


## ANALYTICAL REPORT

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

Laboratory Job ID: 410-27364-1  
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:  
2/3/2021 1:32:29 PM

Elizabeth Zanar, Project Manager  
(717)556-7290  
[Elizabeth.Zanar@eurofinset.com](mailto:Elizabeth.Zanar@eurofinset.com)

### LINKS

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*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*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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Elizabeth Zanar  
Project Manager  
2/3/2021 1:32:29 PM



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# Definitions/Glossary

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

Job ID: 410-27364-1

## Qualifiers

### LCMS

Qualifier	Qualifier Description
E	Result exceeded calibration range.
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: 410-27364-1

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**Job ID: 410-27364-1**

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**Laboratory: Eurofins Lancaster Laboratories Env, LLC**

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**Narrative**

**Job Narrative**  
**410-27364-1**

**Receipt**

The samples were received on 1/22/2021 5:29 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 -0.1°C

**LCMS**

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: 410-27364-1

### Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-27364-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.1		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.8		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.2		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.4		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	13		1.9	0.48	ng/L	1		EPA 537 Ver 1.1	Total/NA

### Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-27364-2

No Detections.

### Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-27364-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.5		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.5		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.7		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.8		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	6.1		1.9	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA

### Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-27364-4

No Detections.

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

Lab Sample ID: 410-27364-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.2		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.2		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.2		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.9		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	5.7		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-27364-6

No Detections.

### Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-27364-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.3		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.4		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.6		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

### Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-27364-8

No Detections.

### Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-27364-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		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: 410-27364-1

## Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-27364-9

(Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid	2.6		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.6		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.8		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	2.7		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA

## Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-27364-10

No Detections.

## Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-27364-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	17		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	8.9		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	9.0		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	7.2		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	8.6		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	67		18	4.5	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	67		18	4.5	ng/L	10		EPA 537 Ver 1.1	Total/NA

## Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-27364-12

No Detections.

## Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-27364-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.5		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.9		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.4		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.8		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	87		18	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	73		18	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA

## Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-27364-14

No Detections.

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

Lab Sample ID: 410-27364-15

No Detections.

## Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-27364-17

No Detections.

## Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-27364-19

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: 410-27364-1

**Client Sample ID: 7670061 001 Playground Well**

**Lab Sample ID: 410-27364-1**

Date Collected: 01/21/21 09:40

Matrix: Drinking Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	11		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluoroheptanoic acid	3.1		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorooctanoic acid	6.8		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorobutanesulfonic acid	4.2		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorohexanesulfonic acid	5.4		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorooctanesulfonic acid	13		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 18:14	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	93		70 - 130				01/26/21 19:05	01/30/21 18:14	1
13C2 PFDA	90		70 - 130				01/26/21 19:05	01/30/21 18:14	1
13C2 PFHxA	91		70 - 130				01/26/21 19:05	01/30/21 18:14	1

**Client Sample ID: 7670061 001 Playground Well FB**

**Lab Sample ID: 410-27364-2**

Date Collected: 01/21/21 09:40

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 18:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	121		70 - 130				01/26/21 19:05	01/30/21 18:26	1
13C2 PFDA	115		70 - 130				01/26/21 19:05	01/30/21 18:26	1
13C2 PFHxA	116		70 - 130				01/26/21 19:05	01/30/21 18:26	1



# Client Sample Results

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 005 Conley Well**

**Lab Sample ID: 410-27364-3**

Date Collected: 01/21/21 09:35

Matrix: Drinking Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Perfluorohexanoic acid</b>	<b>7.5</b>		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
Perfluoroheptanoic acid	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
<b>Perfluorooctanoic acid</b>	<b>3.5</b>		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
Perfluorononanoic acid	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
Perfluorodecanoic acid	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
Perfluorotridecanoic acid	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
Perfluorotetradecanoic acid	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
<b>Perfluorobutanesulfonic acid</b>	<b>2.7</b>		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
<b>Perfluorohexanesulfonic acid</b>	<b>3.8</b>		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
<b>Perfluorooctanesulfonic acid</b>	<b>6.1</b>		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
NEtFOSAA	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
NMeFOSAA	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
Perfluoroundecanoic acid	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
Perfluorododecanoic acid	<1.9		1.9	0.46	ng/L		01/26/21 19:05	01/30/21 18:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	105		70 - 130				01/26/21 19:05	01/30/21 18:37	1
13C2 PFDA	113		70 - 130				01/26/21 19:05	01/30/21 18:37	1
13C2 PFHxA	113		70 - 130				01/26/21 19:05	01/30/21 18:37	1

