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REVISED

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: February 12, 2018 13:36

Project: SGPP - McCaffrey Street

Account #: 37191
Group Number: 1899095
SDG: SMC27
PO Number: 14.4756
State of Sample Origin: NY

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

Respectfully Submitted,

Nancy Jean Bornholm
Principal Specialist

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
SG1-Influent-180118 Grab Drinking Water	01/18/2018 09:45	9415920
SG1-Midfluent-180118 Grab Drinking Water	01/18/2018 09:50	9415921
SG1-Midfluent-180118 MS Grab Drinking Water	01/18/2018 09:50	9415922
SG1-Midfluent-180118 MSD Grab Drinking Water	01/18/2018 09:50	9415923
SG1-Effluent-180118 Grab Drinking Water	01/18/2018 10:00	9415924
SG1-FD01-180118 Grab Drinking Water	01/18/2018	9415925
SG1-FTB03-180118 Grab Blank Water	01/18/2018 14:30	9415926
SG1-LTB03-180118 Blank Water	01/18/2018	9415927

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

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Project Name: SGPP - McCaffrey Street
ELLE Group #: 1899095

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 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.

For dual column analyses, the surrogate (for multi-surrogate tests, at least one surrogate) must be within the acceptance limits on at least one of the two columns.

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

Analysis Specific Comments:

EPA 537 Version 1.1 Modified, Misc. Organics

Sample #s: 9415920, 9415921, 9415922, 9415923, 9415924, 9415925, 9415926, 9415927

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Batch #: 18025001 (Sample number(s): 9415920-9415927 UNSPK: 9415921)

The recovery(ies) for one or more surrogates exceeded the acceptance window indicating a positive bias for sample(s) 9415920, 9415921, 9415922, 9415923, 9415925, 9415927, Blank, LCS, MS, MSD

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Analysis Report

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Sample Description: **SG1-Influent-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:45
SDG#: SMC27-01

C. T. Male Associates
ELLE Sample #: PW 9415920
ELLE Group #: 1899095
Matrix: Drinking Water

CAT No.	Analysis Name	CAS Number	Result		Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**		**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	9	U	9	1
14473	8:2 fluorotelomersulfonate	39108-34-4	6	U	6	1
14473	NEtFOSAA	2991-50-6	3	U	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	3	U	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	**Perfluorobutanesulfonate**	375-73-5	**1**		1	1
14473	Perfluorobutanoic acid	375-22-4	6	U	6	1
14473	Perfluorodecanesulfonate	335-77-3	2	U	2	1
14473	Perfluorodecanoic acid	335-76-2	2	U	2	1
14473	Perfluorododecanoic acid	307-55-1	1	U	1	1
14473	Perfluoroheptanesulfonate	375-92-8	2	U	2	1
14473	**Perfluoroheptanoic acid**	375-85-9	**12**		1	1
14473	Perfluorohexanesulfonate	355-46-4	2	U	2	1
14473	**Perfluorohexanoic acid**	307-24-4	**12**		2	1
14473	Perfluorononanoic acid	375-95-1	2	U	2	1
14473	Perfluorooctanesulfonamide	754-91-6	3	U	3	1
14473	**Perfluoro-octanesulfonate**	1763-23-1	**4**		2	1
14473	**Perfluorooctanoic acid**	335-67-1	**440**		10	10
14473	Perfluoropentanoic acid	2706-90-3	6	U	6	1
14473	Perfluorotetradecanoic acid	376-06-7	1	U	1	1
14473	Perfluorotridecanoic acid	72629-94-8	1	U	1	1
14473	Perfluoroundecanoic acid	2058-94-8	2	U	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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Analysis Report

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Sample Description: **SG1-Influent-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:45
SDG#: SMC27-01

C. T. Male Associates
ELLE Sample #: PW 9415920
ELLE Group #: 1899095
Matrix: Drinking Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 12:41	Mark Makowiecki	1
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/02/2018 08:53	Devon M Whooley	10
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

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Sample Description: **SG1-Midfluent-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:50
SDG#: SMC27-02BKG

