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ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
2425 New Holland Pike
Lancaster, PA 17601
Tel: (717)656-2300

Laboratory Job ID: 410-29843-1
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:
3/1/2021 6:10:20 AM

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 results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· 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 is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
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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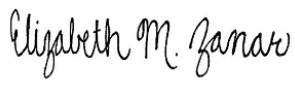

Elizabeth Zanar
Project Manager
3/1/2021 6:10:20 AM

Table of Contents

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 410-29843-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-29843-1

Receipt

The samples were received on 2/19/2021 2:26 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.9°C and 2.2°C

LCMS

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

Detection Summary

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

Job ID: 410-29843-1

Client Sample ID: 7670061 002 Coppersmith Well — Lab Sample ID: 410-29843-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	13		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	6.0		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.6		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	3.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.5		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	50		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	54		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 002 Coppersmith Well FB — Lab Sample ID: 410-29843-2

No Detections.

Client Sample ID: 7670061 003 DuPont Well — Lab Sample ID: 410-29843-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	5.5		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.4		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	4.3		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.6		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	52		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	58		17	4.4	ng/L	10		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 003 DuPont Well FB — Lab Sample ID: 410-29843-4

No Detections.

Client Sample ID: 7670061 302 DuPont Between Lead & Lag — Lab Sample ID: 410-29843-5

No Detections.

Client Sample ID: 7670061 302 DuPont After Lag Vessel — Lab Sample ID: 410-29843-7

No Detections.

Client Sample ID: 7670061 102 DuPont EP — Lab Sample ID: 410-29843-9

No Detections.

Client Sample ID: 7670061 001 Playground Well — Lab Sample ID: 410-29843-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.6		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.5		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	10		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 001 Playground Well FB — Lab Sample ID: 410-29843-12

No Detections.

Client Sample ID: 7670061 005 Conley Well — Lab Sample ID: 410-29843-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client Sample ID: 7670061 005 Conley Well (Continued) — Lab Sample ID: 410-29843-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid	3.6		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	5.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 005 Conley Well FB — Lab Sample ID: 410-29843-14

No Detections.

Client Sample ID: 7670061 301 Conley Between Lead & Lag — Lab Sample ID: 410-29843-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.8		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.5		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	6.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 301 Conley Between Lead & Lag FB — Lab Sample ID: 410-29843-16

No Detections.

Client Sample ID: 7670061 301 Conley After Lag Vessel — Lab Sample ID: 410-29843-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.6		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	4.0		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.4		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.1		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	2.0		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 301 Conley After Lag Vessel FB — Lab Sample ID: 410-29843-18

No Detections.

Client Sample ID: 7670061 101 Conley EP Grab Water — Lab Sample ID: 410-29843-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.7		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.8		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.3		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	1.9		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 101 Conley Field Blank Grab Water — Lab Sample ID: 410-29843-20

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 410-29843-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-29843-1

Date Collected: 02/16/21 10:55
Date Received: 02/19/21 14:26

Matrix: Drinking Water

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**13**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluoroheptanoic acid	**6.0**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorooctanoic acid	**6.6**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorononanoic acid	**3.9**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorobutanesulfonic acid	**6.5**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorohexanesulfonic acid	**50**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorooctanesulfonic acid	**54**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:19*	*1*
13C2 PFDA	*98*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:19*	*1*
13C2 PFHxA	*96*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:19*	*1*

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-29843-2

Date Collected: 02/16/21 10:55
Date Received: 02/19/21 14:26

Matrix: Potable Water

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		02/22/21 17:07	02/24/21 00:30	1
Perfluoroheptanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorooctanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		02/22/21 17:07	02/24/21 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*84*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:30*	*1*
13C2 PFDA	*85*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:30*	*1*
13C2 PFHxA	*90*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:30*	*1*

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-29843-3

Date Collected: 02/16/21 11:20

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**5.5**		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluoroheptanoic acid	**2.4**		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorooctanoic acid	**4.3**		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorobutanesulfonic acid	**4.6**		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorooctanesulfonic acid	**52**		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 00:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:41*	*1*
13C2 PFDA	*99*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:41*	*1*
13C2 PFHxA	*101*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:41*	*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	**58**		17	4.4	ng/L		02/22/21 17:07	02/26/21 13:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*02/22/21 17:07*	*02/26/21 13:49*	*10*
13C2 PFDA	*79*		*70 - 130*	*02/22/21 17:07*	*02/26/21 13:49*	*10*
13C2 PFHxA	*82*		*70 - 130*	*02/22/21 17:07*	*02/26/21 13:49*	*10*

