulfonic acid	1763-23-1	1.7 U	1.7	1
14070	Perfluorooctanoic acid	335-67-1	1.7 U	1.7	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.7 U	1.7	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.7 U	1.7	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.7 U	1.7	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	4.2 U	4.2	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.5 U	2.5	1
14473	Perfluorobutanoic acid ¹	375-22-4	5.9 U	5.9	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.7 U	1.7	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.7 U	1.7	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.7 U	1.7	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.7 U	1.7	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	20131004	05/13/2020 21:01	Mark Collare	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 18:17	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

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

C. T. Male Associates
ELLE Sample #: PW 1311874
ELLE Group #: 2098992
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submittal Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020 09:20
SDG#: HOO45-03

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1					
14070	NEtFOSAA ¹ NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	1.7 U	1.7	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.7 U	1.7	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.7 U	1.7	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.7 U	1.7	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.7 U	1.7	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.7 U	1.7	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.7 U	1.7	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.7 U	1.7	1
14070	Perfluorononanoic acid ¹	375-95-1	1.7 U	1.7	1
14070	Perfluorooctanesulfonic acid	1763-23-1	1.7 U	1.7	1
14070	Perfluorooctanoic acid	335-67-1	1.7 U	1.7	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.7 U	1.7	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.7 U	1.7	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.7 U	1.7	1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1 Modified					
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	6.1 U	6.1	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.7 U	1.7	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.7 U	1.7	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.7 U	1.7	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.7 U	1.7	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	20131004	05/13/2020 21:13	Mark Collare	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 18:26	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

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

C. T. Male Associates
ELLE Sample #: PW 1311875
ELLE Group #: 2098992
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020 09:35
SDG#: HOO45-04

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	1.7 U	1.7	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.7 U	1.7	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.7 U	1.7	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.7 U	1.7	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.7 U	1.7	1
14070	Perfluoroheptanoic acid¹	375-85-9	9.2	1.7	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.7 U	1.7	1
14070	Perfluorohexanoic acid¹	307-24-4	11	1.7	1
14070	Perfluorononanoic acid ¹	375-95-1	1.7 U	1.7	1
14070	Perfluorooctanesulfonic acid	1763-23-1	1.7 U	1.7	1
14070	Perfluorooctanoic acid	335-67-1	220	17	10
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.7 U	1.7	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.7 U	1.7	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.7 U	1.7	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 acid ¹	375-22-4	6.3 U	6.3	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	3.1	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	20131004	05/13/2020 21:24	Mark Collare	1
14070	14 PFAS Drinking Water List	EPA 537 Version 1.1	1	20131004	05/13/2020 23:31	Mark Collare	10
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 18:35	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

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

C. T. Male Associates
ELLE Sample #: PW 1311876
ELLE Group #: 2098992
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submittal Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020 09:40
SDG#: HOO45-05

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 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 acid¹	307-24-4	2.9	1.8	1
14070	Perfluorononanoic acid ¹	375-95-1	1.8 U	1.8	1
14070	Perfluorooctanesulfonic acid	1763-23-1	1.8 U	1.8	1
14070	Perfluorooctanoic acid	335-67-1	4.4	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 acid ¹	375-22-4	6.3 U	6.3	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	2.4	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	20131004	05/13/2020 21:36	Mark Collare	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 18:44	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

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

C. T. Male Associates
ELLE Sample #: PW 1311877
ELLE Group #: 2098992
Matrix: Drinking Water

Project Name: Hoosick Falls WTP

Submission Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020 09:45
SDG#: HOO45-06

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	1.7 U	1.7	1
14070	NMeFOSAA ¹ NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	1.7 U	1.7	1
14070	Perfluorobutanesulfonic acid ¹	375-73-5	1.7 U	1.7	1
14070	Perfluorodecanoic acid ¹	335-76-2	1.7 U	1.7	1
14070	Perfluorododecanoic acid ¹	307-55-1	1.7 U	1.7	1
14070	Perfluoroheptanoic acid ¹	375-85-9	1.7 U	1.7	1
14070	Perfluorohexanesulfonic acid ¹	355-46-4	1.7 U	1.7	1
14070	Perfluorohexanoic acid ¹	307-24-4	1.7 U	1.7	1
14070	Perfluorononanoic acid ¹	375-95-1	1.7 U	1.7	1
14070	Perfluorooctanesulfonic acid	1763-23-1	1.7 U	1.7	1
14070	Perfluorooctanoic acid	335-67-1	1.7 U	1.7	1
14070	Perfluorotetradecanoic acid ¹	376-06-7	1.7 U	1.7	1
14070	Perfluorotridecanoic acid ¹	72629-94-8	1.7 U	1.7	1
14070	Perfluoroundecanoic acid ¹	2058-94-8	1.7 U	1.7	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	4.3 U	4.3	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.6 U	2.6	1
14473	Perfluorobutanoic acid¹	375-22-4	6.2	6.1	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.7 U	1.7	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.7 U	1.7	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.7 U	1.7	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.7 U	1.7	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	20131004	05/13/2020 21:47	Mark Collare	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 18:53	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