C. T. Male Associates
ELLE Sample #: PW 9415921
ELLE Group #: 1899095
Matrix: Drinking Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	8 U	8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	6 U	6	1
14473	NEtFOSAA	2991-50-6	3 U	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.				
14473	NMeFOSAA	2355-31-9	3 U	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.				
14473	Perfluorobutanesulfonate	375-73-5	0.9 U	0.9	1
14473	Perfluorobutanoic acid	375-22-4	6 U	6	1
14473	Perfluorodecanesulfonate	335-77-3	2 U	2	1
14473	Perfluorodecanoic acid	335-76-2	2 U	2	1
14473	Perfluorododecanoic acid	307-55-1	0.9 U	0.9	1
14473	Perfluoroheptanesulfonate	375-92-8	2 U	2	1
14473	Perfluoroheptanoic acid	375-85-9	0.9 U	0.9	1
14473	Perfluorohexanesulfonate	355-46-4	2 U	2	1
14473	Perfluorohexanoic acid	307-24-4	2 U	2	1
14473	Perfluorononanoic acid	375-95-1	2 U	2	1
14473	Perfluorooctanesulfonamide	754-91-6	3 U	3	1
14473	Perfluoro-octanesulfonate	1763-23-1	2 U	2	1
14473	Perfluorooctanoic acid	335-67-1	0.9 U	0.9	1
14473	Perfluoropentanoic acid	2706-90-3	6 U	6	1
14473	Perfluorotetradecanoic acid	376-06-7	0.9 U	0.9	1
14473	Perfluorotridecanoic acid	72629-94-8	0.9 U	0.9	1
14473	Perfluoroundecanoic acid	2058-94-8	2 U	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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Sample Description: **SG1-Midfluent-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:50
SDG#: SMC27-02BKG

C. T. Male Associates
ELLE Sample #: PW 9415921
ELLE Group #: 1899095
Matrix: Drinking Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 13:02	Mark Makowiecki	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

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Sample Description: **SG1-Midfluent-180118 MS Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:50
SDG#: SMC27-02MS

C. T. Male Associates
ELLE Sample #: PW 9415922
ELLE Group #: 1899095
Matrix: Drinking Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	
14473	**6:2 fluorotelomersulfonate**	27619-97-2	**13**	8	1
14473	**8:2 fluorotelomersulfonate**	39108-34-4	**12**	6	1
14473	**NEtFOSAA**	2991-50-6	**4**	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.				
14473	**NMeFOSAA**	2355-31-9	**5**	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.				
14473	**Perfluorobutanesulfonate**	375-73-5	**4**	0.9	1
14473	**Perfluorobutanoic acid**	375-22-4	**10**	6	1
14473	**Perfluorodecanesulfonate**	335-77-3	**4**	2	1
14473	**Perfluorodecanoic acid**	335-76-2	**4**	2	1
14473	**Perfluorododecanoic acid**	307-55-1	**4**	0.9	1
14473	**Perfluoroheptanesulfonate**	375-92-8	**4**	2	1
14473	**Perfluoroheptanoic acid**	375-85-9	**5**	0.9	1
14473	**Perfluorohexanesulfonate**	355-46-4	**4**	2	1
14473	**Perfluorohexanoic acid**	307-24-4	**5**	2	1
14473	**Perfluorononanoic acid**	375-95-1	**5**	2	1
14473	**Perfluorooctanesulfonamide**	754-91-6	**5**	3	1
14473	**Perfluoro-octanesulfonate**	1763-23-1	**4**	2	1
14473	**Perfluorooctanoic acid**	335-67-1	**5**	0.9	1
14473	**Perfluoropentanoic acid**	2706-90-3	**6**	6	1
14473	**Perfluorotetradecanoic acid**	376-06-7	**5**	0.9	1
14473	**Perfluorotridecanoic acid**	72629-94-8	**4**	0.9	1
14473	**Perfluoroundecanoic acid**	2058-94-8	**5**	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Analysis Report