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-29843-4

Date Collected: 02/16/21 11:20

Matrix: Potable Water

Date Received: 02/19/21 14:26

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		02/22/21 17:07	02/24/21 00:53	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 00:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*88*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:53*	*1*

Client Sample ID: 7670061 003 DuPont Well FB
Lab Sample ID: 410-29843-4

Date Collected: 02/16/21 11:20
Matrix: Potable Water
Date Received: 02/19/21 14:26

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFDA	*93*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:53*	*1*
13C2 PFHxA	*92*		*70 - 130*	*02/22/21 17:07*	*02/24/21 00:53*	*1*

Client Sample ID: 7670061 302 DuPont Between Lead & Lag
Lab Sample ID: 410-29843-5

Date Collected: 02/16/21 11:15
Matrix: Drinking Water
Date Received: 02/19/21 14:26

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		02/22/21 17:07	02/24/21 01:04	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*02/22/21 17:07*	*02/24/21 01:04*	*1*
13C2 PFDA	*94*		*70 - 130*	*02/22/21 17:07*	*02/24/21 01:04*	*1*
13C2 PFHxA	*90*		*70 - 130*	*02/22/21 17:07*	*02/24/21 01:04*	*1*

Client Sample ID: 7670061 302 DuPont After Lag Vessel
Lab Sample ID: 410-29843-7

Date Collected: 02/16/21 11:10
Matrix: Drinking Water
Date Received: 02/19/21 14:26

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		02/22/21 17:07	02/24/21 01:27	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:07	02/24/21 01:27	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel
Lab Sample ID: 410-29843-7

Date Collected: 02/16/21 11:10
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*02/22/21 17:07*	*02/24/21 01:27*	*1*
13C2 PFDA	*87*		*70 - 130*	*02/22/21 17:07*	*02/24/21 01:27*	*1*
13C2 PFHxA	*84*		*70 - 130*	*02/22/21 17:07*	*02/24/21 01:27*	*1*

Client Sample ID: 7670061 102 DuPont EP
Lab Sample ID: 410-29843-9

Date Collected: 02/16/21 11:05
Matrix: Drinking Water
Date Received: 02/19/21 14:26

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	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluoroheptanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorooctanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		02/22/21 17:07	02/24/21 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:02*	*1*
13C2 PFDA	*95*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:02*	*1*
13C2 PFHxA	*95*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:02*	*1*

Client Sample ID: 7670061 001 Playground Well
Lab Sample ID: 410-29843-11

Date Collected: 02/16/21 11:45
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**11**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluoroheptanoic acid	**3.2**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorooctanoic acid	**6.6**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorobutanesulfonic acid	**3.3**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorohexanesulfonic acid	**4.5**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorooctanesulfonic acid	**10**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:25	1

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-29843-11

Date Collected: 02/16/21 11:45

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*89*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:25*	*1*
13C2 PFDA	*85*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:25*	*1*
13C2 PFHxA	*88*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:25*	*1*

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-29843-12

Date Collected: 02/16/21 11:45

Matrix: Potable Water

Date Received: 02/19/21 14:26

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		02/22/21 17:07	02/24/21 02:36	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*100*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:36*	*1*
13C2 PFDA	*98*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:36*	*1*
13C2 PFHxA	*94*		*70 - 130*	*02/22/21 17:07*	*02/24/21 02:36*	*1*

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-29843-13

Date Collected: 02/16/21 11:50

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**9.9**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluoroheptanoic acid	**2.2**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorooctanoic acid	**3.6**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorobutanesulfonic acid	**2.4**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorohexanesulfonic acid	**3.4**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorooctanesulfonic acid	**5.3**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 02:48	1

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-29843-13

Date Collected: 02/16/21 11:50

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	100		70 - 130	02/22/21 17:07	02/24/21 02:48	1
13C2 PFDA	103		70 - 130	02/22/21 17:07	02/24/21 02:48	1
13C2 PFHxA	102		70 - 130	02/22/21 17:07	02/24/21 02:48	1