Sample Description: FTB01-200507 Blank Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: WW 1311878
ELLE Group #: 2098992
Matrix: Blank Water

Project Name: Hoosick Falls WTP

Submittal Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020 09:50
SDG#: HOO45-07FB

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	4.2 U	4.2	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.5 U	2.5	1
14473	Perfluorobutanoic acid ¹	375-22-4	5.8 U	5.8	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.7 U	1.7	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.7 U	1.7	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.7 U	1.7	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.7 U	1.7	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	20131004	05/13/2020 21:59	Mark Collare	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 19:02	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

Sample Description: LTB01-200507 Blank Water
Hoosick Falls Water Treatment Plant

C. T. Male Associates
ELLE Sample #: WW 1311879
ELLE Group #: 2098992
Matrix: Blank Water

Project Name: Hoosick Falls WTP

Submittal Date/Time: 05/08/2020 10:34
Collection Date/Time: 05/07/2020
SDG#: HOO45-08TB

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	4.1 U	4.1	1
14473	8:2-Fluorotelomersulfonic acid ¹	39108-34-4	2.5 U	2.5	1
14473	Perfluorobutanoic acid ¹	375-22-4	5.8 U	5.8	1
14473	Perfluorodecanesulfonic acid ¹	335-77-3	1.7 U	1.7	1
14473	Perfluoroheptanesulfonic acid ¹	375-92-8	1.7 U	1.7	1
14473	Perfluorooctanesulfonamide ¹	754-91-6	1.7 U	1.7	1
14473	Perfluoropentanoic acid ¹	2706-90-3	1.7 U	1.7	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	20131004	05/13/2020 22:22	Mark Collare	1
14473	7 PFAS Compounds	EPA 537 Version 1.1 Modified	1	20131006	05/12/2020 19:20	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20131004	05/11/2020 06:48	Katherine Mora	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	20131006	05/11/2020 07:27	Carmen Rodriguez	1

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 05/19/2020 15:55

Group Number: 2098992

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: 20131004	Sample number(s): 1311872-1311879	
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
Batch number: 20131006	Sample number(s): 1311872-1311879	
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

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: 20131004	Sample number(s): 1311872-1311879								
NEtFOSAA	20.48	21.55	20.48	22.54	105	110	70-130	4	30
NMeFOSAA	20.48	21.22	20.48	23.34	104	114	70-130	10	30
Perfluorobutanesulfonic acid	17.4	19.17	17.4	20.54	110	118	70-130	7	30
Perfluorodecanoic acid	20.48	18.29	20.48	21.77	89	106	70-130	17	30
Perfluorododecanoic acid	20.48	19.14	20.48	19.74	93	96	70-130	3	30
Perfluoroheptanoic acid	20.48	20.05	20.48	22.16	98	108	70-130	10	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: 05/19/2020 15:55

Group Number: 2098992

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
Perfluorohexanesulfonic acid	18.68	19.7	18.68	20.78	105	111	70-130	5	30
Perfluorohexanoic acid	20.48	18.73	20.48	21.47	91	105	70-130	14	30
Perfluorononanoic acid	20.48	19.83	20.48	22.21	97	108	70-130	11	30
Perfluorooctanesulfonic acid	18.96	20.22	18.96	21.08	107	111	70-130	4	30
Perfluorooctanoic acid	20.48	21	20.48	23.3	103	114	70-130	10	30
Perfluorotetradecanoic acid	20.48	20.56	20.48	22.75	100	111	70-130	10	30
Perfluorotridecanoic acid	20.48	18.23	20.48	19.53	89	95	70-130	7	30
Perfluoroundecanoic acid	20.48	19.23	20.48	20.88	94	102	70-130	8	30
Batch number: 20131006	Sample number(s): 1311872-1311879								
6:2-Fluorotelomersulfonic acid	24.28	25.18	24.28	24.87	104	102	56-140	1	30
8:2-Fluorotelomersulfonic acid	24.52	25.52	24.52	25.63	104	105	58-143	0	30
Perfluorobutanoic acid	25.6	22.78	25.6	23.1	89	90	63-160	1	30
Perfluorodecanesulfonic acid	24.64	22.21	24.64	22.72	90	92	62-135	2	30
Perfluoroheptanesulfonic acid	24.36	25.01	24.36	24.32	103	100	67-138	3	30
Perfluorooctanesulfonamide	25.6	26.51	25.6	25.75	104	101	67-126	3	30
Perfluoropentanoic acid	25.6	25.41	25.6	26.19	99	102	73-135	3	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 14 PFAS Drinking Water List
Batch number: 20131004

	13C2-PFHxA	13C2-PFDA	D5-NetFOSAA
1311872	104	108	91
1311873	102	100	108
1311874	96	107	103
1311875	109	110	108
1311876	96	99	102
1311877	100	106	110
1311878	103	108	103
1311879	104	106	110
Blank	83	85	91
LCS	88	92	101
LCSD	100	99	104
Limits:	70-130	70-130	70-130

