

ANALYTICAL REPORT

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

Laboratory Job ID: 410-56482-1
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



Authorized for release by:
10/5/2021 12:38:33 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
10/5/2021 12:38:33 PM



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Definitions/Glossary

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

Job ID: 410-56482-1

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: 410-56482-1

Job ID: 410-56482-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-56482-1

Receipt

The samples were received on 9/24/2021 5:07 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 2.2°C

PFAS

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

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Detection Summary

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

Job ID: 410-56482-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-56482-1

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	5.5		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	8.2		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	3.1		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.6		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	32		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	39		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-56482-2

No Detections.

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-56482-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.3		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.9		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.0		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	2.5		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.9		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	110		19	4.8	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	110		19	4.8	ng/L	10		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-56482-4

No Detections.

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-56482-5

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
Perfluoroheptanoic acid	3.3		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.5		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.0		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	19		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	8.9		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-56482-6

No Detections.

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-56482-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	6.5		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.1		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-56482-8

No Detections.

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-56482-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	6.2		1.8	0.46	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: 410-56482-1

Client Sample ID: 7670061 102 DuPont EP (Continued)

Lab Sample ID: 410-56482-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid	2.1		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-56482-10

No Detections.

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-56482-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.1		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	8.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.1		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.6		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	12		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: 410-56482-12

No Detections.

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-56482-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	4.1		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	2.9		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	1.8		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	2.4		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	5.1		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-56482-14

No Detections.

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-56482-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.5		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.8		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	7.1		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.2		1.8	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	9.0		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: 410-56482-16

No Detections.

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-56482-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	8.8		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.0		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.7		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.1		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

Detection Summary

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

Job ID: 410-56482-1

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

Lab Sample ID: 410-56482-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid	4.5		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-56482-18

No Detections.

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-56482-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	8.4		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.9		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.3		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.7		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.4		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	4.6		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-56482-20

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: 410-56482-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-56482-1

Date Collected: 09/21/21 09:10

Matrix: Drinking Water

Date Received: 09/24/21 17:07

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		09/28/21 17:33	09/30/21 17:16	1
Perfluoroheptanoic acid	5.5		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorooctanoic acid	8.2		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorononanoic acid	3.1		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorobutanesulfonic acid	6.6		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorohexanesulfonic acid	32		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorooctanesulfonic acid	39		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	87		70 - 130				09/28/21 17:33	09/30/21 17:16	1
13C2 PFDA	93		70 - 130				09/28/21 17:33	09/30/21 17:16	1
13C2 PFHxA	85		70 - 130				09/28/21 17:33	09/30/21 17:16	1

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-56482-2

Date Collected: 09/21/21 09:10

Matrix: Potable Water

Date Received: 09/24/21 17:07

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	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluoroheptanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorooctanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorononanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorodecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorotridecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorotetradecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
NEtFOSAA	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
NMeFOSAA	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluoroundecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Perfluorododecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 17:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	82		70 - 130				09/28/21 17:33	09/30/21 17:27	1
13C2 PFDA	91		70 - 130				09/28/21 17:33	09/30/21 17:27	1
13C2 PFHxA	86		70 - 130				09/28/21 17:33	09/30/21 17:27	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-56482-3

Date Collected: 09/21/21 09:35

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	9.3		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluoroheptanoic acid	3.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluorooctanoic acid	7.0		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluorononanoic acid	2.5		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluorobutanesulfonic acid	6.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		09/28/21 17:33	09/30/21 17:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	92		70 - 130				09/28/21 17:33	09/30/21 17:39	1
13C2 PFDA	103		70 - 130				09/28/21 17:33	09/30/21 17:39	1
13C2 PFHxA	88		70 - 130				09/28/21 17:33	09/30/21 17:39	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	110		19	4.8	ng/L		09/28/21 17:33	10/05/21 12:14	10
Perfluorooctanesulfonic acid	110		19	4.8	ng/L		09/28/21 17:33	10/05/21 12:14	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	94		70 - 130				09/28/21 17:33	10/05/21 12:14	10
13C2 PFDA	92		70 - 130				09/28/21 17:33	10/05/21 12:14	10
13C2 PFHxA	91		70 - 130				09/28/21 17:33	10/05/21 12:14	10

