

ANALYTICAL REPORT

Eurofins Lancaster Laboratories Env, LLC
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Laboratory Job ID: 410-60147-1
Client Project/Site: Newberry System

For:
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Suite 104
Harrisburg, Pennsylvania 17112

Attn: Penny Bumbarger



Authorized for release by:
10/27/2021 12:37:16 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.



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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A handwritten signature in black ink that reads "Elizabeth M. Zanar". The signature is written in a cursive, flowing style.

Elizabeth Zanar
Project Manager
10/27/2021 12:37:16 PM



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Definitions/Glossary

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

Job ID: 410-60147-1

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.
α	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

Case Narrative

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

Job ID: 410-60147-1

Job ID: 410-60147-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

**Job Narrative
410-60147-1**

Receipt

The samples were received on 10/22/2021 6:58 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

PFAS

Method 537_DW: Reporting limits were raised for the following sample(s): 7670061 102 DuPont EP (410-60147-9) due to limited sample volume.

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: 410-60147-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-60147-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	16		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	9.1		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	10		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	6.3		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	7.6		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	47		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	63		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-60147-2

No Detections.

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-60147-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	8.4		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.8		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.7		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	2.0		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.5		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	95		19	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	85		19	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-60147-4

No Detections.

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-60147-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	17		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	5.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	4.7		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	7.0		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	25		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: 7670061 302 DuPont Between Lead & Lag FB

Lab Sample ID: 410-60147-6

No Detections.

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-60147-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.9		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	2.2		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-60147-8

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: 410-60147-1

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-60147-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12		3.4	0.85	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.9		3.4	0.85	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-60147-10

No Detections.

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-60147-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	10		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.6		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	8.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.9		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: 7670061 001 Playground Well FB

Lab Sample ID: 410-60147-12

No Detections.

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-60147-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	5.2		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.5		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.5		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.4		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	5.9		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-60147-14

No Detections.

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-60147-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.4		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.4		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	8.1		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.4		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	6.4		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	11		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-60147-16

No Detections.

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-60147-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	10		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.4		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.2		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.3		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

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: 410-60147-1

Client Sample ID: 7670061 301 Conley After Lag Vessel (Continued)

Lab Sample ID: 410-60147-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanesulfonic acid	5.2		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	5.6		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-60147-18

No Detections.

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-60147-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.7		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.3		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.2		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.2		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.3		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	6.0		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: 410-60147-20

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-60147-1

Date Collected: 10/18/21 09:30

Matrix: Drinking Water

Date Received: 10/22/21 18:58

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		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluoroheptanoic acid	9.1		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorooctanoic acid	10		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorononanoic acid	6.3		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorobutanesulfonic acid	7.6		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorohexanesulfonic acid	47		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorooctanesulfonic acid	63		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		10/25/21 07:39	10/26/21 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	102		70 - 130				10/25/21 07:39	10/26/21 16:30	1
13C2 PFDA	99		70 - 130				10/25/21 07:39	10/26/21 16:30	1
13C2 PFHxA	105		70 - 130				10/25/21 07:39	10/26/21 16:30	1

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-60147-2

Date Collected: 10/18/21 09:30

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 16:41	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	101		70 - 130				10/25/21 07:39	10/26/21 16:41	1
13C2 PFDA	89		70 - 130				10/25/21 07:39	10/26/21 16:41	1
13C2 PFHxA	97		70 - 130				10/25/21 07:39	10/26/21 16:41	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-60147-3

Date Collected: 10/18/21 10:00

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	8.4		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluoroheptanoic acid	3.8		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluorooctanoic acid	6.7		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluorononanoic acid	2.0		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluorodecanoic acid	<1.9		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluorotridecanoic acid	<1.9		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluorotetradecanoic acid	<1.9		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluorobutanesulfonic acid	6.5		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
NEtFOSAA	<1.9		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
NMeFOSAA	<1.9		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluoroundecanoic acid	<1.9		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Perfluorododecanoic acid	<1.9		1.9	0.46	ng/L		10/25/21 07:39	10/26/21 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	113		70 - 130				10/25/21 07:39	10/26/21 16:53	1
13C2 PFDA	98		70 - 130				10/25/21 07:39	10/26/21 16:53	1
13C2 PFHxA	99		70 - 130				10/25/21 07:39	10/26/21 16:53	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	95		19	4.6	ng/L		10/25/21 07:39	10/27/21 10:23	10
Perfluorooctanesulfonic acid	85		19	4.6	ng/L		10/25/21 07:39	10/27/21 10:23	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	102		70 - 130				10/25/21 07:39	10/27/21 10:23	10
13C2 PFDA	95		70 - 130				10/25/21 07:39	10/27/21 10:23	10
13C2 PFHxA	94		70 - 130				10/25/21 07:39	10/27/21 10:23	10

