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ANALYTICAL REPORT

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

Laboratory Job ID: 410-5191-1
Client Project/Site: Newberry System
Sampling Event: Newberry System

For:
SUEZ Water Environmental Services Inc
6310 Allentown Blvd
Suite 104
Harrisburg, Pennsylvania 17112

Attn: Penny Bumbarger

Elizabeth M. Zanar

Authorized for release by:
7/14/2020 4:07:54 PM

Elizabeth Zanar, Project Manager
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Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

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

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Elizabeth Zanar
Project Manager
7/14/2020 4:07:54 PM

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Definitions/Glossary

Client: SUEZ Water Environmental Services Inc
Job ID: 410-5191-1
Project/Site: Newberry System

Qualifiers

LCMS

Qualifier	Qualifier Description
E	Result exceeded calibration range.

Glossary

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

Job ID: 410-5191-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-5191-1

Comments
No additional comments.

Receipt
The samples were received on 6/19/2020 4:15 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.5º C and 2.3º C.

LCMS
Method 537 DW: The following sample(s) were found to contain residual chlorine: EP 102 DuPont (410-5191-23), EP 101 Conley (410-5191-21).
These samples were voided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Client Sample ID: 002 Coppersmith Well — Lab Sample ID: 410-5191-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	16		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	7.0		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	8.3		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	6.7		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	7.7		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	60		17	4.2	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	78		17	4.2	ng/L	10		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - Coppersmith Well — Lab Sample ID: 410-5191-2

No Detections.

Client Sample ID: 302s DuPont Between Lead & Lag — Lab Sample ID: 410-5191-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	26		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	5.3		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.3		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	2.6		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	8.5		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	50		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	40		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - DuPont Between Lead & Lag — Lab Sample ID: 410-5191-6

No Detections.

Client Sample ID: 302s DuPont Lead Vessel Halfway Port — Lab Sample ID: 410-5191-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	20		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	6.1		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.1		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	4.6		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	8.2		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	59		19	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	66		19	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - DuPont Lead Vessel Halfway Port — Lab Sample ID: 410-5191-8

No Detections.

Client Sample ID: 302s DuPont After Lag — Lab Sample ID: 410-5191-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	26		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.6		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	7.1		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	12		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	2.6		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - DuPont After Lag — Lab Sample ID: 410-5191-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Client Sample ID: 001 Playground Well — Lab Sample ID: 410-5191-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.1		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.5		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.6		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	13		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - Playground Well — Lab Sample ID: 410-5191-12

No Detections.

Client Sample ID: 005 Conley Well — Lab Sample ID: 410-5191-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	6.2		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.3		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	1.8		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	2.9		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	5.5		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - 005 Conley Well — Lab Sample ID: 410-5191-14

No Detections.

Client Sample ID: 301s Conley Between Lead & Lag — Lab Sample ID: 410-5191-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.5		1.6	0.41	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.4		1.6	0.41	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.9		1.6	0.41	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.0		1.6	0.41	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	2.6		1.6	0.41	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	2.7		1.6	0.41	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - Conley Between Lead & Lag — Lab Sample ID: 410-5191-16

No Detections.

Client Sample ID: 301s Conley Lead Vessel Halfway Port — Lab Sample ID: 410-5191-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	8.5		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.4		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.3		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.6		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.7		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	6.4		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - Conley Lead Vessel Halfway Port — Lab Sample ID: 410-5191-18

No Detections.

Client Sample ID: 301s Conley After Lag — Lab Sample ID: 410-5191-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.8		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 301s Conley After Lag (Continued)
Lab Sample ID: 410-5191-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	2.0		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: FB - Conley After Lag
Lab Sample ID: 410-5191-20

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: 002 Coppersmith Well
Lab Sample ID: 410-5191-1
Date Collected: 06/18/20 08:15
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**16**		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluoroheptanoic acid	**7.0**		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluorooctanoic acid	**8.3**		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluorononanoic acid	**6.7**		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluorodecanoic acid	<1.7		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluorotridecanoic acid	<1.7		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluorotetradecanoic acid	<1.7		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluorobutanesulfonic acid	**7.7**		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
NEtFOSAA	<1.7		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
NMeFOSAA	<1.7		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluoroundecanoic acid	<1.7		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1
Perfluorododecanoic acid	<1.7		1.7	0.42	ng/L		06/22/20 09:43	06/24/20 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*95*		*70 - 130*	*06/22/20 09:43*	*06/24/20 20:10*	*1*
13C2 PFDA	*105*		*70 - 130*	*06/22/20 09:43*	*06/24/20 20:10*	*1*
13C2 PFHxA	*102*		*70 - 130*	*06/22/20 09:43*	*06/24/20 20:10*	*1*

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	**60**		17	4.2	ng/L		06/22/20 09:43	06/26/20 12:01	10
Perfluorooctanesulfonic acid	**78**		17	4.2	ng/L		06/22/20 09:43	06/26/20 12:01	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*06/22/20 09:43*	*06/26/20 12:01*	*10*
13C2 PFDA	*85*		*70 - 130*	*06/22/20 09:43*	*06/26/20 12:01*	*10*
13C2 PFHxA	*87*		*70 - 130*	*06/22/20 09:43*	*06/26/20 12:01*	*10*