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-56482-4

Date Collected: 09/21/21 09:35

Matrix: Potable Water

Date Received: 09/24/21 17:07

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		09/28/21 17:33	09/30/21 17:50	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	92		70 - 130				09/28/21 17:33	09/30/21 17:50	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-56482-4

Date Collected: 09/21/21 09:35

Matrix: Potable Water

Date Received: 09/24/21 17:07

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	94		70 - 130	09/28/21 17:33	09/30/21 17:50	1
13C2 PFHxA	91		70 - 130	09/28/21 17:33	09/30/21 17:50	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-56482-5

Date Collected: 09/21/21 09:30

Matrix: Drinking Water

Date Received: 09/24/21 17:07

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		09/28/21 17:33	09/30/21 18:02	1
Perfluoroheptanoic acid	3.3		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorooctanoic acid	3.5		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorobutanesulfonic acid	6.0		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorohexanesulfonic acid	19		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorooctanesulfonic acid	8.9		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		09/28/21 17:33	09/30/21 18:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	96		70 - 130	09/28/21 17:33	09/30/21 18:02	1
13C2 PFDA	90		70 - 130	09/28/21 17:33	09/30/21 18:02	1
13C2 PFHxA	83		70 - 130	09/28/21 17:33	09/30/21 18:02	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-56482-6

FB

Date Collected: 09/21/21 09:30

Matrix: Potable Water

Date Received: 09/24/21 17:07

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		09/28/21 17:33	09/30/21 18:13	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:13	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-56482-6

FB

Date Collected: 09/21/21 09:30

Matrix: Potable Water

Date Received: 09/24/21 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	102		70 - 130	09/28/21 17:33	09/30/21 18:13	1
13C2 PFDA	95		70 - 130	09/28/21 17:33	09/30/21 18:13	1
13C2 PFHxA	87		70 - 130	09/28/21 17:33	09/30/21 18:13	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-56482-7

Date Collected: 09/21/21 09:25

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	6.5		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorobutanesulfonic acid	2.1		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 18:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	90		70 - 130	09/28/21 17:33	09/30/21 18:25	1
13C2 PFDA	97		70 - 130	09/28/21 17:33	09/30/21 18:25	1
13C2 PFHxA	88		70 - 130	09/28/21 17:33	09/30/21 18:25	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-56482-8

Date Collected: 09/21/21 09:25

Matrix: Potable Water

Date Received: 09/24/21 17:07

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	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:36	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-56482-8

Date Collected: 09/21/21 09:25

Matrix: Potable Water

Date Received: 09/24/21 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	90		70 - 130	09/28/21 17:33	09/30/21 18:36	1
13C2 PFDA	98		70 - 130	09/28/21 17:33	09/30/21 18:36	1
13C2 PFHxA	89		70 - 130	09/28/21 17:33	09/30/21 18:36	1

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-56482-9

Date Collected: 09/21/21 09:20

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	6.2		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorobutanesulfonic acid	2.1		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	82		70 - 130	09/28/21 17:33	09/30/21 18:48	1
13C2 PFDA	91		70 - 130	09/28/21 17:33	09/30/21 18:48	1
13C2 PFHxA	82		70 - 130	09/28/21 17:33	09/30/21 18:48	1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-56482-10

Date Collected: 09/21/21 09:20

Matrix: Potable Water

Date Received: 09/24/21 17:07

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		09/28/21 17:33	09/30/21 18:59	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 18:59	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-56482-10

Date Collected: 09/21/21 09:20

Matrix: Potable Water

Date Received: 09/24/21 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	94		70 - 130	09/28/21 17:33	09/30/21 18:59	1
13C2 PFDA	93		70 - 130	09/28/21 17:33	09/30/21 18:59	1
13C2 PFHxA	86		70 - 130	09/28/21 17:33	09/30/21 18:59	1