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Sample Description: **SG1-Midfluent-180118 MS Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:50
SDG#: SMC27-02MS

C. T. Male Associates
ELLE Sample #: PW 9415922
ELLE Group #: 1899095
Matrix: Drinking Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 11:19	Mark Makowiecki	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

REVISED

Sample Description: **SG1-Midfluent-180118 MSD Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:50
SDG#: SMC27-02MSD

C. T. Male Associates
ELLE Sample #: PW 9415923
ELLE Group #: 1899095
Matrix: Drinking Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	
14473	**6:2 fluorotelomersulfonate**	27619-97-2	**15**	9	1
14473	**8:2 fluorotelomersulfonate**	39108-34-4	**13**	6	1
14473	**NEtFOSAA**	2991-50-6	**5**	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.				
14473	**NMeFOSAA**	2355-31-9	**5**	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.				
14473	**Perfluorobutanesulfonate**	375-73-5	**4**	1	1
14473	**Perfluorobutanoic acid**	375-22-4	**10**	6	1
14473	**Perfluorodecanesulfonate**	335-77-3	**4**	2	1
14473	**Perfluorodecanoic acid**	335-76-2	**5**	2	1
14473	**Perfluorododecanoic acid**	307-55-1	**5**	1	1
14473	**Perfluoroheptanesulfonate**	375-92-8	**5**	2	1
14473	**Perfluoroheptanoic acid**	375-85-9	**5**	1	1
14473	**Perfluorohexanesulfonate**	355-46-4	**5**	2	1
14473	**Perfluorohexanoic acid**	307-24-4	**6**	2	1
14473	**Perfluorononanoic acid**	375-95-1	**6**	2	1
14473	**Perfluorooctanesulfonamide**	754-91-6	**6**	3	1
14473	**Perfluoro-octanesulfonate**	1763-23-1	**5**	2	1
14473	**Perfluorooctanoic acid**	335-67-1	**5**	1	1
14473	**Perfluoropentanoic acid**	2706-90-3	**7**	6	1
14473	**Perfluorotetradecanoic acid**	376-06-7	**5**	1	1
14473	**Perfluorotridecanoic acid**	72629-94-8	**4**	1	1
14473	**Perfluoroundecanoic acid**	2058-94-8	**5**	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

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Sample Description: **SG1-Midfluent-180118 MSD Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 09:50
SDG#: SMC27-02MSD

C. T. Male Associates
ELLE Sample #: PW 9415923
ELLE Group #: 1899095
Matrix: Drinking Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 11:40	Mark Makowiecki	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

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Sample Description: **SG1-Effluent-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 10:00
SDG#: SMC27-03

C. T. Male Associates
ELLE Sample #: PW 9415924
ELLE Group #: 1899095
Matrix: Drinking Water

CAT No.	Analysis Name	CAS Number	Result		Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**		**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	9	U	9	1
14473	8:2 fluorotelomersulfonate	39108-34-4	6	U	6	1
14473	NEtFOSAA	2991-50-6	3	U	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	3	U	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	1	U	1	1
14473	Perfluorobutanoic acid	375-22-4	6	U	6	1
14473	Perfluorodecanesulfonate	335-77-3	2	U	2	1
14473	Perfluorodecanoic acid	335-76-2	2	U	2	1
14473	Perfluorododecanoic acid	307-55-1	1	U	1	1
14473	Perfluoroheptanesulfonate	375-92-8	2	U	2	1
14473	Perfluoroheptanoic acid	375-85-9	1	U	1	1
14473	Perfluorohexanesulfonate	355-46-4	2	U	2	1
14473	Perfluorohexanoic acid	307-24-4	2	U	2	1
14473	Perfluorononanoic acid	375-95-1	2	U	2	1
14473	Perfluorooctanesulfonamide	754-91-6	3	U	3	1
14473	Perfluoro-octanesulfonate	1763-23-1	2	U	2	1
14473	Perfluorooctanoic acid	335-67-1	1	U	1	1
14473	Perfluoropentanoic acid	2706-90-3	6	U	6	1
14473	Perfluorotetradecanoic acid	376-06-7	1	U	1	1
14473	Perfluorotridecanoic acid	72629-94-8	1	U	1	1
14473	Perfluoroundecanoic acid	2058-94-8	2	U	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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Analysis Report