Client Sample ID: FB - Coppersmith Well
Lab Sample ID: 410-5191-2
Date Collected: 06/18/20 08:15
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		06/22/20 09:43	06/24/20 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*06/22/20 09:43*	*06/24/20 20:19*	*1*

Client Sample ID: FB - Coppersmith Well
Lab Sample ID: 410-5191-2
Date Collected: 06/18/20 08:15
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	*104*		*70 - 130*	*06/22/20 09:43*	*06/24/20 20:19*	*1*
13C2 PFHxA	*98*		*70 - 130*	*06/22/20 09:43*	*06/24/20 20:19*	*1*

Client Sample ID: 302s DuPont Between Lead & Lag
Lab Sample ID: 410-5191-5
Date Collected: 06/18/20 08:35
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**26**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluoroheptanoic acid	**5.3**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorooctanoic acid	**5.3**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorononanoic acid	**2.6**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorobutanesulfonic acid	**8.5**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorohexanesulfonic acid	**50**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorooctanesulfonic acid	**40**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 00:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	*94*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:36*	*1*
13C2 PFDA	*95*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:36*	*1*
13C2 PFHxA	*98*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:36*	*1*

Client Sample ID: FB - DuPont Between Lead & Lag
Lab Sample ID: 410-5191-6
Date Collected: 06/18/20 08:35
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 00:48	1

Client Sample ID: FB - DuPont Between Lead & Lag
Lab Sample ID: 410-5191-6
Date Collected: 06/18/20 08:35
Matrix: Potable Water
Date Received: 06/19/20 16:15

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:48*	*1*
13C2 PFDA	*96*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:48*	*1*
13C2 PFHxA	*100*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:48*	*1*

Client Sample ID: 302s DuPont Lead Vessel Halfway Port
Lab Sample ID: 410-5191-7
Date Collected: 06/18/20 08:40
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**20**		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluoroheptanoic acid	**6.1**		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluorooctanoic acid	**7.1**		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluorononanoic acid	**4.6**		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluorodecanoic acid	<1.9		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluorotridecanoic acid	<1.9		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluorotetradecanoic acid	<1.9		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluorobutanesulfonic acid	**8.2**		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
NEtFOSAA	<1.9		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
NMeFOSAA	<1.9		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluoroundecanoic acid	<1.9		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1
Perfluorododecanoic acid	<1.9		1.9	0.46	ng/L		06/26/20 08:11	07/01/20 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:59*	*1*
13C2 PFDA	*91*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:59*	*1*
13C2 PFHxA	*100*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:59*	*1*

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	**59**		19	4.6	ng/L		06/26/20 08:11	07/01/20 04:04	10
Perfluorooctanesulfonic acid	**66**		19	4.6	ng/L		06/26/20 08:11	07/01/20 04:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*77*		*70 - 130*	*06/26/20 08:11*	*07/01/20 04:04*	*10*
13C2 PFDA	*79*		*70 - 130*	*06/26/20 08:11*	*07/01/20 04:04*	*10*
13C2 PFHxA	*85*		*70 - 130*	*06/26/20 08:11*	*07/01/20 04:04*	*10*

Client Sample ID: FB - DuPont Lead Vessel Halfway Port
Lab Sample ID: 410-5191-8
Date Collected: 06/18/20 08:40
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1

Client Sample ID: FB - DuPont Lead Vessel Halfway Port
Lab Sample ID: 410-5191-8
Date Collected: 06/18/20 08:40
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:11*	*1*
13C2 PFDA	*89*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:11*	*1*
13C2 PFHxA	*96*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:11*	*1*

Client Sample ID: 302s DuPont After Lag
Lab Sample ID: 410-5191-9
Date Collected: 06/18/20 08:30
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**26**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluoroheptanoic acid	**2.6**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorobutanesulfonic acid	**7.1**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorohexanesulfonic acid	**12**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorooctanesulfonic acid	**2.6**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*92*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:22*	*1*
13C2 PFDA	*86*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:22*	*1*
13C2 PFHxA	*95*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:22*	*1*

Client Sample ID: FB - DuPont After Lag
Lab Sample ID: 410-5191-10
Date Collected: 06/18/20 08:30
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1

Client Sample ID: FB - DuPont After Lag
Lab Sample ID: 410-5191-10
Date Collected: 06/18/20 08:30
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*93*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:34*	*1*
13C2 PFDA	*94*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:34*	*1*
13C2 PFHxA	*96*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:34*	*1*

Client Sample ID: 001 Playground Well
Lab Sample ID: 410-5191-11
Date Collected: 06/18/20 09:30
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**9.1**		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluoroheptanoic acid	**2.9**		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorooctanoic acid	**7.5**		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorobutanesulfonic acid	**2.6**		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorohexanesulfonic acid	**4.9**		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorooctanesulfonic acid	**13**		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*85*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:45*	*1*
13C2 PFDA	*91*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:45*	*1*
13C2 PFHxA	*97*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:45*	*1*

Client Sample ID: FB - Playground Well
Lab Sample ID: 410-5191-12
Date Collected: 06/18/20 09:30
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1