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-56482-11

Date Collected: 09/21/21 10:00

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	7.9		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluoroheptanoic acid	3.1		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorooctanoic acid	8.2		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorobutanesulfonic acid	4.1		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorohexanesulfonic acid	4.6		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorooctanesulfonic acid	12		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	88		70 - 130	09/28/21 17:33	09/30/21 19:23	1
13C2 PFDA	96		70 - 130	09/28/21 17:33	09/30/21 19:23	1
13C2 PFHxA	83		70 - 130	09/28/21 17:33	09/30/21 19:23	1

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-56482-12

Date Collected: 09/21/21 10:00

Matrix: Potable Water

Date Received: 09/24/21 17:07

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	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluoroheptanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorooctanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorononanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorodecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorotridecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorotetradecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
NEtFOSAA	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
NMeFOSAA	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluoroundecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1
Perfluorododecanoic acid	<1.9		1.9	0.46	ng/L		09/28/21 17:33	09/30/21 19:34	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-56482-12

Date Collected: 09/21/21 10:00

Matrix: Potable Water

Date Received: 09/24/21 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	101		70 - 130	09/28/21 17:33	09/30/21 19:34	1
13C2 PFDA	97		70 - 130	09/28/21 17:33	09/30/21 19:34	1
13C2 PFHxA	87		70 - 130	09/28/21 17:33	09/30/21 19:34	1

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-56482-13

Date Collected: 09/21/21 10:05

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	4.1		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorooctanoic acid	2.9		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorobutanesulfonic acid	1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorohexanesulfonic acid	2.4		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorooctanesulfonic acid	5.1		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	92		70 - 130	09/28/21 17:33	09/30/21 19:46	1
13C2 PFDA	97		70 - 130	09/28/21 17:33	09/30/21 19:46	1
13C2 PFHxA	85		70 - 130	09/28/21 17:33	09/30/21 19:46	1

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-56482-14

Date Collected: 09/21/21 10:05

Matrix: Potable Water

Date Received: 09/24/21 17:07

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	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 19:57	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-56482-14

Date Collected: 09/21/21 10:05

Matrix: Potable Water

Date Received: 09/24/21 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	92		70 - 130	09/28/21 17:33	09/30/21 19:57	1
13C2 PFDA	90		70 - 130	09/28/21 17:33	09/30/21 19:57	1
13C2 PFHxA	86		70 - 130	09/28/21 17:33	09/30/21 19:57	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-56482-15

Date Collected: 09/21/21 09:55

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	7.5		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluoroheptanoic acid	2.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorooctanoic acid	7.2		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorobutanesulfonic acid	7.1		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorohexanesulfonic acid	5.2		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorooctanesulfonic acid	9.0		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	96		70 - 130	09/28/21 17:33	09/30/21 20:09	1
13C2 PFDA	98		70 - 130	09/28/21 17:33	09/30/21 20:09	1
13C2 PFHxA	89		70 - 130	09/28/21 17:33	09/30/21 20:09	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-56482-16

FB

Date Collected: 09/21/21 09:55

Matrix: Potable Water

Date Received: 09/24/21 17:07

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	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		09/28/21 17:33	09/30/21 20:20	1

Client Sample Results

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

Job ID: 410-56482-1

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

Lab Sample ID: 410-56482-16

Date Collected: 09/21/21 09:55

Matrix: Potable Water

Date Received: 09/24/21 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	87		70 - 130	09/28/21 17:33	09/30/21 20:20	1
13C2 PFDA	90		70 - 130	09/28/21 17:33	09/30/21 20:20	1
13C2 PFHxA	86		70 - 130	09/28/21 17:33	09/30/21 20:20	1