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Sample Description: **SG1-Effluent-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 10:00
SDG#: SMC27-03

C. T. Male Associates
ELLE Sample #: PW 9415924
ELLE Group #: 1899095
Matrix: Drinking Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 13:23	Mark Makowiecki	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

REVISED

Sample Description: **SG1-FD01-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018
SDG#: SMC27-04FD

C. T. Male Associates
ELLE Sample #: PW 9415925
ELLE Group #: 1899095
Matrix: Drinking Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**	**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	8 U	8	1
14473	8:2 fluorotelomersulfonate	39108-34-4	6 U	6	1
14473	NEtFOSAA	2991-50-6	3 U	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.				
14473	NMeFOSAA	2355-31-9	3 U	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.				
14473	Perfluorobutanesulfonate	375-73-5	0.9 U	0.9	1
14473	Perfluorobutanoic acid	375-22-4	6 U	6	1
14473	Perfluorodecanesulfonate	335-77-3	2 U	2	1
14473	Perfluorodecanoic acid	335-76-2	2 U	2	1
14473	Perfluorododecanoic acid	307-55-1	0.9 U	0.9	1
14473	Perfluoroheptanesulfonate	375-92-8	2 U	2	1
14473	Perfluoroheptanoic acid	375-85-9	0.9 U	0.9	1
14473	Perfluorohexanesulfonate	355-46-4	2 U	2	1
14473	Perfluorohexanoic acid	307-24-4	2 U	2	1
14473	Perfluorononanoic acid	375-95-1	2 U	2	1
14473	Perfluorooctanesulfonamide	754-91-6	3 U	3	1
14473	Perfluoro-octanesulfonate	1763-23-1	2 U	2	1
14473	Perfluorooctanoic acid	335-67-1	0.9 U	0.9	1
14473	Perfluoropentanoic acid	2706-90-3	6 U	6	1
14473	Perfluorotetradecanoic acid	376-06-7	0.9 U	0.9	1
14473	Perfluorotridecanoic acid	72629-94-8	0.9 U	0.9	1
14473	Perfluoroundecanoic acid	2058-94-8	2 U	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

REVISED

Sample Description: **SG1-FD01-180118 Grab Drinking Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018
SDG#: SMC27-04FD

C. T. Male Associates
ELLE Sample #: PW 9415925
ELLE Group #: 1899095
Matrix: Drinking Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 13:43	Mark Makowiecki	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

REVISED

Sample Description: **SG1-FTB03-180118 Grab Blank Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 14:30
SDG#: SMC27-05TB

C. T. Male Associates
ELLE Sample #: WW 9415926
ELLE Group #: 1899095
Matrix: Blank Water

CAT No.	Analysis Name	CAS Number	Result		Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**		**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	9	U	9	1
14473	8:2 fluorotelomersulfonate	39108-34-4	6	U	6	1
14473	NEtFOSAA	2991-50-6	3	U	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	3	U	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	1	U	1	1
14473	Perfluorobutanoic acid	375-22-4	6	U	6	1
14473	Perfluorodecanesulfonate	335-77-3	2	U	2	1
14473	Perfluorodecanoic acid	335-76-2	2	U	2	1
14473	Perfluorododecanoic acid	307-55-1	1	U	1	1
14473	Perfluoroheptanesulfonate	375-92-8	2	U	2	1
14473	Perfluoroheptanoic acid	375-85-9	1	U	1	1
14473	Perfluorohexanesulfonate	355-46-4	2	U	2	1
14473	Perfluorohexanoic acid	307-24-4	2	U	2	1
14473	Perfluorononanoic acid	375-95-1	2	U	2	1
14473	Perfluorooctanesulfonamide	754-91-6	3	U	3	1
14473	Perfluoro-octanesulfonate	1763-23-1	2	U	2	1
14473	Perfluorooctanoic acid	335-67-1	1	U	1	1
14473	Perfluoropentanoic acid	2706-90-3	6	U	6	1
14473	Perfluorotetradecanoic acid	376-06-7	1	U	1	1
14473	Perfluorotridecanoic acid	72629-94-8	1	U	1	1
14473	Perfluoroundecanoic acid	2058-94-8	2	U	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