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-60147-4

Date Collected: 10/18/21 10:00

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 17:04	1
Perfluoroheptanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorooctanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	98		70 - 130				10/25/21 07:39	10/26/21 17:04	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-60147-4

Date Collected: 10/18/21 10:00

Matrix: Potable Water

Date Received: 10/22/21 18:58

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	99		70 - 130	10/25/21 07:39	10/26/21 17:04	1
13C2 PFHxA	101		70 - 130	10/25/21 07:39	10/26/21 17:04	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-60147-5

Date Collected: 10/18/21 09:55

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	17		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluoroheptanoic acid	5.2		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorooctanoic acid	4.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorobutanesulfonic acid	7.0		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorohexanesulfonic acid	25		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorooctanesulfonic acid	13		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	100		70 - 130	10/25/21 07:39	10/26/21 17:16	1
13C2 PFDA	93		70 - 130	10/25/21 07:39	10/26/21 17:16	1
13C2 PFHxA	99		70 - 130	10/25/21 07:39	10/26/21 17:16	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-60147-6

FB

Date Collected: 10/18/21 09:55

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 17:27	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 17:27	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-60147-6

FB

Date Collected: 10/18/21 09:55

Matrix: Potable Water

Date Received: 10/22/21 18:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	105		70 - 130	10/25/21 07:39	10/26/21 17:27	1
13C2 PFDA	96		70 - 130	10/25/21 07:39	10/26/21 17:27	1
13C2 PFHxA	102		70 - 130	10/25/21 07:39	10/26/21 17:27	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-60147-7

Date Collected: 10/18/21 09:50

Matrix: Drinking Water

Date Received: 10/22/21 18:58

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	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluoroheptanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorooctanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorobutanesulfonic acid	3.9		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorohexanesulfonic acid	2.2		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	101		70 - 130	10/25/21 07:39	10/26/21 17:39	1
13C2 PFDA	97		70 - 130	10/25/21 07:39	10/26/21 17:39	1
13C2 PFHxA	102		70 - 130	10/25/21 07:39	10/26/21 17:39	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-60147-8

Date Collected: 10/18/21 09:50

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/27/21 10:35	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/27/21 10:35	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-60147-8

Date Collected: 10/18/21 09:50

Matrix: Potable Water

Date Received: 10/22/21 18:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	108		70 - 130	10/25/21 07:39	10/27/21 10:35	1
13C2 PFDA	102		70 - 130	10/25/21 07:39	10/27/21 10:35	1
13C2 PFHxA	103		70 - 130	10/25/21 07:39	10/27/21 10:35	1

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-60147-9

Date Collected: 10/18/21 09:45

Matrix: Drinking Water

Date Received: 10/22/21 18:58

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		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluoroheptanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorooctanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorononanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorodecanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorotridecanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorotetradecanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorobutanesulfonic acid	3.9		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorohexanesulfonic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorooctanesulfonic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
NEtFOSAA	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
NMeFOSAA	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluoroundecanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1
Perfluorododecanoic acid	<3.4		3.4	0.85	ng/L		10/25/21 07:39	10/26/21 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	102		70 - 130	10/25/21 07:39	10/26/21 18:02	1
13C2 PFDA	96		70 - 130	10/25/21 07:39	10/26/21 18:02	1
13C2 PFHxA	100		70 - 130	10/25/21 07:39	10/26/21 18:02	1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-60147-10

Date Collected: 10/18/21 09:45

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 18:14	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:14	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-60147-10

Date Collected: 10/18/21 09:45

Matrix: Potable Water

Date Received: 10/22/21 18:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	103		70 - 130	10/25/21 07:39	10/26/21 18:14	1
13C2 PFDA	97		70 - 130	10/25/21 07:39	10/26/21 18:14	1
13C2 PFHxA	102		70 - 130	10/25/21 07:39	10/26/21 18:14	1