Client Sample ID: FB - Playground Well
Lab Sample ID: 410-5191-12
Date Collected: 06/18/20 09:30
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 01:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:57*	*1*
13C2 PFDA	*100*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:57*	*1*
13C2 PFHxA	*106*		*70 - 130*	*06/26/20 08:11*	*07/01/20 01:57*	*1*

Client Sample ID: 005 Conley Well
Lab Sample ID: 410-5191-13
Date Collected: 06/18/20 09:35
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**6.2**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorooctanoic acid	**3.3**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorobutanesulfonic acid	**1.8**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorohexanesulfonic acid	**2.9**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorooctanesulfonic acid	**5.5**		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		06/26/20 08:11	07/01/20 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:09*	*1*
13C2 PFDA	*94*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:09*	*1*
13C2 PFHxA	*101*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:09*	*1*

Client Sample ID: FB - 005 Conley Well
Lab Sample ID: 410-5191-14
Date Collected: 06/18/20 09:35
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1

Client: SUEZ Water Environmental Services Inc
Job ID: 410-5191-1
Project/Site: Newberry System

Client Sample ID: FB - 005 Conley Well
Lab Sample ID: 410-5191-14
Date Collected: 06/18/20 09:35
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/26/20 08:11	07/01/20 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*101*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:20*	*1*
13C2 PFDA	*111*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:20*	*1*
13C2 PFHxA	*105*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:20*	*1*

Client Sample ID: 301s Conley Between Lead & Lag
Lab Sample ID: 410-5191-15
Date Collected: 06/18/20 09:15
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**9.5**		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluoroheptanoic acid	**2.4**		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorooctanoic acid	**3.9**		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorononanoic acid	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorodecanoic acid	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorotridecanoic acid	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorotetradecanoic acid	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorobutanesulfonic acid	**3.0**		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorohexanesulfonic acid	**2.6**		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorooctanesulfonic acid	**2.7**		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
NEtFOSAA	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
NMeFOSAA	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluoroundecanoic acid	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1
Perfluorododecanoic acid	<1.6		1.6	0.41	ng/L		06/26/20 08:11	07/01/20 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:43*	*1*
13C2 PFDA	*95*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:43*	*1*
13C2 PFHxA	*99*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:43*	*1*

Client Sample ID: FB - Conley Between Lead & Lag
Lab Sample ID: 410-5191-16
Date Collected: 06/18/20 09:15
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluoroheptanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorooctanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1

Client Sample ID: FB - Conley Between Lead & Lag
Lab Sample ID: 410-5191-16
Date Collected: 06/18/20 09:15
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*94*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:55*	*1*
13C2 PFDA	*95*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:55*	*1*
13C2 PFHxA	*99*		*70 - 130*	*06/26/20 08:11*	*07/01/20 02:55*	*1*

Client Sample ID: 301s Conley Lead Vessel Halfway Port
Lab Sample ID: 410-5191-17
Date Collected: 06/18/20 09:20
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**8.5**		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluoroheptanoic acid	**2.4**		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorooctanoic acid	**5.3**		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorobutanesulfonic acid	**2.6**		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorohexanesulfonic acid	**3.7**		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorooctanesulfonic acid	**6.4**		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		06/26/20 08:11	07/01/20 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*83*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:06*	*1*
13C2 PFDA	*92*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:06*	*1*
13C2 PFHxA	*91*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:06*	*1*

Client Sample ID: FB - Conley Lead Vessel Halfway Port
Lab Sample ID: 410-5191-18
Date Collected: 06/18/20 09:20
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluoroheptanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorooctanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1

Client Sample ID: FB - Conley Lead Vessel Halfway Port
Lab Sample ID: 410-5191-18
Date Collected: 06/18/20 09:20
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorodecanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorotridecanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorotetradecanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
NEtFOSAA	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
NMeFOSAA	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluoroundecanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1
Perfluorododecanoic acid	<2.0		2.0	0.49	ng/L		06/26/20 08:11	07/01/20 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:18*	*1*
13C2 PFDA	*98*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:18*	*1*
13C2 PFHxA	*97*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:18*	*1*

Client Sample ID: 301s Conley After Lag
Lab Sample ID: 410-5191-19
Date Collected: 06/18/20 09:10
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**7.8**		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluoroheptanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorooctanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorononanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorodecanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorotridecanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorotetradecanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorobutanesulfonic acid	**2.0**		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
NEtFOSAA	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
NMeFOSAA	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluoroundecanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1
Perfluorododecanoic acid	<1.7		1.7	0.42	ng/L		06/26/20 08:11	07/01/20 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*95*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:29*	*1*
13C2 PFDA	*96*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:29*	*1*
13C2 PFHxA	*103*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:29*	*1*

Client Sample ID: FB - Conley After Lag
Lab Sample ID: 410-5191-20
Date Collected: 06/18/20 09:10
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluoroheptanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1

Client: SUEZ Water Environmental Services Inc
Job ID: 410-5191-1
Project/Site: Newberry System

Client Sample ID: FB - Conley After Lag
Lab Sample ID: 410-5191-20
Date Collected: 06/18/20 09:10
Matrix: Potable Water
Date Received: 06/19/20 16:15

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		06/26/20 08:11	07/01/20 03:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*94*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:41*	*1*
13C2 PFDA	*89*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:41*	*1*
13C2 PFHxA	*95*		*70 - 130*	*06/26/20 08:11*	*07/01/20 03:41*	*1*