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-56482-17

Date Collected: 09/21/21 09:50

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	8.8		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluoroheptanoic acid	3.0		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorooctanoic acid	6.3		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorobutanesulfonic acid	3.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorohexanesulfonic acid	4.1		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorooctanesulfonic acid	4.5		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		09/28/21 17:33	09/30/21 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	95		70 - 130	09/28/21 17:33	09/30/21 20:32	1
13C2 PFDA	98		70 - 130	09/28/21 17:33	09/30/21 20:32	1
13C2 PFHxA	84		70 - 130	09/28/21 17:33	09/30/21 20:32	1

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-56482-18

Date Collected: 09/21/21 09:50

Matrix: Potable Water

Date Received: 09/24/21 17:07

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		09/28/21 17:33	09/30/21 20:43	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		09/28/21 17:33	09/30/21 20:43	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-56482-18

Date Collected: 09/21/21 09:50

Matrix: Potable Water

Date Received: 09/24/21 17:07

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	87		70 - 130	09/28/21 17:33	09/30/21 20:43	1
13C2 PFDA	91		70 - 130	09/28/21 17:33	09/30/21 20:43	1
13C2 PFHxA	86		70 - 130	09/28/21 17:33	09/30/21 20:43	1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-56482-19

Date Collected: 09/21/21 09:45

Matrix: Drinking Water

Date Received: 09/24/21 17:07

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		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluoroheptanoic acid	2.9		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorooctanoic acid	6.3		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorobutanesulfonic acid	3.7		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorohexanesulfonic acid	4.4		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorooctanesulfonic acid	4.6		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		09/28/21 17:33	09/30/21 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	89		70 - 130	09/28/21 17:33	09/30/21 20:55	1
13C2 PFDA	94		70 - 130	09/28/21 17:33	09/30/21 20:55	1
13C2 PFHxA	83		70 - 130	09/28/21 17:33	09/30/21 20:55	1

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-56482-20

Date Collected: 09/21/21 09:45

Matrix: Potable Water

Date Received: 09/24/21 17:07

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		09/28/21 17:33	09/30/21 21:06	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		09/28/21 17:33	09/30/21 21:06	1

Client Sample Results

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

Job ID: 410-56482-1

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-56482-20

Date Collected: 09/21/21 09:45

Matrix: Potable Water

Date Received: 09/24/21 17:07

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	94		70 - 130	09/28/21 17:33	09/30/21 21:06	1
13C2 PFDA	98		70 - 130	09/28/21 17:33	09/30/21 21:06	1
13C2 PFHxA	85		70 - 130	09/28/21 17:33	09/30/21 21:06	1

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Surrogate Summary

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

Job ID: 410-56482-1

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)
410-56482-1	7670061 002 Coppersmith Well	87	93	85
410-56482-3	7670061 003 DuPont Well	92	103	88
410-56482-3 - DL	7670061 003 DuPont Well	94	92	91
410-56482-5	7670061 302 DuPont Between Lead & Lag	96	90	83
410-56482-7	7670061 302 DuPont After Lag Vessel	90	97	88
410-56482-9	7670061 102 DuPont EP	82	91	82
410-56482-11	7670061 001 Playground Well	88	96	83
410-56482-13	7670061 005 Conley Well	92	97	85
410-56482-15	7670061 301 Conley Between Lead & Lag	96	98	89
410-56482-17	7670061 301 Conley After Lag Vessel	95	98	84
410-56482-19	7670061 101 Conley EP Grab Water	89	94	83
LCS 410-176425/2-A	Lab Control Sample	91	96	85
LCSD 410-176425/3-A	Lab Control Sample Dup	95	101	93
LLCS 410-176425/4-A	Lab Control Sample	92	100	89
MB 410-176425/1-A	Method Blank	91	91	86

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)
410-56482-2	7670061 002 Coppersmith Well FB	82	91	86
410-56482-4	7670061 003 DuPont Well FB	92	94	91
410-56482-6	7670061 302 DuPont Between Lead & Lag FB	102	95	87
410-56482-8	7670061 302 DuPont After Lag Vessel FB	90	98	89
410-56482-10	7670061 102 DuPont EP FB	94	93	86
410-56482-12	7670061 001 Playground Well FB	101	97	87
410-56482-14	7670061 005 Conley Well FB	92	90	86
410-56482-16	7670061 301 Conley Between Lead & Lag FB	87	90	86
410-56482-18	7670061 301 Conley After Lag Vessel FB	87	91	86
410-56482-20	7670061 101 Conley Field Blank Grab Water	94	98	85