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-60147-11

Date Collected: 10/18/21 10:20

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	10		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluoroheptanoic acid	3.6		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorooctanoic acid	8.9		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorobutanesulfonic acid	4.4		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorohexanesulfonic acid	5.9		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorooctanesulfonic acid	13		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	97		70 - 130	10/25/21 07:39	10/26/21 18:37	1
13C2 PFDA	96		70 - 130	10/25/21 07:39	10/26/21 18:37	1
13C2 PFHxA	104		70 - 130	10/25/21 07:39	10/26/21 18:37	1

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-60147-12

Date Collected: 10/18/21 10:20

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 18:48	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 18:48	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-60147-12

Date Collected: 10/18/21 10:20

Matrix: Potable Water

Date Received: 10/22/21 18:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	96		70 - 130	10/25/21 07:39	10/26/21 18:48	1
13C2 PFDA	101		70 - 130	10/25/21 07:39	10/26/21 18:48	1
13C2 PFHxA	101		70 - 130	10/25/21 07:39	10/26/21 18:48	1

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-60147-13

Date Collected: 10/18/21 10:25

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	5.2		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluoroheptanoic acid	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorooctanoic acid	3.5		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorononanoic acid	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorodecanoic acid	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorotridecanoic acid	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorotetradecanoic acid	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorobutanesulfonic acid	2.5		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorohexanesulfonic acid	3.4		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorooctanesulfonic acid	5.9		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
NEtFOSAA	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
NMeFOSAA	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluoroundecanoic acid	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1
Perfluorododecanoic acid	<1.7		1.7	0.42	ng/L		10/25/21 07:39	10/26/21 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	95		70 - 130	10/25/21 07:39	10/26/21 19:00	1
13C2 PFDA	97		70 - 130	10/25/21 07:39	10/26/21 19:00	1
13C2 PFHxA	98		70 - 130	10/25/21 07:39	10/26/21 19:00	1

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-60147-14

Date Collected: 10/18/21 10:25

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 19:11	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		10/25/21 07:39	10/26/21 19:11	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-60147-14

Date Collected: 10/18/21 10:25

Matrix: Potable Water

Date Received: 10/22/21 18:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	93		70 - 130	10/25/21 07:39	10/26/21 19:11	1
13C2 PFDA	89		70 - 130	10/25/21 07:39	10/26/21 19:11	1
13C2 PFHxA	91		70 - 130	10/25/21 07:39	10/26/21 19:11	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-60147-15

Date Collected: 10/18/21 10:15

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	9.4		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluoroheptanoic acid	3.4		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorooctanoic acid	8.1		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorobutanesulfonic acid	4.4		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorohexanesulfonic acid	6.4		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorooctanesulfonic acid	11		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	97		70 - 130	10/25/21 07:39	10/26/21 19:23	1
13C2 PFDA	93		70 - 130	10/25/21 07:39	10/26/21 19:23	1
13C2 PFHxA	98		70 - 130	10/25/21 07:39	10/26/21 19:23	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-60147-16

FB

Date Collected: 10/18/21 10:15

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 19:34	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:34	1

Client Sample Results

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

Job ID: 410-60147-1

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

Lab Sample ID: 410-60147-16

Date Collected: 10/18/21 10:15

Matrix: Potable Water

Date Received: 10/22/21 18:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	101		70 - 130	10/25/21 07:39	10/26/21 19:34	1
13C2 PFDA	96		70 - 130	10/25/21 07:39	10/26/21 19:34	1
13C2 PFHxA	96		70 - 130	10/25/21 07:39	10/26/21 19:34	1

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-60147-17

Date Collected: 10/18/21 10:10

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	10		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluoroheptanoic acid	3.4		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorooctanoic acid	7.2		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorobutanesulfonic acid	4.3		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorohexanesulfonic acid	5.2		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorooctanesulfonic acid	5.6		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	95		70 - 130	10/25/21 07:39	10/26/21 19:46	1
13C2 PFDA	97		70 - 130	10/25/21 07:39	10/26/21 19:46	1
13C2 PFHxA	98		70 - 130	10/25/21 07:39	10/26/21 19:46	1

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-60147-18

Date Collected: 10/18/21 10:10

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 19:57	1
Perfluoroheptanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorooctanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		10/25/21 07:39	10/26/21 19:57	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-60147-18