Surrogate Summary

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Matrix: Drinking Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	d5NEFOS (70-130)	PFDA (70-130)	PFHxA (70-130)
410-5191-1	002 Coppersmith Well	95	105	102
410-5191-1 - DL	002 Coppersmith Well	89	85	87
410-5191-5	302s DuPont Between Lead & Lag	94	95	98
410-5191-7	302s DuPont Lead Vessel Halfway Port	91	91	100
410-5191-7 - DL	302s DuPont Lead Vessel Halfway Port	77	79	85
410-5191-9	302s DuPont After Lag	92	86	95
410-5191-11	001 Playground Well	85	91	97
410-5191-13	005 Conley Well	89	94	101
410-5191-15	301s Conley Between Lead & Lag	89	95	99
410-5191-17	301s Conley Lead Vessel Halfway Port	83	92	91
410-5191-19	301s Conley After Lag	95	96	103
LCS 410-15310/2-A	Lab Control Sample	96	105	105
LCSD 410-15310/3-A	Lab Control Sample Dup	99	105	103
LLCS 410-17005/2-A	Lab Control Sample	100	100	105
LLCSD 410-17005/3-A	Lab Control Sample Dup	94	102	104
MB 410-15310/1-A	Method Blank	102	106	106
MB 410-17005/1-A	Method Blank	114	116	121

Surrogate Legend

d5NEFOS = d5-NEtFOSAA
PFDA = 13C2 PFDA
PFHxA = 13C2 PFHxA

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Matrix: Potable Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	d5NEFOS (70-130)	PFDA (70-130)	PFHxA (70-130)
410-5191-2	FB - Coppersmith Well	96	104	98
410-5191-6	FB - DuPont Between Lead & Lag	93	96	100
410-5191-8	FB - DuPont Lead Vessel Halfway Port	93	89	96
410-5191-10	FB - DuPont After Lag	93	94	96
410-5191-12	FB - Playground Well	96	100	106
410-5191-14	FB - 005 Conley Well	101	111	105
410-5191-16	FB - Conley Between Lead & Lag	94	95	99
410-5191-18	FB - Conley Lead Vessel Halfway Port	89	98	97
410-5191-20	FB - Conley After Lag	94	89	95

Surrogate Legend

d5NEFOS = d5-NEtFOSAA
PFDA = 13C2 PFDA
PFHxA = 13C2 PFHxA

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Lab Sample ID: MB 410-15310/1-A
Matrix: Drinking Water
Analysis Batch: 16264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 15310

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		06/22/20 09:43	06/24/20 17:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*102*		*70 - 130*	*06/22/20 09:43*	*06/24/20 17:53*	*1*
13C2 PFDA	*106*		*70 - 130*	*06/22/20 09:43*	*06/24/20 17:53*	*1*
13C2 PFHxA	*106*		*70 - 130*	*06/22/20 09:43*	*06/24/20 17:53*	*1*

Lab Sample ID: LCS 410-15310/2-A
Matrix: Drinking Water
Analysis Batch: 16264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 15310

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	80.0	80.8	E	ng/L		101	70 - 130
Perfluoroheptanoic acid	80.0	75.5		ng/L		94	70 - 130
Perfluorooctanoic acid	80.0	76.5		ng/L		96	70 - 130
Perfluorononanoic acid	80.0	81.1	E	ng/L		101	70 - 130
Perfluorodecanoic acid	80.0	78.7		ng/L		98	70 - 130
Perfluorotridecanoic acid	80.0	80.2	E	ng/L		100	70 - 130
Perfluorotetradecanoic acid	80.0	78.1		ng/L		98	70 - 130
Perfluorobutanesulfonic acid	70.8	67.0		ng/L		95	70 - 130
Perfluorohexanesulfonic acid	73.0	69.6		ng/L		95	70 - 130
Perfluorooctanesulfonic acid	74.0	70.6		ng/L		95	70 - 130
NEtFOSAA	80.0	73.1		ng/L		91	70 - 130
NMeFOSAA	80.0	75.4		ng/L		94	70 - 130
Perfluoroundecanoic acid	80.0	82.3	E	ng/L		103	70 - 130
Perfluorododecanoic acid	80.0	83.2	E	ng/L		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*96*		*70 - 130*
13C2 PFDA	*105*		*70 - 130*
13C2 PFHxA	*105*		*70 - 130*

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Lab Sample ID: LCSD 410-15310/3-A
Matrix: Drinking Water
Analysis Batch: 16264