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Analysis Report

REVISED

Sample Description: **SG1-FTB03-180118 Grab Blank Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018 14:30
SDG#: SMC27-05TB

C. T. Male Associates
ELLE Sample #: WW 9415926
ELLE Group #: 1899095
Matrix: Blank Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 14:04	Mark Makowiecki	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

REVISED

Sample Description: **SG1-LTB03-180118 Blank Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018
SDG#: SMC27-06TB

C. T. Male Associates
ELLE Sample #: WW 9415927
ELLE Group #: 1899095
Matrix: Blank Water

CAT No.	Analysis Name	CAS Number	Result		Limit of Quantitation	Dilution Factor
Misc. Organics	**EPA 537 Version 1.1 Modified**		**ng/l**		**ng/l**	
14473	6:2 fluorotelomersulfonate	27619-97-2	9	U	9	1
14473	8:2 fluorotelomersulfonate	39108-34-4	6	U	6	1
14473	NEtFOSAA	2991-50-6	3	U	3	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14473	NMeFOSAA	2355-31-9	3	U	3	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14473	Perfluorobutanesulfonate	375-73-5	1	U	1	1
14473	Perfluorobutanoic acid	375-22-4	6	U	6	1
14473	Perfluorodecanesulfonate	335-77-3	2	U	2	1
14473	Perfluorodecanoic acid	335-76-2	2	U	2	1
14473	Perfluorododecanoic acid	307-55-1	1	U	1	1
14473	Perfluoroheptanesulfonate	375-92-8	2	U	2	1
14473	Perfluoroheptanoic acid	375-85-9	1	U	1	1
14473	Perfluorohexanesulfonate	355-46-4	2	U	2	1
14473	Perfluorohexanoic acid	307-24-4	2	U	2	1
14473	Perfluorononanoic acid	375-95-1	2	U	2	1
14473	Perfluorooctanesulfonamide	754-91-6	3	U	3	1
14473	Perfluoro-octanesulfonate	1763-23-1	2	U	2	1
14473	Perfluorooctanoic acid	335-67-1	1	U	1	1
14473	Perfluoropentanoic acid	2706-90-3	6	U	6	1
14473	Perfluorotetradecanoic acid	376-06-7	1	U	1	1
14473	Perfluorotridecanoic acid	72629-94-8	1	U	1	1
14473	Perfluoroundecanoic acid	2058-94-8	2	U	2	1

The recovery for the method blank surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

The LCS/LCSD surrogate(s) recovery is outside the QC acceptance limits as noted on the QC Summary. Since the recovery for the target analytes is compliant, the data is reported.

The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Since the recovery is high and no target analytes were detected, the data is reported.

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor

REVISED

Sample Description: **SG1-LTB03-180118 Blank Water**
SGPP - McCaffrey Street

Project Name: **SGPP - McCaffrey Street**

Submittal Date/Time: 01/19/2018 11:00
Collection Date/Time: 01/18/2018
SDG#: SMC27-06TB

C. T. Male Associates
ELLE Sample #: WW 9415927
ELLE Group #: 1899095
Matrix: Blank Water

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14473	21 PFAS Compounds	EPA 537 Version 1.1 Modified	1	18025001	02/01/2018 15:05	Mark Makowiecki	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	18025001	01/25/2018 07:10	Pamela Rothharpt	1