Date Collected: 10/18/21 10:10

Matrix: Potable Water

Date Received: 10/22/21 18:58

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	94		70 - 130	10/25/21 07:39	10/26/21 19:57	1
13C2 PFDA	95		70 - 130	10/25/21 07:39	10/26/21 19:57	1
13C2 PFHxA	98		70 - 130	10/25/21 07:39	10/26/21 19:57	1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-60147-19

Date Collected: 10/18/21 10:05

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	9.7		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluoroheptanoic acid	3.3		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorooctanoic acid	7.2		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorobutanesulfonic acid	4.2		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorohexanesulfonic acid	5.3		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorooctanesulfonic acid	6.0		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	99		70 - 130	10/25/21 07:39	10/26/21 20:09	1
13C2 PFDA	92		70 - 130	10/25/21 07:39	10/26/21 20:09	1
13C2 PFHxA	96		70 - 130	10/25/21 07:39	10/26/21 20:09	1

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-60147-20

Date Collected: 10/18/21 10:05

Matrix: Potable Water

Date Received: 10/22/21 18:58

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		10/25/21 07:39	10/26/21 20:20	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		10/25/21 07:39	10/26/21 20:20	1

Client Sample Results

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

Job ID: 410-60147-1

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-60147-20

Date Collected: 10/18/21 10:05

Matrix: Potable Water

Date Received: 10/22/21 18:58

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	105		70 - 130	10/25/21 07:39	10/26/21 20:20	1
13C2 PFDA	101		70 - 130	10/25/21 07:39	10/26/21 20:20	1
13C2 PFHxA	104		70 - 130	10/25/21 07:39	10/26/21 20:20	1

Surrogate Summary

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

Job ID: 410-60147-1

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Matrix: Drinking Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		d5NEFOS (70-130)	PFDA (70-130)	PFHxA (70-130)
410-60147-1	7670061 002 Coppersmith Well	102	99	105
410-60147-3	7670061 003 DuPont Well	113	98	99
410-60147-3 - DL	7670061 003 DuPont Well	102	95	94
410-60147-5	7670061 302 DuPont Between Lead & Lag	100	93	99
410-60147-7	7670061 302 DuPont After Lag Vessel	101	97	102
410-60147-9	7670061 102 DuPont EP	102	96	100
410-60147-11	7670061 001 Playground Well	97	96	104
410-60147-13	7670061 005 Conley Well	95	97	98
410-60147-15	7670061 301 Conley Between Lead & Lag	97	93	98
410-60147-17	7670061 301 Conley After Lag Vessel	95	97	98
410-60147-19	7670061 101 Conley EP Grab Water	99	92	96
LCS 410-186551/2-A	Lab Control Sample	110	101	109
LCSD 410-186551/3-A	Lab Control Sample Dup	111	104	109
LLCS 410-186551/4-A	Lab Control Sample	114	96	104
MB 410-186551/1-A	Method Blank	101	97	99

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		d5NEFOS (70-130)	PFDA (70-130)	PFHxA (70-130)
410-60147-2	7670061 002 Coppersmith Well FB	101	89	97
410-60147-4	7670061 003 DuPont Well FB	98	99	101
410-60147-6	7670061 302 DuPont Between Lead & Lag FB	105	96	102
410-60147-8	7670061 302 DuPont After Lag Vessel FB	108	102	103
410-60147-10	7670061 102 DuPont EP FB	103	97	102
410-60147-12	7670061 001 Playground Well FB	96	101	101
410-60147-14	7670061 005 Conley Well FB	93	89	91
410-60147-16	7670061 301 Conley Between Lead & Lag FB	101	96	96
410-60147-18	7670061 301 Conley After Lag Vessel FB	94	95	98
410-60147-20	7670061 101 Conley Field Blank Grab Water	105	101	104

Surrogate Legend

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

QC Sample Results

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

Job ID: 410-60147-1

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Lab Sample ID: MB 410-186551/1-A

Matrix: Drinking Water

Analysis Batch: 187256

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 186551

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		10/25/21 07:39	10/26/21 15:44	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	101		70 - 130	10/25/21 07:39	10/26/21 15:44	1
13C2 PFDA	97		70 - 130	10/25/21 07:39	10/26/21 15:44	1
13C2 PFHxA	99		70 - 130	10/25/21 07:39	10/26/21 15:44	1

Lab Sample ID: LCS 410-186551/2-A

Matrix: Drinking Water

Analysis Batch: 187256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186551