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-29843-14

Date Collected: 02/16/21 11:50

Matrix: Potable Water

Date Received: 02/19/21 14:26

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		02/22/21 17:07	02/24/21 02:59	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:07	02/24/21 02:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	98		70 - 130	02/22/21 17:07	02/24/21 02:59	1
13C2 PFDA	93		70 - 130	02/22/21 17:07	02/24/21 02:59	1
13C2 PFHxA	99		70 - 130	02/22/21 17:07	02/24/21 02:59	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-29843-15

Date Collected: 02/16/21 11:40

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**12**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluoroheptanoic acid	**3.2**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorooctanoic acid	**5.8**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorobutanesulfonic acid	**3.3**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorohexanesulfonic acid	**4.5**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorooctanesulfonic acid	**6.2**		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		02/22/21 17:07	02/24/21 03:10	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-29843-15

Date Collected: 02/16/21 11:40

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:10*	*1*
13C2 PFDA	*100*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:10*	*1*
13C2 PFHxA	*96*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:10*	*1*

Client Sample ID: 7670061 301 Conley Between Lead & Lag FB

Lab Sample ID: 410-29843-16

Date Collected: 02/16/21 11:40

Matrix: Potable Water

Date Received: 02/19/21 14:26

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	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*100*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:22*	*1*
13C2 PFDA	*95*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:22*	*1*
13C2 PFHxA	*96*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:22*	*1*

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-29843-17

Date Collected: 02/16/21 11:35

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**12**		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluoroheptanoic acid	**2.6**		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorooctanoic acid	**4.0**		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorobutanesulfonic acid	**3.4**		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorohexanesulfonic acid	**3.1**		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorooctanesulfonic acid	**2.0**		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		02/22/21 17:07	02/24/21 03:33	1

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-29843-17

Date Collected: 02/16/21 11:35

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*102*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:33*	*1*
13C2 PFDA	*98*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:33*	*1*
13C2 PFHxA	*99*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:33*	*1*

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-29843-18

Date Collected: 02/16/21 11:35

Matrix: Potable Water

Date Received: 02/19/21 14:26

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	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluoroheptanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorooctanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorononanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorodecanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorotridecanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorotetradecanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
NEtFOSAA	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
NMeFOSAA	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluoroundecanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1
Perfluorododecanoic acid	<1.9		1.9	0.49	ng/L		02/22/21 17:07	02/24/21 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*98*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:56*	*1*
13C2 PFDA	*97*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:56*	*1*
13C2 PFHxA	*95*		*70 - 130*	*02/22/21 17:07*	*02/24/21 03:56*	*1*

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-29843-19

Date Collected: 02/16/21 11:30

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	**12**		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluoroheptanoic acid	**2.7**		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorooctanoic acid	**3.8**		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorobutanesulfonic acid	**3.3**		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorohexanesulfonic acid	**2.9**		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorooctanesulfonic acid	**1.9**		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		02/22/21 17:20	02/24/21 15:10	1

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

Job ID: 410-29843-1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-29843-19

Date Collected: 02/16/21 11:30

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*97*		*70 - 130*	*02/22/21 17:20*	*02/24/21 15:10*	*1*
13C2 PFDA	*90*		*70 - 130*	*02/22/21 17:20*	*02/24/21 15:10*	*1*
13C2 PFHxA	*101*		*70 - 130*	*02/22/21 17:20*	*02/24/21 15:10*	*1*

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-29843-20

Date Collected: 02/16/21 11:30

Matrix: Potable Water

Date Received: 02/19/21 14:26

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		02/22/21 17:20	02/24/21 15:22	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		02/22/21 17:20	02/24/21 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*96*		*70 - 130*	*02/22/21 17:20*	*02/24/21 15:22*	*1*
13C2 PFDA	*89*		*70 - 130*	*02/22/21 17:20*	*02/24/21 15:22*	*1*
13C2 PFHxA	*102*		*70 - 130*	*02/22/21 17:20*	*02/24/21 15:22*	*1*