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: 410-56482-1

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Lab Sample ID: MB 410-176425/1-A
Matrix: Drinking Water
Analysis Batch: 177222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 176425

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		09/28/21 17:33	09/30/21 16:30	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	91		70 - 130	09/28/21 17:33	09/30/21 16:30	1
13C2 PFDA	91		70 - 130	09/28/21 17:33	09/30/21 16:30	1
13C2 PFHxA	86		70 - 130	09/28/21 17:33	09/30/21 16:30	1

Lab Sample ID: LCS 410-176425/2-A
Matrix: Drinking Water
Analysis Batch: 177222

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 176425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Perfluorohexanoic acid	80.0	61.4		ng/L		77	70 - 130
Perfluoroheptanoic acid	80.0	62.7		ng/L		78	70 - 130
Perfluorooctanoic acid	80.0	65.2		ng/L		82	70 - 130
Perfluorononanoic acid	80.0	69.0		ng/L		86	70 - 130
Perfluorodecanoic acid	80.0	68.1		ng/L		85	70 - 130
Perfluorotridecanoic acid	80.0	67.4		ng/L		84	70 - 130
Perfluorotetradecanoic acid	80.0	66.2		ng/L		83	70 - 130
Perfluorobutanesulfonic acid	70.8	59.7		ng/L		84	70 - 130
Perfluorohexanesulfonic acid	73.0	62.8		ng/L		86	70 - 130
Perfluorooctanesulfonic acid	74.0	62.6		ng/L		85	70 - 130
NEtFOSAA	80.0	73.7		ng/L		92	70 - 130
NMeFOSAA	80.0	68.1		ng/L		85	70 - 130
Perfluoroundecanoic acid	80.0	67.8		ng/L		85	70 - 130
Perfluorododecanoic acid	80.0	78.9		ng/L		99	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	91		70 - 130
13C2 PFDA	96		70 - 130
13C2 PFHxA	85		70 - 130

QC Sample Results

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

Job ID: 410-56482-1

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

Lab Sample ID: LCSD 410-176425/3-A

Matrix: Drinking Water

Analysis Batch: 177222

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 176425

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	80.0	65.4		ng/L		82	70 - 130	6	30	
Perfluoroheptanoic acid	80.0	66.9		ng/L		84	70 - 130	7	30	
Perfluorooctanoic acid	80.0	66.2		ng/L		83	70 - 130	2	30	
Perfluorononanoic acid	80.0	72.0		ng/L		90	70 - 130	4	30	
Perfluorodecanoic acid	80.0	71.3		ng/L		89	70 - 130	4	30	
Perfluorotridecanoic acid	80.0	69.9		ng/L		87	70 - 130	4	30	
Perfluorotetradecanoic acid	80.0	69.5		ng/L		87	70 - 130	5	30	
Perfluorobutanesulfonic acid	70.8	62.2		ng/L		88	70 - 130	4	30	
Perfluorohexanesulfonic acid	73.0	64.2		ng/L		88	70 - 130	2	30	
Perfluorooctanesulfonic acid	74.0	63.9		ng/L		86	70 - 130	2	30	
NEtFOSAA	80.0	70.7		ng/L		88	70 - 130	4	30	
NMeFOSAA	80.0	64.2		ng/L		80	70 - 130	6	30	
Perfluoroundecanoic acid	80.0	72.3		ng/L		90	70 - 130	6	30	
Perfluorododecanoic acid	80.0	69.4		ng/L		87	70 - 130	13	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	95		70 - 130
13C2 PFDA	101		70 - 130
13C2 PFHxA	93		70 - 130

Lab Sample ID: LLCS 410-176425/4-A

Matrix: Drinking Water

Analysis Batch: 177222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 176425