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Perfluorohexanoic acid	20.5	21.7		ng/L		106	70 - 130
Perfluoroheptanoic acid	20.5	22.8		ng/L		111	70 - 130
Perfluorooctanoic acid	20.5	21.6		ng/L		105	70 - 130
Perfluorononanoic acid	20.5	21.2		ng/L		103	70 - 130
Perfluorodecanoic acid	20.5	21.6		ng/L		106	70 - 130
Perfluorotridecanoic acid	20.5	21.6		ng/L		105	70 - 130
Perfluorotetradecanoic acid	20.5	21.3		ng/L		104	70 - 130
Perfluorobutanesulfonic acid	18.1	18.3		ng/L		101	70 - 130
Perfluorohexanesulfonic acid	18.7	19.4		ng/L		104	70 - 130
Perfluorooctanesulfonic acid	19.0	19.2		ng/L		101	70 - 130
NEtFOSAA	20.5	22.3		ng/L		109	70 - 130
NMeFOSAA	20.5	19.5		ng/L		95	70 - 130
Perfluoroundecanoic acid	20.5	21.6		ng/L		105	70 - 130
Perfluorododecanoic acid	20.5	19.5		ng/L		95	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	110		70 - 130
13C2 PFDA	101		70 - 130
13C2 PFHxA	109		70 - 130

QC Sample Results

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

Job ID: 410-60147-1

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

Lab Sample ID: LCSD 410-186551/3-A

Matrix: Drinking Water

Analysis Batch: 187256

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 186551

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	20.5	22.4		ng/L		109	70 - 130	3	30
Perfluoroheptanoic acid	20.5	23.3		ng/L		114	70 - 130	2	30
Perfluorooctanoic acid	20.5	22.2		ng/L		108	70 - 130	3	30
Perfluorononanoic acid	20.5	20.8		ng/L		102	70 - 130	2	30
Perfluorodecanoic acid	20.5	21.1		ng/L		103	70 - 130	2	30
Perfluorotridecanoic acid	20.5	20.9		ng/L		102	70 - 130	3	30
Perfluorotetradecanoic acid	20.5	20.4		ng/L		99	70 - 130	5	30
Perfluorobutanesulfonic acid	18.1	19.7		ng/L		108	70 - 130	7	30
Perfluorohexanesulfonic acid	18.7	20.0		ng/L		107	70 - 130	3	30
Perfluorooctanesulfonic acid	19.0	20.1		ng/L		106	70 - 130	5	30
NEtFOSAA	20.5	22.7		ng/L		111	70 - 130	2	30
NMeFOSAA	20.5	21.1		ng/L		103	70 - 130	8	30
Perfluoroundecanoic acid	20.5	21.3		ng/L		104	70 - 130	1	30
Perfluorododecanoic acid	20.5	19.9		ng/L		97	70 - 130	2	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	111		70 - 130
13C2 PFDA	104		70 - 130
13C2 PFHxA	109		70 - 130

Lab Sample ID: LLCS 410-186551/4-A

Matrix: Drinking Water

Analysis Batch: 187256

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186551

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	1.92	2.07		ng/L		108	50 - 150
Perfluoroheptanoic acid	1.92	2.11		ng/L		110	50 - 150
Perfluorooctanoic acid	1.92	2.23		ng/L		116	50 - 150
Perfluorononanoic acid	1.92	1.86	J	ng/L		97	50 - 150
Perfluorodecanoic acid	1.92	2.01		ng/L		105	50 - 150
Perfluorotridecanoic acid	1.92	1.93	J	ng/L		101	50 - 150
Perfluorotetradecanoic acid	1.92	1.94	J	ng/L		101	50 - 150
Perfluorobutanesulfonic acid	1.70	1.91	J	ng/L		113	50 - 150
Perfluorohexanesulfonic acid	1.75	1.91	J	ng/L		109	50 - 150
Perfluorooctanesulfonic acid	1.78	1.96	J	ng/L		110	50 - 150
NEtFOSAA	1.92	2.28		ng/L		118	50 - 150
NMeFOSAA	1.92	2.02		ng/L		105	50 - 150
Perfluoroundecanoic acid	1.92	1.94	J	ng/L		101	50 - 150
Perfluorododecanoic acid	1.92	1.92	J	ng/L		100	50 - 150