REVISED

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 02/12/2018 13:36

Group Number: 1899095

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 ng/l		LOQ ng/l
Batch number: 18025001	Sample number(s): 9415920-9415927		
6:2 fluorotelomersulfonate	9	U	9
8:2 fluorotelomersulfonate	6	U	6
NEtFOSAA	3	U	3
NMeFOSAA	3	U	3
Perfluorobutanesulfonate	1	U	1
Perfluorobutanoic acid	6	U	6
Perfluorodecanesulfonate	2	U	2
Perfluorodecanoic acid	2	U	2
Perfluorododecanoic acid	1	U	1
Perfluoroheptanesulfonate	2	U	2
Perfluoroheptanoic acid	1	U	1
Perfluorohexanesulfonate	2	U	2
Perfluorohexanoic acid	2	U	2
Perfluorononanoic acid	2	U	2
Perfluorooctanesulfonamide	3	U	3
Perfluoro-octanesulfonate	2	U	2
Perfluorooctanoic acid	1	U	1
Perfluoropentanoic acid	6	U	6
Perfluorotetradecanoic acid	1	U	1
Perfluorotridecanoic acid	1	U	1
Perfluoroundecanoic acid	2	U	2

LCS/LCSD

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
Batch number: 18025001	Sample number(s): 9415920-9415927								
6:2 fluorotelomersulfonate	15.17	12.86			85		70-130		
8:2 fluorotelomersulfonate	15.33	13.48			88		70-130		
NEtFOSAA	5.44	4.46			82		70-130		
NMeFOSAA	5.44	5.64			104		70-130		
Perfluorobutanesulfonate	4.81	4.28			89		70-130		
Perfluorobutanoic acid	5.44	5.00			92		70-130		
Perfluorodecanesulfonate	5.24	4.25			81		70-130		
Perfluorodecanoic acid	5.44	4.81			88		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.

REVISED

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 02/12/2018 13:36

Group Number: 1899095

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
Perfluorododecanoic acid	5.44	4.45			82		70-130		
Perfluoroheptanesulfonate	5.18	4.84			94		70-130		
Perfluoroheptanoic acid	5.44	4.87			89		70-130		
Perfluorohexanesulfonate	5.14	4.32			84		70-130		
Perfluorohexanoic acid	5.44	4.97			91		70-130		
Perfluorononanoic acid	5.44	5.57			102		70-130		
Perfluorooctanesulfonamide	5.44	5.48			101		70-130		
Perfluoro-octanesulfonate	5.20	4.83			93		70-130		
Perfluorooctanoic acid	5.44	4.76			87		70-130		
Perfluoropentanoic acid	5.44	5.05			93		70-130		
Perfluorotetradecanoic acid	5.44	4.92			90		70-130		
Perfluorotridecanoic acid	5.44	4.60			84		70-130		
Perfluoroundecanoic acid	5.44	5.24			96		70-130		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ng/l	MS Spike Added ng/l	MS Conc ng/l	MSD Spike Added ng/l	MSD Conc ng/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 18025001	Sample number(s): 9415920-9415927 UNSPK: 9415921									
6:2 fluorotelomersulfonate	8 U	14.23	12.51	14.43	14.94	88	104	70-130	18	30
8:2 fluorotelomersulfonate	6 U	14.38	12.18	14.58	13.36	85	92	70-130	9	30
NEtFOSAA	3 U	5.10	4.34	5.18	4.87	85	94	70-130	12	30
NMeFOSAA	3 U	5.10	4.59	5.18	5.18	90	100	70-130	12	30
Perfluorobutanesulfonate	0.9 U	4.51	4.21	4.58	4.29	93	94	70-130	2	30
Perfluorobutanoic acid	5.14	5.10	9.74	5.18	10.14	90	97	70-130	4	30
Perfluorodecanesulfonate	2 U	4.92	3.97	4.99	4.28	81	86	70-130	7	30
Perfluorodecanoic acid	2 U	5.10	4.41	5.18	5.09	86	98	70-130	14	30
Perfluorododecanoic acid	0.9 U	5.10	4.45	5.18	4.77	87	92	70-130	7	30
Perfluoroheptanesulfonate	2 U	4.86	4.44	4.92	4.64	92	94	70-130	4	30
Perfluoroheptanoic acid	0.9 U	5.10	4.83	5.18	5.23	95	101	70-130	8	30
Perfluorohexanesulfonate	2 U	4.83	3.90	4.89	4.76	81	97	70-130	20	30
Perfluorohexanoic acid	0.529	5.10	4.95	5.18	5.52	87	96	70-130	11	30
Perfluorononanoic acid	2 U	5.10	5.42	5.18	5.80	106	112	70-130	7	30
Perfluorooctanesulfonamide	3 U	5.10	4.96	5.18	5.86	97	113	70-130	17	30
Perfluoro-octanesulfonate	2 U	4.88	4.08	4.95	4.55	84	92	70-130	11	30
Perfluorooctanoic acid	0.9 U	5.10	4.70	5.18	4.99	92	96	70-130	6	30
Perfluoropentanoic acid	6 U	5.10	6.00	5.18	6.57	117	127	70-130	9	30
Perfluorotetradecanoic acid	0.9 U	5.10	4.52	5.18	4.65	89	90	70-130	3	30
Perfluorotridecanoic acid	0.9 U	5.10	4.46	5.18	4.45	87	86	70-130	0	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.