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	1.92	1.76	J	ng/L		92	50 - 150			
Perfluoroheptanoic acid	1.92	1.74	J	ng/L		91	50 - 150			
Perfluorooctanoic acid	1.92	1.99	J	ng/L		104	50 - 150			
Perfluorononanoic acid	1.92	1.92	J	ng/L		100	50 - 150			
Perfluorodecanoic acid	1.92	1.86	J	ng/L		97	50 - 150			
Perfluorotridecanoic acid	1.92	1.82	J	ng/L		95	50 - 150			
Perfluorotetradecanoic acid	1.92	1.82	J	ng/L		95	50 - 150			
Perfluorobutanesulfonic acid	1.70	1.51	J	ng/L		89	50 - 150			
Perfluorohexanesulfonic acid	1.75	1.58	J	ng/L		90	50 - 150			
Perfluorooctanesulfonic acid	1.78	1.67	J	ng/L		94	50 - 150			
NEtFOSAA	1.92	1.86	J	ng/L		97	50 - 150			
NMeFOSAA	1.92	1.78	J	ng/L		93	50 - 150			
Perfluoroundecanoic acid	1.92	1.84	J	ng/L		96	50 - 150			
Perfluorododecanoic acid	1.92	2.18		ng/L		114	50 - 150			

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	92		70 - 130
13C2 PFDA	100		70 - 130
13C2 PFHxA	89		70 - 130

QC Association Summary

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

Job ID: 410-56482-1

LCMS

Prep Batch: 176425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-56482-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-6	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-7	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-8	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-9	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-10	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-11	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-12	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-13	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-14	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-15	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-16	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-56482-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-56482-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-176425/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-176425/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-176425/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-176425/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 177222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-56482-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-6	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-7	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-8	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-9	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-10	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-11	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-12	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-13	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-14	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-15	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-16	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
410-56482-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
410-56482-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	176425
MB 410-176425/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
LCS 410-176425/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425
LCSD 410-176425/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425

QC Association Summary

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

Job ID: 410-56482-1

LCMS (Continued)

Analysis Batch: 177222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 410-176425/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425

Analysis Batch: 178883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-56482-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	176425

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Lab Chronicle

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

Job ID: 410-56482-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-56482-1

Date Collected: 09/21/21 09:10

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 17:16	DCS9	ELLE

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-56482-2

Date Collected: 09/21/21 09:10

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 17:27	DCS9	ELLE

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-56482-3

Date Collected: 09/21/21 09:35

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 17:39	DCS9	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	178883	10/05/21 12:14	DCS9	ELLE

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-56482-4

Date Collected: 09/21/21 09:35

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 17:50	DCS9	ELLE

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-56482-5

Date Collected: 09/21/21 09:30

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 18:02	DCS9	ELLE

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

Lab Sample ID: 410-56482-6

Date Collected: 09/21/21 09:30

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 18:13	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-56482-1

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-56482-7

Date Collected: 09/21/21 09:25

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 18:25	DCS9	ELLE

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-56482-8

Date Collected: 09/21/21 09:25

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 18:36	DCS9	ELLE

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-56482-9

Date Collected: 09/21/21 09:20

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 18:48	DCS9	ELLE

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-56482-10

Date Collected: 09/21/21 09:20

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 18:59	DCS9	ELLE

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-56482-11

Date Collected: 09/21/21 10:00

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 19:23	DCS9	ELLE

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-56482-12

Date Collected: 09/21/21 10:00

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 19:34	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-56482-1

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-56482-13

Date Collected: 09/21/21 10:05

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 19:46	DCS9	ELLE

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-56482-14

Date Collected: 09/21/21 10:05

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 19:57	DCS9	ELLE

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-56482-15

Date Collected: 09/21/21 09:55

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 20:09	DCS9	ELLE

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

Lab Sample ID: 410-56482-16

Date Collected: 09/21/21 09:55

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 20:20	DCS9	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-56482-17