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	114		70 - 130
13C2 PFDA	96		70 - 130
13C2 PFHxA	104		70 - 130

QC Association Summary

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

Job ID: 410-60147-1

LCMS

Prep Batch: 186551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-60147-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-6	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-7	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-8	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-9	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-10	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-11	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-12	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-13	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-14	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-15	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-16	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-60147-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-60147-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-186551/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-186551/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-186551/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-186551/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 187256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-60147-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-6	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-7	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-9	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-10	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-11	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-12	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-13	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-14	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-15	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-16	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
410-60147-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	186551
MB 410-186551/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
LCS 410-186551/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
LCSD 410-186551/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
LLCS 410-186551/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551

QC Association Summary

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

Job ID: 410-60147-1

LCMS

Analysis Batch: 187677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-60147-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	186551
410-60147-8	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	186551

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Lab Chronicle

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

Job ID: 410-60147-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-60147-1

Date Collected: 10/18/21 09:30

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 16:30	DCS9	ELLE

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-60147-2

Date Collected: 10/18/21 09:30

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 16:41	DCS9	ELLE

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-60147-3

Date Collected: 10/18/21 10:00

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 16:53	DCS9	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	187677	10/27/21 10:23	DCS9	ELLE

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-60147-4

Date Collected: 10/18/21 10:00

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 17:04	DCS9	ELLE

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-60147-5

Date Collected: 10/18/21 09:55

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 17:16	DCS9	ELLE

Client Sample ID: 7670061 302 DuPont Between Lead & Lag FB

Lab Sample ID: 410-60147-6

Date Collected: 10/18/21 09:55

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 17:27	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-60147-1

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-60147-7

Date Collected: 10/18/21 09:50

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 17:39	DCS9	ELLE

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-60147-8

Date Collected: 10/18/21 09:50

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187677	10/27/21 10:35	DCS9	ELLE

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-60147-9

Date Collected: 10/18/21 09:45

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 18:02	DCS9	ELLE

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-60147-10

Date Collected: 10/18/21 09:45

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 18:14	DCS9	ELLE

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-60147-11

Date Collected: 10/18/21 10:20

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 18:37	DCS9	ELLE

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-60147-12

Date Collected: 10/18/21 10:20

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 18:48	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-60147-1

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-60147-13

Date Collected: 10/18/21 10:25

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 19:00	DCS9	ELLE

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-60147-14

Date Collected: 10/18/21 10:25

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 19:11	DCS9	ELLE

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-60147-15

Date Collected: 10/18/21 10:15

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 19:23	DCS9	ELLE

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

Lab Sample ID: 410-60147-16

Date Collected: 10/18/21 10:15

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 19:34	DCS9	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-60147-17

Date Collected: 10/18/21 10:10

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 19:46	DCS9	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-60147-18

Date Collected: 10/18/21 10:10

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 19:57	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-60147-1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-60147-19

Date Collected: 10/18/21 10:05

Matrix: Drinking Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 20:09	DCS9	ELLE

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-60147-20

Date Collected: 10/18/21 10:05

Matrix: Potable Water

Date Received: 10/22/21 18:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			186551	10/25/21 07:39	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	187256	10/26/21 20:20	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
Project/Site: Newberry System

Job ID: 410-60147-1

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

- 1
- 2
- 3
- 4
- 5
- 6
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- 13
- 14
- 15