Surrogate Summary

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

Job ID: 410-29843-1

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)
410-29843-1	7670061 002 Coppersmith Well	91	98	96
410-29843-3	7670061 003 DuPont Well	97	99	101
410-29843-3 - DL	7670061 003 DuPont Well	89	79	82
410-29843-5	7670061 302 DuPont Between Lead & Lag	97	94	90
410-29843-7	7670061 302 DuPont After Lag Vessel	89	87	84
410-29843-9	7670061 102 DuPont EP	97	95	95
410-29843-11	7670061 001 Playground Well	89	85	88
410-29843-13	7670061 005 Conley Well	100	103	102
410-29843-15	7670061 301 Conley Between Lead & Lag	96	100	96
410-29843-17	7670061 301 Conley After Lag Vessel	102	98	99
410-29843-19	7670061 101 Conley EP Grab Water	97	90	101
LCS 410-96205/2-A	Lab Control Sample	89	98	92
LCS 410-96215/2-A	Lab Control Sample	81	92	100
LCSD 410-96205/3-A	Lab Control Sample Dup	90	97	95
LCSD 410-96215/3-A	Lab Control Sample Dup	85	93	105
LLCS 410-96205/4-A	Lab Control Sample	98	95	99
LLCS 410-96215/4-A	Lab Control Sample	92	91	102
MB 410-96205/1-A	Method Blank	102	97	97
MB 410-96215/1-A	Method Blank	91	89	103

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)
410-29843-2	7670061 002 Coppersmith Well FB	84	85	90
410-29843-4	7670061 003 DuPont Well FB	88	93	92
410-29843-12	7670061 001 Playground Well FB	100	98	94
410-29843-14	7670061 005 Conley Well FB	98	93	99
410-29843-16	7670061 301 Conley Between Lead & Lag FB	100	95	96
410-29843-18	7670061 301 Conley After Lag Vessel FB	98	97	95
410-29843-20	7670061 101 Conley Field Blank Grab Water	96	89	102

Surrogate Legend

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

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

Job ID: 410-29843-1

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Lab Sample ID: MB 410-96205/1-A
Matrix: Drinking Water
Analysis Batch: 96575

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:07	02/23/21 23:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*102*		*70 - 130*	*02/22/21 17:07*	*02/23/21 23:33*	*1*
13C2 PFDA	*97*		*70 - 130*	*02/22/21 17:07*	*02/23/21 23:33*	*1*
13C2 PFHxA	*97*		*70 - 130*	*02/22/21 17:07*	*02/23/21 23:33*	*1*

Lab Sample ID: LCS 410-96205/2-A
Matrix: Drinking Water
Analysis Batch: 96575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	80.0	69.5		ng/L		87	70 - 130
Perfluoroheptanoic acid	80.0	69.3		ng/L		87	70 - 130
Perfluorooctanoic acid	80.0	67.4		ng/L		84	70 - 130
Perfluorononanoic acid	80.0	67.8		ng/L		85	70 - 130
Perfluorodecanoic acid	80.0	64.4		ng/L		80	70 - 130
Perfluorotridecanoic acid	80.0	66.3		ng/L		83	70 - 130
Perfluorotetradecanoic acid	80.0	68.2		ng/L		85	70 - 130
Perfluorobutanesulfonic acid	70.8	61.7		ng/L		87	70 - 130
Perfluorohexanesulfonic acid	73.0	64.3		ng/L		88	70 - 130
Perfluorooctanesulfonic acid	74.0	63.9		ng/L		86	70 - 130
NEtFOSAA	80.0	70.8		ng/L		89	70 - 130
NMeFOSAA	80.0	69.2		ng/L		87	70 - 130
Perfluoroundecanoic acid	80.0	68.7		ng/L		86	70 - 130
Perfluorododecanoic acid	80.0	66.4		ng/L		83	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*89*		*70 - 130*
13C2 PFDA	*98*		*70 - 130*
13C2 PFHxA	*92*		*70 - 130*

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

Lab Sample ID: LCSD 410-96205/3-A
Matrix: Drinking Water
Analysis Batch: 96575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96205

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	66.1		ng/L		83	70 - 130	5	30
Perfluoroheptanoic acid			80.0	66.5		ng/L		83	70 - 130	4	30
Perfluorooctanoic acid			80.0	65.8		ng/L		82	70 - 130	2	30
Perfluorononanoic acid			80.0	66.8		ng/L		83	70 - 130	2	30
Perfluorodecanoic acid			80.0	68.2		ng/L		85	70 - 130	6	30
Perfluorotridecanoic acid			80.0	68.4		ng/L		86	70 - 130	3	30
Perfluorotetradecanoic acid			80.0	66.8		ng/L		83	70 - 130	2	30
Perfluorobutanesulfonic acid			70.8	60.4		ng/L		85	70 - 130	2	30
Perfluorohexanesulfonic acid			73.0	62.5		ng/L		86	70 - 130	3	30
Perfluorooctanesulfonic acid			74.0	62.6		ng/L		85	70 - 130	2	30
NEtFOSAA			80.0	70.2		ng/L		88	70 - 130	1	30
NMeFOSAA			80.0	70.5		ng/L		88	70 - 130	2	30
Perfluoroundecanoic acid			80.0	64.2		ng/L		80	70 - 130	7	30
Perfluorododecanoic acid			80.0	66.1		ng/L		83	70 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*90*		*70 - 130*
13C2 PFDA	*97*		*70 - 130*
13C2 PFHxA	*95*		*70 - 130*