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 15310

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	80.0	E	ng/L		100	70 - 130	1	30
Perfluoroheptanoic acid			80.0	76.5		ng/L		96	70 - 130	1	30
Perfluorooctanoic acid			80.0	76.4		ng/L		95	70 - 130	0	30
Perfluorononanoic acid			80.0	80.5	E	ng/L		101	70 - 130	1	30
Perfluorodecanoic acid			80.0	79.4		ng/L		99	70 - 130	1	30
Perfluorotridecanoic acid			80.0	81.5	E	ng/L		102	70 - 130	2	30
Perfluorotetradecanoic acid			80.0	82.2	E	ng/L		103	70 - 130	5	30
Perfluorobutanesulfonic acid			70.8	69.0		ng/L		97	70 - 130	3	30
Perfluorohexanesulfonic acid			73.0	69.9		ng/L		96	70 - 130	0	30
Perfluorooctanesulfonic acid			74.0	70.5		ng/L		95	70 - 130	0	30
NEtFOSAA			80.0	75.3		ng/L		94	70 - 130	3	30
NMeFOSAA			80.0	76.3		ng/L		95	70 - 130	1	30
Perfluoroundecanoic acid			80.0	81.6	E	ng/L		102	70 - 130	1	30
Perfluorododecanoic acid			80.0	82.7	E	ng/L		103	70 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*99*		*70 - 130*
13C2 PFDA	*105*		*70 - 130*
13C2 PFHxA	*103*		*70 - 130*

Lab Sample ID: MB 410-17005/1-A
Matrix: Drinking Water
Analysis Batch: 18120

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		06/26/20 08:11	07/01/20 00:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*114*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:02*	*1*
13C2 PFDA	*116*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:02*	*1*
13C2 PFHxA	*121*		*70 - 130*	*06/26/20 08:11*	*07/01/20 00:02*	*1*

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1 (Continued)

Lab Sample ID: LLCS 410-17005/2-A
Matrix: Drinking Water
Analysis Batch: 18120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17005

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perfluorohexanoic acid			3.84	3.63		ng/L		94	50 - 150		
Perfluoroheptanoic acid			3.84	3.47		ng/L		90	50 - 150		
Perfluorooctanoic acid			3.84	3.54		ng/L		92	50 - 150		
Perfluorononanoic acid			3.84	3.47		ng/L		90	50 - 150		
Perfluorodecanoic acid			3.84	3.25		ng/L		85	50 - 150		
Perfluorotridecanoic acid			3.84	3.44		ng/L		89	50 - 150		
Perfluorotetradecanoic acid			3.84	3.41		ng/L		89	50 - 150		
Perfluorobutanesulfonic acid			3.40	3.04		ng/L		90	50 - 150		
Perfluorohexanesulfonic acid			3.50	3.18		ng/L		91	50 - 150		
Perfluorooctanesulfonic acid			3.55	3.40		ng/L		96	50 - 150		
NEtFOSAA			3.84	3.65		ng/L		95	50 - 150		
NMeFOSAA			3.84	3.63		ng/L		95	50 - 150		
Perfluoroundecanoic acid			3.84	3.51		ng/L		91	50 - 150		
Perfluorododecanoic acid			3.84	3.12		ng/L		81	50 - 150		

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
d5-NEtFOSAA	*100*		*70 - 130*
13C2 PFDA	*100*		*70 - 130*
13C2 PFHxA	*105*		*70 - 130*

Lab Sample ID: LLCSD 410-17005/3-A
Matrix: Drinking Water
Analysis Batch: 18120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17005

Analyte			Spike Added	LLCSD Result	LLCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			3.84	3.80		ng/L		99	50 - 150	5	30
Perfluoroheptanoic acid			3.84	3.46		ng/L		90	50 - 150	0.2	30
Perfluorooctanoic acid			3.84	3.51		ng/L		91	50 - 150	1	30
Perfluorononanoic acid			3.84	3.72		ng/L		97	50 - 150	7	30
Perfluorodecanoic acid			3.84	3.64		ng/L		95	50 - 150	11	30
Perfluorotridecanoic acid			3.84	3.51		ng/L		91	50 - 150	2	30
Perfluorotetradecanoic acid			3.84	3.70		ng/L		96	50 - 150	8	30
Perfluorobutanesulfonic acid			3.40	2.98		ng/L		88	50 - 150	2	30
Perfluorohexanesulfonic acid			3.50	3.18		ng/L		91	50 - 150	0.2	30
Perfluorooctanesulfonic acid			3.55	3.38		ng/L		95	50 - 150	0.7	30
NEtFOSAA			3.84	3.77		ng/L		98	50 - 150	3	30
NMeFOSAA			3.84	3.59		ng/L		94	50 - 150	1	30
Perfluoroundecanoic acid			3.84	3.90		ng/L		102	50 - 150	10	30
Perfluorododecanoic acid			3.84	3.41		ng/L		89	50 - 150	9	30

Surrogate	*LLCSD %Recovery*	*LLCSD Qualifier*	*Limits*
d5-NEtFOSAA	*94*		*70 - 130*
13C2 PFDA	*102*		*70 - 130*
13C2 PFHxA	*104*		*70 - 130*

LCMS

Prep Batch: 15310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5191-1 - DL	002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-1	002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-2	FB - Coppersmith Well	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-15310/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-15310/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-15310/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 16264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5191-1	002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	15310
410-5191-2	FB - Coppersmith Well	Total/NA	Potable Water	EPA 537 Ver 1.1	15310
MB 410-15310/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	15310
LCS 410-15310/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	15310
LCSD 410-15310/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	15310