REVISED

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 02/12/2018 13:36

Group Number: 1899095

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ng/l	MS Spike Added ng/l	MS Conc ng/l	MSD Spike Added ng/l	MSD Conc ng/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Perfluoroundecanoic acid	2 U	5.10	4.64	5.18	5.20	91	100	70-130	11	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. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: 21 PFAS Compounds
Batch number: 18025001

	13C4-PFBA	13C5-PFPeA	13C3-PFBS	13C5-PFHxA	13C3-PFHxS	13C4-PFHpA
9415920	102	137*	165*	117	123	123
9415921	115	115	108	123	114	123
9415922	117	115	104	123	122	119
9415923	104	101	95	112	101	105
9415924	106	104	100	107	111	118
9415925	108	105	105	111	115	115
9415926	99	96	90	120	124	117
9415927	111	106	101	116	110	104
Blank	107	100	101	115	113	113
LCS	118	111	109	129*	127*	136*
MS	117	115	104	123	122	119
MSD	104	101	95	112	101	105
Limits:	33-123	39-135	26-148	31-128	34-126	35-126

	13C2-6:2-FTS	13C8-PFOA	13C8-PFOS	13C9-PFNA	13C6-PFDA	13C2-8:2-FTS
9415920	116	98	103	108	89	111
9415921	138	122*	120*	111	117*	113
9415922	134	124*	115	105	125*	126
9415923	114	116*	100	89	102	113
9415924	122	107	107	99	115	109
9415925	122	108	104	100	118*	114
9415926	113	106	103	103	110	101
9415927	136	113*	119*	114	139*	149*
Blank	135	119*	109	106	118*	126
LCS	154*	131*	105	108	123*	129
MS	134	124*	115	105	125*	126
MSD	114	116*	100	89	102	113

*- 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.

REVISED

Quality Control Summary

Client Name: C. T. Male Associates
Reported: 02/12/2018 13:36

Group Number: 1899095

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: 21 PFAS Compounds
Batch number: 18025001

Limits:	39-140	43-112	43-115	32-134	40-115	39-137
	d3-NMeFOSAA	13C7-PFUnDA	d5-NEtFOSAA	13C2-PFDoDA	13C2-PFTeDA	13C8-PFOSA
9415920	68	84	86	81	69	71
9415921	108	114	129	120	106	118
9415922	112	133*	136*	118	113	130
9415923	100	104	111	98	91	102
9415924	110	110	127	108	98	115
9415925	110	113	133	117	105	124
9415926	98	104	119	105	98	104
9415927	113	125	140*	116	111	114
Blank	114	109	119	105	96	107
LCS	98	113	125	108	100	114
MS	112	133*	136*	118	113	130
MSD	100	104	111	98	91	102
Limits:	17-120	30-128	21-135	28-127	26-119	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.