Lab Sample ID: LLCS 410-96205/4-A
Matrix: Drinking Water
Analysis Batch: 96575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96205

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid			1.92	1.79	J	ng/L		93	50 - 150
Perfluoroheptanoic acid			1.92	1.86	J	ng/L		97	50 - 150
Perfluorooctanoic acid			1.92	1.75	J	ng/L		91	50 - 150
Perfluorononanoic acid			1.92	1.81	J	ng/L		94	50 - 150
Perfluorodecanoic acid			1.92	1.74	J	ng/L		91	50 - 150
Perfluorotridecanoic acid			1.92	1.80	J	ng/L		94	50 - 150
Perfluorotetradecanoic acid			1.92	1.76	J	ng/L		92	50 - 150
Perfluorobutanesulfonic acid			1.70	1.48	J	ng/L		87	50 - 150
Perfluorohexanesulfonic acid			1.75	1.61	J	ng/L		92	50 - 150
Perfluorooctanesulfonic acid			1.78	1.65	J	ng/L		93	50 - 150
NEtFOSAA			1.92	2.03		ng/L		106	50 - 150
NMeFOSAA			1.92	1.77	J	ng/L		92	50 - 150
Perfluoroundecanoic acid			1.92	1.62	J	ng/L		84	50 - 150
Perfluorododecanoic acid			1.92	1.71	J	ng/L		89	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
d5-NEtFOSAA	*98*		*70 - 130*
13C2 PFDA	*95*		*70 - 130*
13C2 PFHxA	*99*		*70 - 130*

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

Lab Sample ID: MB 410-96215/1-A
Matrix: Drinking Water
Analysis Batch: 96871

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 96215

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		02/22/21 17:20	02/24/21 14:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d5-NEtFOSAA	*91*		*70 - 130*	*02/22/21 17:20*	*02/24/21 14:24*	*1*
13C2 PFDA	*89*		*70 - 130*	*02/22/21 17:20*	*02/24/21 14:24*	*1*
13C2 PFHxA	*103*		*70 - 130*	*02/22/21 17:20*	*02/24/21 14:24*	*1*

Lab Sample ID: LCS 410-96215/2-A
Matrix: Drinking Water
Analysis Batch: 96871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	80.0	73.2		ng/L		91	70 - 130
Perfluoroheptanoic acid	80.0	74.6		ng/L		93	70 - 130
Perfluorooctanoic acid	80.0	70.5		ng/L		88	70 - 130
Perfluorononanoic acid	80.0	73.4		ng/L		92	70 - 130
Perfluorodecanoic acid	80.0	69.1		ng/L		86	70 - 130
Perfluorotridecanoic acid	80.0	66.6		ng/L		83	70 - 130
Perfluorotetradecanoic acid	80.0	65.0		ng/L		81	70 - 130
Perfluorobutanesulfonic acid	70.8	59.8		ng/L		84	70 - 130
Perfluorohexanesulfonic acid	73.0	66.6		ng/L		91	70 - 130
Perfluorooctanesulfonic acid	74.0	67.6		ng/L		91	70 - 130
NEtFOSAA	80.0	66.7		ng/L		83	70 - 130
NMeFOSAA	80.0	65.2		ng/L		82	70 - 130
Perfluoroundecanoic acid	80.0	68.9		ng/L		86	70 - 130
Perfluorododecanoic acid	80.0	69.4		ng/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
d5-NEtFOSAA	*81*		*70 - 130*
13C2 PFDA	*92*		*70 - 130*
13C2 PFHxA	*100*		*70 - 130*