Prep Batch: 17005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5191-5	302s DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-6	FB - DuPont Between Lead & Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-5191-7	302s DuPont Lead Vessel Halfway Port	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-7 - DL	302s DuPont Lead Vessel Halfway Port	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-8	FB - DuPont Lead Vessel Halfway Port	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-5191-9	302s DuPont After Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-10	FB - DuPont After Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-5191-11	001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-12	FB - Playground Well	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-5191-13	005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-14	FB - 005 Conley Well	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-5191-15	301s Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-16	FB - Conley Between Lead & Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-5191-17	301s Conley Lead Vessel Halfway Port	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-18	FB - Conley Lead Vessel Halfway Port	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-5191-19	301s Conley After Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-5191-20	FB - Conley After Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-17005/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-17005/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCSD 410-17005/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 17083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5191-1 - DL	002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	15310

Analysis Batch: 18120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5191-5	302s DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-6	FB - DuPont Between Lead & Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	17005
410-5191-7	302s DuPont Lead Vessel Halfway Port	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-7 - DL	302s DuPont Lead Vessel Halfway Port	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-8	FB - DuPont Lead Vessel Halfway Port	Total/NA	Potable Water	EPA 537 Ver 1.1	17005
410-5191-9	302s DuPont After Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-10	FB - DuPont After Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	17005

LCMS (Continued)

Analysis Batch: 18120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-5191-11	001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-12	FB - Playground Well	Total/NA	Potable Water	EPA 537 Ver 1.1	17005
410-5191-13	005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-14	FB - 005 Conley Well	Total/NA	Potable Water	EPA 537 Ver 1.1	17005
410-5191-15	301s Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-16	FB - Conley Between Lead & Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	17005
410-5191-17	301s Conley Lead Vessel Halfway Port	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-18	FB - Conley Lead Vessel Halfway Port	Total/NA	Potable Water	EPA 537 Ver 1.1	17005
410-5191-19	301s Conley After Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
410-5191-20	FB - Conley After Lag	Total/NA	Potable Water	EPA 537 Ver 1.1	17005
MB 410-17005/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
LLCS 410-17005/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005
LLCSD 410-17005/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	17005

Lab Chronicle

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Client Sample ID: 002 Coppersmith Well
Lab Sample ID: 410-5191-1
Date Collected: 06/18/20 08:15
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			15310	06/22/20 09:43	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	16264	06/24/20 20:10	Y6ZN	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		15310	06/22/20 09:43	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	17083	06/26/20 12:01	Y6ZN	ELLE

Client Sample ID: FB - Coppersmith Well
Lab Sample ID: 410-5191-2
Date Collected: 06/18/20 08:15
Matrix: Potable Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			15310	06/22/20 09:43	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	16264	06/24/20 20:19	Y6ZN	ELLE

Client Sample ID: 302s DuPont Between Lead & Lag
Lab Sample ID: 410-5191-5
Date Collected: 06/18/20 08:35
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 00:36	Y6ZN	ELLE

Client Sample ID: FB - DuPont Between Lead & Lag
Lab Sample ID: 410-5191-6
Date Collected: 06/18/20 08:35
Matrix: Potable Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 00:48	Y6ZN	ELLE

Client Sample ID: 302s DuPont Lead Vessel Halfway Port
Lab Sample ID: 410-5191-7
Date Collected: 06/18/20 08:40
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 00:59	Y6ZN	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	18120	07/01/20 04:04	Y6ZN	ELLE

Client Sample ID: FB - DuPont Lead Vessel Halfway Port
Lab Sample ID: 410-5191-8
Date Collected: 06/18/20 08:40
Matrix: Potable Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 01:11	Y6ZN	ELLE

Lab Chronicle

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Client Sample ID: 302s DuPont After Lag

Lab Sample ID: 410-5191-9
Matrix: Drinking Water
Date Collected: 06/18/20 08:30
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 01:22	Y6ZN	ELLE

Client Sample ID: FB - DuPont After Lag

Lab Sample ID: 410-5191-10
Matrix: Potable Water
Date Collected: 06/18/20 08:30
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 01:34	Y6ZN	ELLE

Client Sample ID: 001 Playground Well

Lab Sample ID: 410-5191-11
Matrix: Drinking Water
Date Collected: 06/18/20 09:30
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 01:45	Y6ZN	ELLE

Client Sample ID: FB - Playground Well

Lab Sample ID: 410-5191-12
Matrix: Potable Water
Date Collected: 06/18/20 09:30
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 01:57	Y6ZN	ELLE

Client Sample ID: 005 Conley Well

Lab Sample ID: 410-5191-13
Matrix: Drinking Water
Date Collected: 06/18/20 09:35
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 02:09	Y6ZN	ELLE

Client Sample ID: FB - 005 Conley Well

Lab Sample ID: 410-5191-14
Matrix: Potable Water
Date Collected: 06/18/20 09:35
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 02:20	Y6ZN	ELLE

Lab Chronicle

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Client Sample ID: 301s Conley Between Lead & Lag
Lab Sample ID: 410-5191-15
Date Collected: 06/18/20 09:15
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 02:43	Y6ZN	ELLE

Client Sample ID: FB - Conley Between Lead & Lag
Lab Sample ID: 410-5191-16
Date Collected: 06/18/20 09:15
Matrix: Potable Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 02:55	Y6ZN	ELLE

Client Sample ID: 301s Conley Lead Vessel Halfway Port
Lab Sample ID: 410-5191-17
Date Collected: 06/18/20 09:20
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 03:06	Y6ZN	ELLE