Date Collected: 09/21/21 09:50

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 20:32	DCS9	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-56482-18

Date Collected: 09/21/21 09:50

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 20:43	DCS9	ELLE

Lab Chronicle

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

Job ID: 410-56482-1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-56482-19

Date Collected: 09/21/21 09:45

Matrix: Drinking Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 20:55	DCS9	ELLE

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-56482-20

Date Collected: 09/21/21 09:45

Matrix: Potable Water

Date Received: 09/24/21 17:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			176425	09/28/21 17:33	AX9M	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	177222	09/30/21 21:06	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: 410-56482-1

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

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Method Summary

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

Job ID: 410-56482-1

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: 410-56482-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-56482-1	7670061 002 Coppersmith Well	Drinking Water	09/21/21 09:10	09/24/21 17:07
410-56482-2	7670061 002 Coppersmith Well FB	Potable Water	09/21/21 09:10	09/24/21 17:07
410-56482-3	7670061 003 DuPont Well	Drinking Water	09/21/21 09:35	09/24/21 17:07
410-56482-4	7670061 003 DuPont Well FB	Potable Water	09/21/21 09:35	09/24/21 17:07
410-56482-5	7670061 302 DuPont Between Lead & Lag	Drinking Water	09/21/21 09:30	09/24/21 17:07
410-56482-6	7670061 302 DuPont Between Lead & Lag FB	Potable Water	09/21/21 09:30	09/24/21 17:07
410-56482-7	7670061 302 DuPont After Lag Vessel	Drinking Water	09/21/21 09:25	09/24/21 17:07
410-56482-8	7670061 302 DuPont After Lag Vessel FB	Potable Water	09/21/21 09:25	09/24/21 17:07
410-56482-9	7670061 102 DuPont EP	Drinking Water	09/21/21 09:20	09/24/21 17:07
410-56482-10	7670061 102 DuPont EP FB	Potable Water	09/21/21 09:20	09/24/21 17:07
410-56482-11	7670061 001 Playground Well	Drinking Water	09/21/21 10:00	09/24/21 17:07
410-56482-12	7670061 001 Playground Well FB	Potable Water	09/21/21 10:00	09/24/21 17:07
410-56482-13	7670061 005 Conley Well	Drinking Water	09/21/21 10:05	09/24/21 17:07
410-56482-14	7670061 005 Conley Well FB	Potable Water	09/21/21 10:05	09/24/21 17:07
410-56482-15	7670061 301 Conley Between Lead & Lag	Drinking Water	09/21/21 09:55	09/24/21 17:07
410-56482-16	7670061 301 Conley Between Lead & Lag FB	Potable Water	09/21/21 09:55	09/24/21 17:07
410-56482-17	7670061 301 Conley After Lag Vessel	Drinking Water	09/21/21 09:50	09/24/21 17:07
410-56482-18	7670061 301 Conley After Lag Vessel FB	Potable Water	09/21/21 09:50	09/24/21 17:07
410-56482-19	7670061 101 Conley EP Grab Water	Drinking Water	09/21/21 09:45	09/24/21 17:07
410-56482-20	7670061 101 Conley Field Blank Grab Water	Potable Water	09/21/21 09:45	09/24/21 17:07