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

Lab Sample ID: LCSD 410-96215/3-A
Matrix: Drinking Water
Analysis Batch: 96871

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 96215

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid			80.0	77.3		ng/L		97	70 - 130	5	30
Perfluoroheptanoic acid			80.0	77.3		ng/L		97	70 - 130	4	30
Perfluorooctanoic acid			80.0	72.9		ng/L		91	70 - 130	3	30
Perfluorononanoic acid			80.0	76.4		ng/L		96	70 - 130	4	30
Perfluorodecanoic acid			80.0	73.0		ng/L		91	70 - 130	5	30
Perfluorotridecanoic acid			80.0	66.9		ng/L		84	70 - 130	1	30
Perfluorotetradecanoic acid			80.0	68.3		ng/L		85	70 - 130	5	30
Perfluorobutanesulfonic acid			70.8	62.5		ng/L		88	70 - 130	4	30
Perfluorohexanesulfonic acid			73.0	68.8		ng/L		94	70 - 130	3	30
Perfluorooctanesulfonic acid			74.0	69.3		ng/L		94	70 - 130	3	30
NEtFOSAA			80.0	70.5		ng/L		88	70 - 130	5	30
NMeFOSAA			80.0	67.4		ng/L		84	70 - 130	3	30
Perfluoroundecanoic acid			80.0	65.2		ng/L		81	70 - 130	6	30
Perfluorododecanoic acid			80.0	68.8		ng/L		86	70 - 130	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
d5-NEtFOSAA	*85*		*70 - 130*
13C2 PFDA	*93*		*70 - 130*
13C2 PFHxA	*105*		*70 - 130*

Lab Sample ID: LLCS 410-96215/4-A
Matrix: Drinking Water
Analysis Batch: 96871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 96215

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid			1.92	1.76	J	ng/L		91	50 - 150
Perfluoroheptanoic acid			1.92	1.69	J	ng/L		88	50 - 150
Perfluorooctanoic acid			1.92	1.73	J	ng/L		90	50 - 150
Perfluorononanoic acid			1.92	1.81	J	ng/L		94	50 - 150
Perfluorodecanoic acid			1.92	1.59	J	ng/L		83	50 - 150
Perfluorotridecanoic acid			1.92	1.50	J	ng/L		78	50 - 150
Perfluorotetradecanoic acid			1.92	1.57	J	ng/L		82	50 - 150
Perfluorobutanesulfonic acid			1.70	1.47	J	ng/L		87	50 - 150
Perfluorohexanesulfonic acid			1.75	1.47	J	ng/L		84	50 - 150
Perfluorooctanesulfonic acid			1.78	1.66	J	ng/L		93	50 - 150
NEtFOSAA			1.92	1.76	J	ng/L		92	50 - 150
NMeFOSAA			1.92	1.72	J	ng/L		89	50 - 150
Perfluoroundecanoic acid			1.92	1.53	J	ng/L		79	50 - 150
Perfluorododecanoic acid			1.92	1.52	J	ng/L		79	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
d5-NEtFOSAA	*92*		*70 - 130*
13C2 PFDA	*91*		*70 - 130*
13C2 PFHxA	*102*		*70 - 130*

LCMS

Prep Batch: 96205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-29843-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-29843-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-29843-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-7	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-9	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-11	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-12	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-29843-13	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-14	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-29843-15	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-16	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-29843-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-96205/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-96205/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-96205/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-96205/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Prep Batch: 96215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-29843-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-29843-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-96215/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-96215/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-96215/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-96215/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 96575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-29843-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	96205
410-29843-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	96205
410-29843-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-7	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-9	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-11	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-12	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	96205
410-29843-13	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-14	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	96205
410-29843-15	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-16	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	96205
410-29843-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
410-29843-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	96205
MB 410-96205/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
LCS 410-96205/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
LCSD 410-96205/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205
LLCS 410-96205/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205

QC Association Summary

Client: SUEZ Water Environmental Services Inc
Job ID: 410-29843-1
Project/Site: Newberry System

LCMS

Analysis Batch: 96871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-29843-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	96215
410-29843-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	96215
MB 410-96215/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	96215
LCS 410-96215/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	96215
LCSD 410-96215/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	96215
LLCS 410-96215/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	96215

Analysis Batch: 97618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-29843-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	96205

Lab Chronicle

Client: SUEZ Water Environmental Services Inc
Job ID: 410-29843-1
Project/Site: Newberry System