Client Sample ID: FB - Conley Lead Vessel Halfway Port
Lab Sample ID: 410-5191-18
Date Collected: 06/18/20 09:20
Matrix: Potable Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 03:18	Y6ZN	ELLE

Client Sample ID: 301s Conley After Lag
Lab Sample ID: 410-5191-19
Date Collected: 06/18/20 09:10
Matrix: Drinking Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 03:29	Y6ZN	ELLE

Client Sample ID: FB - Conley After Lag
Lab Sample ID: 410-5191-20
Date Collected: 06/18/20 09:10
Matrix: Potable Water
Date Received: 06/19/20 16:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			17005	06/26/20 08:11	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	18120	07/01/20 03:41	Y6ZN	ELLE

Laboratory References:
ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: SUEZ Water Environmental Services Inc
Job ID: 410-5191-1
Project/Site: Newberry System

Laboratory: Eurofins Lancaster Laboratories Env, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-21

Method Summary

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Method	Method Description	Protocol	Laboratory
EPA 537 Ver 1.1	EPA 537 Version 1.1	EPA	ELLE
EPA 537 Ver 1.1	EPA 537 Version 1.1	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: SUEZ Water Environmental Services Inc
Project/Site: Newberry System

Job ID: 410-5191-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-5191-1	002 Coppersmith Well	Drinking Water	06/18/20 08:15	06/19/20 16:15	
410-5191-2	FB - Coppersmith Well	Potable Water	06/18/20 08:15	06/19/20 16:15	
410-5191-5	302s DuPont Between Lead & Lag	Drinking Water	06/18/20 08:35	06/19/20 16:15	
410-5191-6	FB - DuPont Between Lead & Lag	Potable Water	06/18/20 08:35	06/19/20 16:15	
410-5191-7	302s DuPont Lead Vessel Halfway Port	Drinking Water	06/18/20 08:40	06/19/20 16:15	
410-5191-8	FB - DuPont Lead Vessel Halfway Port	Potable Water	06/18/20 08:40	06/19/20 16:15	
410-5191-9	302s DuPont After Lag	Drinking Water	06/18/20 08:30	06/19/20 16:15	
410-5191-10	FB - DuPont After Lag	Potable Water	06/18/20 08:30	06/19/20 16:15	
410-5191-11	001 Playground Well	Drinking Water	06/18/20 09:30	06/19/20 16:15	
410-5191-12	FB - Playground Well	Potable Water	06/18/20 09:30	06/19/20 16:15	
410-5191-13	005 Conley Well	Drinking Water	06/18/20 09:35	06/19/20 16:15	
410-5191-14	FB - 005 Conley Well	Potable Water	06/18/20 09:35	06/19/20 16:15	
410-5191-15	301s Conley Between Lead & Lag	Drinking Water	06/18/20 09:15	06/19/20 16:15	
410-5191-16	FB - Conley Between Lead & Lag	Potable Water	06/18/20 09:15	06/19/20 16:15	
410-5191-17	301s Conley Lead Vessel Halfway Port	Drinking Water	06/18/20 09:20	06/19/20 16:15	
410-5191-18	FB - Conley Lead Vessel Halfway Port	Potable Water	06/18/20 09:20	06/19/20 16:15	
410-5191-19	301s Conley After Lag	Drinking Water	06/18/20 09:10	06/19/20 16:15	
410-5191-20	FB - Conley After Lag	Potable Water	06/18/20 09:10	06/19/20 16:15	

Environmental Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 44297 Group # ____

410-5191 Chain of Custody

Client: **SUEZ WATER PA**

Project Name: Newberry System | Site ID #:

Project Manager: Elizabeth Zanar | P.O. #:

Sampler: Penny Bumbarger | PWSID #: 7670061

Phone #: 717-773-0185 | Quote #: 219948A

State where samples were collected: **PA** | For Compliance: Yes ☑ No ☐

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil	Sediment	Tissue	Potable Water	Ground	NPDES	Surface	Other: GAC Filtered Water	Total # of Containers	Analyses Requested: PFAS (14) 537 v 1.1	Preservation and Filtration Codes: O
002 Coppersmith Well	6/18/20	0815	X					X					2	X	
FB - Coppersmith Well	6/18/20	0815											2	X	
003 DuPont Well	6/18/20	0848	X					X					2	X	
FB - DuPont Well	6/18/20	0845											2	X	
302s DuPont Between Lead and Lag	6/18/20	0835	X									X	2	X	
FB - DuPont Between Lead and Lag	6/18/20	0835											2	X	
302s DuPont Lead Vessel Halfway Port	6/18/20	0840	X									X	2	X	
FB - DuPont Lead Vessel Halfway Port	6/18/20	0840											2	X	
302s DuPont After Lag	6/18/20	0830	X									X	2	X	
FB - DuPont After Lag	6/18/20	0830											2	X	

For Lab Use Only
SF #: _____
SCR #: _____

Preservation Codes
H = HCl | T = Thiosulfate
N = HNO_3 | B = NaOH
S = H_2SO_4 | P = H_3PO_4
F = Field Filtered | O = Other

Remarks: Monthly Compliance

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐
(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: penny.bumbarger@suez.com

Phone: 717-773-0185

Data Package Options (please check if required)