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Environmental Services Analysis Request/Chain of Custody

Acct. #: 37191 Group #: 1899095 Sample #: 9415920-27 COC#: 18409

Client: C.T. Male Associates			
Project Name/#: SGPP - ~~Liberty~~ McCaffrey Street	Site ID:		
Project Manager: Kirk Moline	P.O. #: ~~16.6132~~ 144756		
Sampler: CB, CO, RH, JC, JD, DK			
Phone #: 518-786-7400	Quote #: 214135		
State where sample(s) were collected: NY			

For Lab Use Only

SF#: 292959

SCR#: 218125

Preservation Codes

H = HCl; T = Thiosulfate; N = HNO_3; B = NaOH; S = H_2SO_4; P = H_3PO_4; O = Other

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Matrix: Sediment	Matrix: Drinking Water	Matrix: Potable	Matrix: Ground	Matrix: NPDES	Matrix: Surface	Matrix: Other: Rinse Water	Total # of Containers	TCL VOAs (8260C) + TICs (H)	Metals TAL (N)	TCL Pesticides (8081B)	PCBs (8082A)	TCL SVs (8270D) + TICs	CN (9012A) (B)	Cl-, SO4- (300.0)	TOC (5310 C) (P)	Alk, Bicarb, Carb. (2320 B)	24 PFAS (EPA 537 mod.)			Remarks
SG1-Influent-180118	1/18/18	0945	X						X				4										X			
SG1-MidEffluent-180118		0950	X						X				12										X			MS/MSD
SG1-Effluent-180118		1000	X						X				4										X			
SG1-FD01-180118		—	X						X				4										X			
SG1-FTB03-180118		1430	X									X	2										X			
SG1-LTB03-180118	1/18/18	—										X	2										X			

Turnaround Time Requested (TAT) (please check): Standard ☒ RUSH ☐

(RUSH TAT is subject to Eurofins Lancaster Laboratories approval and surcharges.)

Date results are needed:

E-mail address to send RUSH results: k.moline@ctmale.com

Data Package Options (please check if required)

Type I (Validation/non-CLP) ☐ MA MCP ☐ TX TRRP - 13 ☐

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type IV (CLP SOW) ☐ ASP Type A ☐

Type VI (Raw Data Only) ☐ ASP Type B ☑

EDD Format: EQuIS

If site-specific QC (MS/MSD/Dup) required, indicate QC samples and submit triplicate volume.

Relinquished by:	Date	Time	Received by:	Date	Time
	1/18/18	1640			
				1/19/18	1100

Airbill No.:

Relinquished by Commercial Carrier:

UPS _____ FedEx ✓ Other _____

Temperature upon receipt 2.1 °C

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Sample Administration Receipt Documentation Log

Doc Log ID: 206359

Group Number(s): 1899095

Client: C.T. MALE

Delivery and Receipt Information

Delivery Method:	Fed Ex	Arrival Timestamp:	01/19/2018 11:00
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:	No
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
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 Ruth Shank (12390) at 12:23 on 01/19/2018

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	32170023	2.1	IR	Wet	Y	Bagged	N

Sample Date/Time Discrepancy Details

Sample ID on COC	Date/Time on Label	Comments
SG1-MIDFLUENT-180118 (M/S; MSD)	1/18/2018 09:45	

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Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	**mg**	milligram(s)
C	degrees Celsius	**mL**	milliliter(s)
cfu	colony forming units	**MPN**	Most Probable Number
CP Units	cobalt-chloroplatinate units	**N.D.**	non-detect
F	degrees Fahrenheit	**ng**	nanogram(s)
g	gram(s)	**NTU**	nephelometric turbidity units
IU	International Units	**pg/L**	picogram/liter
kg	kilogram(s)	**RL**	Reporting Limit
L	liter(s)	**TNTC**	Too Numerous To Count
lb.	pound(s)	**µg**	microgram(s)
m3	cubic meter(s)	**µL**	microliter(s)
meq	milliequivalents	**umhos/cm**	micromhos/cm

<	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.

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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
J (or G, I, X)	Estimated value >= 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.
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.