Client Sample ID: 7670061 002 Coppersmith Well
Lab Sample ID: 410-29843-1
Date Collected: 02/16/21 10:55
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 00:19	DCS9	ELLE

Client Sample ID: 7670061 002 Coppersmith Well FB
Lab Sample ID: 410-29843-2
Date Collected: 02/16/21 10:55
Matrix: Potable Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 00:30	DCS9	ELLE

Client Sample ID: 7670061 003 DuPont Well
Lab Sample ID: 410-29843-3
Date Collected: 02/16/21 11:20
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 00:41	DCS9	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	97618	02/26/21 13:49	Y6ZN	ELLE

Client Sample ID: 7670061 003 DuPont Well FB
Lab Sample ID: 410-29843-4
Date Collected: 02/16/21 11:20
Matrix: Potable Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 00:53	DCS9	ELLE

Client Sample ID: 7670061 302 DuPont Between Lead & Lag
Lab Sample ID: 410-29843-5
Date Collected: 02/16/21 11:15
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 01:04	DCS9	ELLE

Client Sample ID: 7670061 302 DuPont After Lag Vessel
Lab Sample ID: 410-29843-7
Date Collected: 02/16/21 11:10
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 01:27	DCS9	ELLE

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-29843-9

Date Collected: 02/16/21 11:05

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 02:02	DCS9	ELLE

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-29843-11

Date Collected: 02/16/21 11:45

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 02:25	DCS9	ELLE

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-29843-12

Date Collected: 02/16/21 11:45

Matrix: Potable Water

Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 02:36	DCS9	ELLE

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-29843-13

Date Collected: 02/16/21 11:50

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 02:48	DCS9	ELLE

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-29843-14

Date Collected: 02/16/21 11:50

Matrix: Potable Water

Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 02:59	DCS9	ELLE

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-29843-15

Date Collected: 02/16/21 11:40

Matrix: Drinking Water

Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 03:10	DCS9	ELLE

Lab Chronicle

Client: SUEZ Water Environmental Services Inc
Job ID: 410-29843-1
Project/Site: Newberry System

Client Sample ID: 7670061 301 Conley Between Lead & Lag FB
Lab Sample ID: 410-29843-16

Date Collected: 02/16/21 11:40
Matrix: Potable Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 03:22	DCS9	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel
Lab Sample ID: 410-29843-17

Date Collected: 02/16/21 11:35
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 03:33	DCS9	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel FB
Lab Sample ID: 410-29843-18

Date Collected: 02/16/21 11:35
Matrix: Potable Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96205	02/22/21 17:07	F3WL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96575	02/24/21 03:56	DCS9	ELLE

Client Sample ID: 7670061 101 Conley EP Grab Water
Lab Sample ID: 410-29843-19

Date Collected: 02/16/21 11:30
Matrix: Drinking Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96215	02/22/21 17:20	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96871	02/24/21 15:10	DCS9	ELLE

Client Sample ID: 7670061 101 Conley Field Blank Grab Water
Lab Sample ID: 410-29843-20

Date Collected: 02/16/21 11:30
Matrix: Potable Water
Date Received: 02/19/21 14:26

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			96215	02/22/21 17:20	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	96871	02/24/21 15:22	DCS9	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: 410-29843-1
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	01-31-22