Method Summary

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

Job ID: 410-60147-1

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: 410-60147-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-60147-1	7670061 002 Coppersmith Well	Drinking Water	10/18/21 09:30	10/22/21 18:58
410-60147-2	7670061 002 Coppersmith Well FB	Potable Water	10/18/21 09:30	10/22/21 18:58
410-60147-3	7670061 003 DuPont Well	Drinking Water	10/18/21 10:00	10/22/21 18:58
410-60147-4	7670061 003 DuPont Well FB	Potable Water	10/18/21 10:00	10/22/21 18:58
410-60147-5	7670061 302 DuPont Between Lead & Lag	Drinking Water	10/18/21 09:55	10/22/21 18:58
410-60147-6	7670061 302 DuPont Between Lead & Lag FB	Potable Water	10/18/21 09:55	10/22/21 18:58
410-60147-7	7670061 302 DuPont After Lag Vessel	Drinking Water	10/18/21 09:50	10/22/21 18:58
410-60147-8	7670061 302 DuPont After Lag Vessel FB	Potable Water	10/18/21 09:50	10/22/21 18:58
410-60147-9	7670061 102 DuPont EP	Drinking Water	10/18/21 09:45	10/22/21 18:58
410-60147-10	7670061 102 DuPont EP FB	Potable Water	10/18/21 09:45	10/22/21 18:58
410-60147-11	7670061 001 Playground Well	Drinking Water	10/18/21 10:20	10/22/21 18:58
410-60147-12	7670061 001 Playground Well FB	Potable Water	10/18/21 10:20	10/22/21 18:58
410-60147-13	7670061 005 Conley Well	Drinking Water	10/18/21 10:25	10/22/21 18:58
410-60147-14	7670061 005 Conley Well FB	Potable Water	10/18/21 10:25	10/22/21 18:58
410-60147-15	7670061 301 Conley Between Lead & Lag	Drinking Water	10/18/21 10:15	10/22/21 18:58
410-60147-16	7670061 301 Conley Between Lead & Lag FB	Potable Water	10/18/21 10:15	10/22/21 18:58
410-60147-17	7670061 301 Conley After Lag Vessel	Drinking Water	10/18/21 10:10	10/22/21 18:58
410-60147-18	7670061 301 Conley After Lag Vessel FB	Potable Water	10/18/21 10:10	10/22/21 18:58
410-60147-19	7670061 101 Conley EP Grab Water	Drinking Water	10/18/21 10:05	10/22/21 18:58
410-60147-20	7670061 101 Conley Field Blank Grab Water	Potable Water	10/18/21 10:05	10/22/21 18:58

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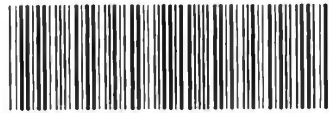
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Lancaster Laboratories Environmental

410-60147 Chain of Custody

Acct. # 44297 Group #

Client: SUEZ WATER PA		Site ID #:		Matrix		Analyses Requested						For Lab Use Only			
Project Name: Newberry System		P.O. #:		<input type="checkbox"/> Tissue	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Surface	Preservation and Filtration Codes						SF #:		
Project Manager: Elizabeth Zanar		PWSID #: 7670061		<input type="checkbox"/> Potable	<input type="checkbox"/> NPDES	<input type="checkbox"/> Other: GAC Filtered Water	O						SCR #:		
Sampler: Penny Bumbarger		Quote #: 219948A		<input type="checkbox"/> Soil	<input type="checkbox"/> Sediment	<input type="checkbox"/> Water	PFAS (14) 537 v 1.1						Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ F = Field Filtered O = Other		
Phone #: 717-773-0185		State where samples were collected: PA		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Total # of Containers									
Sample Identification		Date	Time	Grab	Composite	Soil	Sediment	Water	Other: GAC Filtered Water	Total # of Containers	PFAS (14) 537 v 1.1	Remarks			
002 Coppersmith Well		10/18/21	0930	X				X		2	X	Monthly Compliance			
FB - Coppersmith Well		10/18/21	0930							2	X				
003 DuPont Well		10/18/21	1000	X				X		2	X				
FB - DuPont Well		10/18/21	1000							2	X				
302s DuPont Between Lead and Lag		10/18/21	0955	X					X	2	X				
FB - DuPont Between Lead and Lag		10/18/21	0955							2	X				
302s DuPont After Lag		10/18/21	0950	X					X	2	X				
FB - DuPont After Lag		10/18/21	0950							2	X				
EP 102 DuPont		10/18/21	0945	X					X	2	X				
FB - EP 102 DuPont		10/18/21	0945							2	X				
Turnaround Time Requested (TAT) (please check):				Standard <input checked="" type="checkbox"/>	Rush <input type="checkbox"/>	Relinquished by:		Date	Time	Received by:				Date	Time
(Rush TAT is subject to laboratory approval and surcharges.)						Penny Bumbarger		10/21/21	1136	Gula Deeb				10/21/21	1136
Date results are needed:				Rush results requested by (please check):		Relinquished by:		Date	Time	Received by:		Date	Time		
E-Mail <input checked="" type="checkbox"/>		Phone <input type="checkbox"/>		Gula Deeb		10/21/21		1537							
E-mail Address: penny.bumbarger@suez.com				Relinquished by:		Date		Time		Received by:		Date			
Phone: 717-773-0185				Date		Time		Time		Date		Time			
Data Package Options (please check if required)				Relinquished by:		Date		Time		Received by:		Date			
Type I (Validation/non-CLP)	<input type="checkbox"/>	MA MCP	<input type="checkbox"/>	Date		Time		Time		Date		Time			
Type III (Reduced non-CLP)	<input type="checkbox"/>	CT RCP	<input type="checkbox"/>	Date		Time		Time		Date		Time			
Type VI (Raw Data Only)	<input type="checkbox"/>	TX TRRP-13	<input type="checkbox"/>	Date		Time		Time		Date		Time			
NJ DKQP	<input type="checkbox"/>	NYSDEC Category	<input type="checkbox"/> A or <input type="checkbox"/> B	Date		Time		Time		Date		Time			
EDD Required? Yes <input type="checkbox"/> No <input type="checkbox"/>				If yes, format:		Relinquished by Commercial Carrier:		Date		Time		Date			
UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Other <input type="checkbox"/>				Temperature upon receipt		1.4		°C							