Analysis Name: 7 PFAS Compounds
Batch number: 20131006

*- 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: 05/19/2020 15:55

Group Number: 2098992

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: 20131006

	13C4-PFBA	13C5-PFPeA	13C3-PFHxS	13C2-6:2-FTS	13C8-PFOS	13C2-8:2-FTS
1311872	81	80	98	85	83	82
1311873	89	84	84	95	79	97
1311874	87	84	84	92	85	93
1311875	93	88	101	94	96	95
1311876	86	86	85	92	91	97
1311877	88	87	86	94	87	93
1311878	92	88	89	97	86	99
1311879	91	87	89	101	86	102
Blank	89	89	92	96	90	97
LCS	88	89	83	93	90	87
LCSD	98	90	94	105	93	98
Limits:	43-130	38-150	35-143	29-182	52-121	37-169

	13C8-PFOSA
1311872	68
1311873	81
1311874	86
1311875	82
1311876	87
1311877	83
1311878	81
1311879	83
Blank	80
LCS	85
LCSD	87
Limits:	10-134

*- 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 #: 1090992

Sample #: 1311072-79

COC#: 20028

Client: C.T. Male Associates		Site ID:		Matrix		Analyses Requested										For Lab Use Only					
Project Name/#: Hoosick Falls WTP		P.O. #: 14.4756		Ground <input type="checkbox"/> Surface <input type="checkbox"/>		Preservation and Filtration Codes										SF#: 303216					
Project Manager: Kirk Moline		Quote #: 219169		Potable <input checked="" type="checkbox"/> NPDES <input type="checkbox"/>												SCR#: 258472					
Sampler: <i>C. Ormsby</i>		For Compliance:		Soil <input type="checkbox"/> Water <input type="checkbox"/> Other: <i>Resident Water</i>												Preservation Codes					
Phone #:		Yes <input type="checkbox"/> No <input type="checkbox"/>		Total # of Containers												H = HCl T = Thiosulfate					
State where sample(s) were collected: NY				7 PFAS (EPA 537 mod.)												N = HNO ₃ B = NaOH					
				14 PFAS (EPA 537 ver. 1.1)												S = H ₂ SO ₄ P = H ₃ PO ₄					
																O = Other Z = Trizma					
																Remarks					
Sample Identification		Date	Time	Grab	Composite	Soil	Water	Other	Total # of Containers	7 PFAS (EPA 537 mod.)	14 PFAS (EPA 537 ver. 1.1)										
<i>GAC Influent</i>		<i>5/17/20</i>	<i>0910</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>8</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<i>GAC Midfluent</i>		<i>5/17/20</i>	<i>0915</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<i>GAC Effluent</i>		<i>5/17/20</i>	<i>0920</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<i>PV-2 25</i>		<i>5/17/20</i>	<i>0935</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<i>PV-2 50</i>		<i>5/17/20</i>	<i>0940</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<i>PV-2 75</i>		<i>5/17/20</i>	<i>0945</i>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<i>FTB 01-260507</i>		<i>5/17/20</i>	<i>0950</i>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<i>4</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
<i>FTB</i>																					
<i>LTB 01-260507</i>		<i>5/17/20</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 checked="" type="checkbox"/> RUSH <input type="checkbox"/>				Relinquished by: <i>[Signature]</i>		Date: <i>5/17/20</i>	Time:	Received by:	Date:	Time:											
(RUSH TAT is subject to Eurofins Lancaster Laboratories approval and surcharges.)				Relinquished by:		Date:	Time:	Received by:	Date:	Time:											
Date results are needed:				Relinquished by:		Date:	Time:	Received by:	Date:	Time:											
E-mail address to send RUSH results:				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"/>				Relinquished by:		Date:	Time:	Received by:	Date:	Time:											
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>				Relinquished by:		Date:	Time:	Received by:	Date:	Time:											
Type IV (CLP SOW) <input type="checkbox"/> ASP Type A <input type="checkbox"/>				Relinquished by:		Date:	Time:	Received by:	Date:	Time:											
Type VI (Raw Data Only) <input type="checkbox"/> ASP Type B <input checked="" type="checkbox"/>				Relinquished by:		Date:	Time:	Received by:	Date:	Time:											
EDD Format: EQUIS				Relinquished by:		Date:	Time:	Received by:	Date:	Time:											
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>1.4</i> °C													
				UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other <input type="checkbox"/>																	



Client: C.T. Male Associates

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Date: 05/08/2020
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: NY

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:	See Below
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Trip Blank Type(s): 2-250 mL bottles (Trizma), 2-250 mL bottles (Unpre)

Unpacked by Melvin Sanchez

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	DT42-03	1.4	DT	Wet	Y	Loose/Bag	N

General Comments: Received 4 PFAS Batch QC for sample GAC Influent.

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.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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 less than the LOQ
K2	Continuing Calibration Blank is above the QC limit and the sample result is less than the LOQ
K3	Initial Calibration Verification is above the QC limit and the sample result is less than the LOQ
K4	Continuing Calibration Verification is above the QC limit and the sample result is less than the LOQ
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.