Lancaster Laboratories
Environmental



410-56482 Chain of Custody

Analysis Request/Chain of Custody

Sample # _____

Client: SUEZ WATER PA			Matrix			Analyses Requested										For Lab Use Only													
Project Name: Newberry System			Site ID #:			Preservation and Filtration Codes										SF #:													
Project Manager: Elizabeth Zanar			P.O. #:			O										SCR #:													
Sampler: Penny Bumbarger			PWSID #: 7670061			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																										
State where samples were collected: PA			For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																										
Sample Identification			Collection		Grab	Composite	Soil <input type="checkbox"/>	Sediment <input type="checkbox"/>	Tissue <input type="checkbox"/>	Potable <input type="checkbox"/>	Ground <input type="checkbox"/>	Surface <input type="checkbox"/>	Water <input type="checkbox"/>	NPDES <input type="checkbox"/>	Other: GAC Filtered Water <input type="checkbox"/>	Total # of Containers											Remarks		
			Date	Time																							Monthly Compliance		
002 Coppersmith Well			9/21/21	0910	X								X				2	X											
FB - Coppersmith Well			9/21/21	0910													2	X											
003 DuPont Well			9/21/21	0935	X								X				2	X											
FB - DuPont Well			9/21/21	0935													2	X											
302s DuPont Between Lead and Lag			9/21/21	0930	X										X		2	X											
FB - DuPont Between Lead and Lag			9/21/21	0930													2	X											
302s DuPont After Lag			9/21/21	0925	X										X		2	X											
FB - DuPont After Lag			9/21/21	0925													2	X											
EP 102 DuPont			9/21/21	0920	X										X		2	X											
FB - EP 102 DuPont			9/21/21	0920													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.)									<i>Penny Bumbarger</i>		9/24/21	1156	<i>Gabe Dech</i>		9/24/21	1156													
Date results are needed:									Relinquished by:		Date	Time	Received by:		Date	Time													
Rush results requested by (please check):						E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>			<i>Gabe Dech</i>		9/24/21	1640																	
E-mail Address: <u>penny.bumbarger@suez.com</u>									Relinquished by:		Date	Time	Received by:		Date	Time													
Phone: 717-773-0185																													
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"/>																													
Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>																													
Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>																													
NJ DKQP <input type="checkbox"/> NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B									Relinquished by Commercial Carrier:						Date	Time													
EDD Required? Yes <input type="checkbox"/> No <input type="checkbox"/>						If yes, format: _____			UPS _____ FedEx _____ Other _____				Temperature upon receipt		2-2	°C													

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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 #:				Preservation and Filtration Codes								SF #: _____																					
Project Manager: Elizabeth Zonar				P.O. #:				<table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">O</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> </table>								O																				SCR #: _____	
O																																					
Sampler: Penny Bumbarger				PWSID #: 7670061												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		Remarks																	
Phone #: 717-773-0185				Quote #: 219948A																																	
State where samples were collected: PA				For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																	
Sample Identification			Collection		Grab <input type="checkbox"/>	Composite <input type="checkbox"/>	Soil <input type="checkbox"/>	Sediment <input type="checkbox"/>	Tissue <input type="checkbox"/>	Ground <input checked="" type="checkbox"/>	Surface <input type="checkbox"/>	Potable <input type="checkbox"/>	Water <input type="checkbox"/>	NPDES <input type="checkbox"/>	Other: GAC Filtered Water <input type="checkbox"/>	Total # of Containers									Monthly Compliance												
			Date	Time																																	
001 Playground Well			9/21/21	1000	X					X						2	X																				
FB - Playground Well			9/21/21	1000												2	X																				
005 Conley Well			9/21/21	1005	X					X						2	X																				
FB - Conley Well			9/21/21	1005												2	X																				
301s Conley Between Lead and Lag			9/21/21	0955	X									X		2	X																				
FB - Conley Between Lead and Lag			9/21/21	0955												2	X																				
301s Conley After Lag			9/21/21	0950	X									X		2	X																				
FB - Conley After Lag			9/21/21	0950												2	X																				
EP 101 Conley			9/21/21	0945	X									X		2	X																				
FB - EP 101 Conley			9/21/21	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		9/24/21		1156		[Signature]		9/24/21		1156																			
Date results are needed:								Relinquished by:		Date		Time		Received by:		Date		Time																			
Rush results requested by (please check):				E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>				[Signature]		9/24/21		1643																									
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:		Date		Time		Received by:		Date		Time																			
EDD Required? Yes <input type="checkbox"/> No <input type="checkbox"/>				If yes, format: _____				UPS _____ FedEx _____ Other _____		Date		Time		Received by:		Date		Time		Temperature upon receipt		2.2 °C															

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Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-56482-1

Login Number: 56482

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Leakway, Christian

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
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	