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 44297 Group # _____

Sample # _____

Client: SUEZ WATER PA				Matrix			Analyses Requested						For Lab Use Only				
Project Name: Newberry System		Site ID #:		<input type="checkbox"/> Tissue	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Surface	Preservation and Filtration Codes						SF #: _____				
Project Manager: Elizabeth Zanar		P.O. #:		<input type="checkbox"/> Potable	<input type="checkbox"/> NPDES	<input type="checkbox"/> GAC Filtered Water	O						SCR #: _____				
Sampler: Penny Bumbarger		PWSID #: 7670061		<input type="checkbox"/> Soil	<input type="checkbox"/> Water	<input type="checkbox"/> Other:	Total # of Containers PFAS (14) 537 v 1.1						Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ F = Field Filtered O = Other				
Phone #: 717-773-0185		Quote #: 219948A		<input type="checkbox"/> Sediment	<input type="checkbox"/> Composite												
State where samples were collected: PA		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											Remarks				
Collection													Monthly Compliance				
Sample Identification		Date	Time	Grab	Composite												
001 Playground Well		10/18/21	1020	X			X			2	X						
FB - Playground Well		10/18/21	1020							2	X						
005 Conley Well		10/18/21	1025	X			X			2	X						
FB - Conley Well		10/18/21	1025							2	X						
301s Conley Between Lead and Lag		10/18/21	1015	X				X		2	X						
FB - Conley Between Lead and Lag		10/18/21	1015							2	X						
301s Conley After Lag		10/18/21	1010	X				X		2	X						
FB - Conley After Lag		10/18/21	1010							2	X						
EP 101 Conley		10/18/21	1005	X				X		2	X						
FB - EP 101 Conley		10/18/21	1005							2	X						
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> (Rush TAT is subject to laboratory approval and surcharges.)				Relinquished by: Penny Bumbarger		Date	Time	Received by: <i>[Signature]</i>		Date	Time						
Date results are needed:				Relinquished by: <i>[Signature]</i>		Date	Time	Received by:		Date	Time						
Rush results requested by (please check): E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				Relinquished by:		Date	Time	Received by:		Date	Time						
E-mail Address: penny.bumbarger@suez.com				Relinquished by:		Date	Time	Received by:		Date	Time						
Phone: 717-773-0185				Relinquished by:		Date	Time	Received by:		Date	Time						
Data Package Options (please check if required)				Relinquished by:		Date	Time	Received by:		Date	Time						
Type I (Validation/non-CLP) <input type="checkbox"/>		MA MCP <input type="checkbox"/>		Relinquished by:		Date	Time	Received by:		Date	Time						
Type III (Reduced non-CLP) <input type="checkbox"/>		CT RCP <input type="checkbox"/>		Relinquished by:		Date	Time	Received by:		Date	Time						
Type VI (Raw Data Only) <input type="checkbox"/>		TX TRRP-13 <input type="checkbox"/>		Relinquished by:		Date	Time	Received by:		Date	Time						
NJ DKQP <input type="checkbox"/>		NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B		Relinquished by Commercial Carrier:													
EDD Required? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, format: _____				UPS _____ FedEx _____ Other _____				Temperature upon receipt <i>114</i> °C									



Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-60147-1

Login Number: 60147

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Lugardo, Tamara

Question	Answer	Comment
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 ($\leq 6^{\circ}\text{C}$, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, 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	
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	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	