Type I (Validation/non-CLP)	☐	MA MCP	☐
Type III (Reduced non-CLP)	☐	CT RCP	☐
Type VI (Raw Data Only)	☐	TX TRRP-13	☐
NJ DKQP	☐	NYSDEC Category	☐ A or ☐ B

EDD Required? Yes ☐ No ☐ If yes, format: _____

Relinquished by:	Date	Time	Received by:	Date	Time
Penny Bumbarger	6/19/20	1145		6/19/20	1148
	6/19/20	1537			
				6/19/20	1615

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other X

Temperature upon receipt 2.3 °C

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7045 0717

Environmental Analysis Request/Chain of Custody

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Acct. # 44297 Group # _____ Sample # _____

Client: **SUEZ WATER PA**

Project Name: Newberry System | Site ID #:

Project Manager: Elizabeth Zanar | P.O. #:

Sampler: Penny Bumbarger | PWSID #: 7670061

Phone #: 717-773-0185 | Quote #: 219948A

State where samples were collected: PA | For Compliance: Yes ☑ No ☐

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil ☐ Sediment ☐ Tissue ☐	Matrix: Water ☑ Potable ☐ Ground ☐ NPDES ☐ Surface ☐	Matrix: Other: GAC Filtered Water	Total # of Containers	Analyses Requested: PFAS (14) 537 v 1.1	Preservation and Filtration Codes: O
001 Playground Well	6/18/20	0930	X			X		2	X	
FB - Playground Well	6/18/20	0930						2	X	
005 Conley Well	6/18/20	0935	X			X		2	X	
FB - Conley Well	6/18/20	0935						2	X	
301s Conley Between Lead and Lag	6/18/20	0915	X				X	2	X	
FB - Conley Between Lead and Lag	6/18/20	0915						2	X	
301s Conley Lead Vessel Halfway Port	6/18/20	0920	X				X	2	X	
FB - Conely Lead Vessel Halfway Port	6/18/20	0920						2	X	
301s Conley After Lag	6/18/20	0910	X				X	2	X	
FB - Conely After Lag	6/18/20	0910						2	X	

For Lab Use Only

SF #: _____

SCR #: _____

Preservation Codes

H = HCl | T = Thiosulfate

N = HNO_3 | B = NaOH

S = H_2SO_4 | P = H_3PO_4

F = Field Filtered | O = Other

Remarks: Monthly Compliance

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: penny.bumbarger@suez.com

Phone: 717-773-0185

Data Package Options (please check if required)

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

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☐ No ☐ If yes, format: _____

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Penny Bumbarger	6/19/20	1145		6/19/20	1148
2		6/19/20	1537			
3						
4						
5						
6	Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other X			Temperature upon receipt 2.3/1.5 °C		

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7045 0717

Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

Acct. # 44297 Group # _____ Sample # _____

Client: **SUEZ WATER PA**

Project Name: Newberry System | Site ID #:

Project Manager: Elizabeth Zanar | P.O. #:

Sampler: Penny Bumbarger | PWSID #: 7670061

Phone #: 717-773-0185 | Quote #: 219948A

State where samples were collected: **PA** | For Compliance: Yes ☑ No ☐

Sample Identification	Collection Date	Collection Time	Grab	Composite	Matrix: Soil ☐ Sediment ☐ Tissue ☐	Water: Potable ☐ Ground ☑ NPDES ☐ Surface ☐	Other: GAC Filtered Water	Total # of Containers	Analyses Requested: PFAS (14) 537 v 1.1	Preservation and Filtration Codes: O
EP 101 Conley	6/18/20	0905	X			X		2	X	
FB - EP 101 Conley	6/18/20	0905						2	X	
Batch QC Conley	6/18/20	0905								
EP 102 DuPont	6/18/20	0825	X			X		2	X	
FB - EP 102 DuPont	6/18/20	0825						2	X	
Batch QC DuPont	6/18/20	0825								

For Lab Use Only

SF #: _____

SCR #: _____

Preservation Codes

H = HCl | T = Thiosulfate

N = HNO_3 | B = NaOH

S = H_2SO_4 | P = H_3PO_4

F = Field Filtered | O = Other

Remarks

Monthly Compliance

Turnaround Time Requested (TAT) (please check): Standard ☑ Rush ☐

(Rush TAT is subject to laboratory approval and surcharges.)

Date results are needed:

Rush results requested by (please check): E-Mail ☑ Phone ☐

E-mail Address: penny.bumbarger@suez.com

Phone: 717-773-0185

Data Package Options (please check if required)

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

Type III (Reduced non-CLP) ☐ CT RCP ☐

Type VI (Raw Data Only) ☐ TX TRRP-13 ☐

NJ DKQP ☐ NYSDEC Category ☐ A or ☐ B

EDD Required? Yes ☐ No ☐ If yes, format: _____

Relinquished by:	Date	Time	Received by:	Date	Time
Penny Bumbarger	6/19/20	1145	[illegible]	6/19/20	1148
[illegible]	6/19/20	1537			
			[illegible]	10-19-20	1615

Relinquished by Commercial Carrier: UPS _____ FedEx _____ Other X

Temperature upon receipt 2.3/1.5 °C

QCM

NR

Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-5191-1

Login Number: 5191

List Source: Eurofins Lancaster Laboratories Env

List Number: 1

Creator: Colon Martinez, Jessenia C

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