Method Summary

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

Job ID: 410-29843-1

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: 410-29843-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-29843-1	7670061 002 Coppersmith Well	Drinking Water	02/16/21 10:55	02/19/21 14:26	
410-29843-2	7670061 002 Coppersmith Well FB	Potable Water	02/16/21 10:55	02/19/21 14:26	
410-29843-3	7670061 003 DuPont Well	Drinking Water	02/16/21 11:20	02/19/21 14:26	
410-29843-4	7670061 003 DuPont Well FB	Potable Water	02/16/21 11:20	02/19/21 14:26	
410-29843-5	7670061 302 DuPont Between Lead & Lag	Drinking Water	02/16/21 11:15	02/19/21 14:26	
410-29843-7	7670061 302 DuPont After Lag Vessel	Drinking Water	02/16/21 11:10	02/19/21 14:26	
410-29843-9	7670061 102 DuPont EP	Drinking Water	02/16/21 11:05	02/19/21 14:26	
410-29843-11	7670061 001 Playground Well	Drinking Water	02/16/21 11:45	02/19/21 14:26	
410-29843-12	7670061 001 Playground Well FB	Potable Water	02/16/21 11:45	02/19/21 14:26	
410-29843-13	7670061 005 Conley Well	Drinking Water	02/16/21 11:50	02/19/21 14:26	
410-29843-14	7670061 005 Conley Well FB	Potable Water	02/16/21 11:50	02/19/21 14:26	
410-29843-15	7670061 301 Conley Between Lead & Lag	Drinking Water	02/16/21 11:40	02/19/21 14:26	
410-29843-16	7670061 301 Conley Between Lead & Lag FB	Potable Water	02/16/21 11:40	02/19/21 14:26	
410-29843-17	7670061 301 Conley After Lag Vessel	Drinking Water	02/16/21 11:35	02/19/21 14:26	
410-29843-18	7670061 301 Conley After Lag Vessel FB	Potable Water	02/16/21 11:35	02/19/21 14:26	
410-29843-19	7670061 101 Conley EP Grab Water	Drinking Water	02/16/21 11:30	02/19/21 14:26	
410-29843-20	7670061 101 Conley Field Blank Grab Water	Potable Water	02/16/21 11:30	02/19/21 14:26	

Environmental Analysis Req[illegible] [illegible]tody

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Acct. # 44297 Group # ________ Sample # ________ 410-29843 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 ☐

Matrix: Tissue ☐, Ground ☑, Surface ☐, Potable ☐, NPDES ☐

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

Analyses Requested — Preservation and Filtration Codes: O

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil / Sediment	Water	Other: GAC Filtered Water	Total # of Containers	PFAS (14) 537 v 1.1	Remarks
002 Coppersmith Well	02/16/21	1055	X			X		2	X	Monthly Compliance
FB - Coppersmith Well	02/16/21	1055						2	X	
003 DuPont Well	02/16/21	1120	X			X		2	X	
FB - DuPont Well	02/16/21	1120						2	X	
302s DuPont Between Lead and Lag	02/16/21	1115	X				X	2	X	
FB - DuPont Between Lead and Lag	02/16/21	1115						2	X	
302s DuPont After Lag	02/16/21	1110	X				X	2	X	
FB - DuPont After Lag	02/16/21	1110						2	X	
EP 102 DuPont	02/16/21	1105	X				X	2	X	
FB - EP 102 DuPont	02/16/21	1105						2	X	

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

Relinquished by	Date	Time	Received by	Date	Time
Penny Bumbarger (signature)	2/19/2021	1207	(signature)	2/19/21	1207
(signature)	2/19/21	1408			
			Julissa R (signature)	2/19/21	14:20

Relinquished by Commercial Carrier: UPS ______ FedEx ______ Other ______

Temperature upon receipt 1.9-2.2 °C

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: ________

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 ☐

Matrix: Soil ☐ Sediment ☐ Tissue ☐; Water: Potable ☐ Ground ☑ NPDES ☐ Surface ☐; Other: GAC Filtered Water

Analyses Requested / Preservation and Filtration Codes: O — PFAS (14) 537 v 1.1

Sample Identification	Collection Date	Collection Time	Grab	Composite	Soil/Sediment/Tissue	Water	Other: GAC Filtered Water	Total # of Containers	PFAS (14) 537 v 1.1	Remarks
001 Playground Well	02/16/21	1145	X			X		2	X	Monthly Compliance
FB - Playground Well	02/16/21	1145						2	X	
005 Conley Well	02/16/21	1150	X			X		2	X	
FB - Conley Well	02/16/21	1150						2	X	
301s Conley Between Lead and Lag	02/16/21	1140	X				X	2	X	
FB - Conley Between Lead and Lag	02/16/21	1140						2	X	
301s Conley After Lag	02/16/21	1135	X				X	2	X	
FB - Conely After Lag	02/16/21	1135						2	X	
EP 101 Conley	02/16/21	1130	X				X	2	X	
FB - EP 101 Conley	02/16/21	1130						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

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	2/19/2021	1207	[signature]	2/19/21	1207
[signature]	2/19/21	1408			
			[signature]	2/19/21	14:26

Relinquished by Commercial Carrier:

UPS ______ FedEx ______ Other ______

Temperature upon receipt 1.9-2.2 °C

Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-29843-1

Login Number: 29843

List Source: Eurofins Lancaster Laboratories Env

List Number: 1

Creator: Jeremiah, Cory T

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.	N/A	