**Client Sample ID: 7670061 005 Conley Well FB**

**Lab Sample ID: 410-27364-4**

Date Collected: 01/21/21 09:35

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluoroheptanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorooctanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorononanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorodecanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorotridecanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorotetradecanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
NEtFOSAA	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
NMeFOSAA	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluoroundecanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
Perfluorododecanoic acid	<2.0		2.0	0.49	ng/L		01/26/21 19:05	01/30/21 19:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	110		70 - 130				01/26/21 19:05	01/30/21 19:00	1
13C2 PFDA	121		70 - 130				01/26/21 19:05	01/30/21 19:00	1
13C2 PFHxA	118		70 - 130				01/26/21 19:05	01/30/21 19:00	1

# Client Sample Results

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

Job ID: 410-27364-1

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

**Lab Sample ID: 410-27364-5**

Date Collected: 01/21/21 09:30

Matrix: Drinking Water

Date Received: 01/22/21 17:29

**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	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluoroheptanoic acid	3.2		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorooctanoic acid	6.2		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorobutanesulfonic acid	4.2		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorohexanesulfonic acid	4.9		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorooctanesulfonic acid	5.7		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	111		70 - 130				01/26/21 19:05	01/30/21 19:12	1
13C2 PFDA	119		70 - 130				01/26/21 19:05	01/30/21 19:12	1
13C2 PFHxA	111		70 - 130				01/26/21 19:05	01/30/21 19:12	1

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

**Lab Sample ID: 410-27364-6**

**FB**

Date Collected: 01/21/21 09:30

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluoroheptanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorooctanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 19:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	121		70 - 130				01/26/21 19:05	01/30/21 19:23	1
13C2 PFDA	112		70 - 130				01/26/21 19:05	01/30/21 19:23	1
13C2 PFHxA	118		70 - 130				01/26/21 19:05	01/30/21 19:23	1

# Client Sample Results

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 301 Conley After Lag Vessel**

**Lab Sample ID: 410-27364-7**

Date Collected: 01/21/21 09:25

Matrix: Drinking Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	11		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluoroheptanoic acid	2.3		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorooctanoic acid	3.4		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorobutanesulfonic acid	3.6		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorohexanesulfonic acid	2.4		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 19:35	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	114		70 - 130				01/26/21 19:05	01/30/21 19:35	1
13C2 PFDA	113		70 - 130				01/26/21 19:05	01/30/21 19:35	1
13C2 PFHxA	115		70 - 130				01/26/21 19:05	01/30/21 19:35	1

**Client Sample ID: 7670061 301 Conley After Lag Vessel FB**

**Lab Sample ID: 410-27364-8**

Date Collected: 01/21/21 09:25

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluoroheptanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorooctanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorononanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorodecanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorotridecanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorotetradecanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
NEtFOSAA	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
NMeFOSAA	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluoroundecanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
Perfluorododecanoic acid	<1.9		1.9	0.49	ng/L		01/26/21 19:05	01/30/21 19:46	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	121		70 - 130				01/26/21 19:05	01/30/21 19:46	1
13C2 PFDA	120		70 - 130				01/26/21 19:05	01/30/21 19:46	1
13C2 PFHxA	120		70 - 130				01/26/21 19:05	01/30/21 19:46	1

# Client Sample Results

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 101 Conley EP Grab Water**

**Lab Sample ID: 410-27364-9**

Date Collected: 01/21/21 09:20

Matrix: Drinking Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	11		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluoroheptanoic acid	2.6		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorooctanoic acid	3.6		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorobutanesulfonic acid	3.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorohexanesulfonic acid	2.7		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		01/26/21 19:05	01/30/21 19:58	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	111		70 - 130				01/26/21 19:05	01/30/21 19:58	1
13C2 PFDA	112		70 - 130				01/26/21 19:05	01/30/21 19:58	1
13C2 PFHxA	119		70 - 130				01/26/21 19:05	01/30/21 19:58	1

**Client Sample ID: 7670061 101 Conley Field Blank Grab Water**

**Lab Sample ID: 410-27364-10**

Date Collected: 01/21/21 09:20

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluoroheptanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorooctanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		01/26/21 19:05	01/30/21 20:09	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	114		70 - 130				01/26/21 19:05	01/30/21 20:09	1
13C2 PFDA	111		70 - 130				01/26/21 19:05	01/30/21 20:09	1
13C2 PFHxA	111		70 - 130				01/26/21 19:05	01/30/21 20:09	1

# Client Sample Results

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 002 Coppersmith Well**

**Lab Sample ID: 410-27364-11**

Date Collected: 01/21/21 08:35

Matrix: Drinking Water

Date Received: 01/22/21 17:29

**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		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluoroheptanoic acid	8.9		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluorooctanoic acid	9.0		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluorononanoic acid	7.2		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluorobutanesulfonic acid	8.6		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		01/26/21 19:05	01/30/21 20:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	108		70 - 130				01/26/21 19:05	01/30/21 20:20	1
13C2 PFDA	127		70 - 130				01/26/21 19:05	01/30/21 20:20	1
13C2 PFHxA	123		70 - 130				01/26/21 19:05	01/30/21 20:20	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	67		18	4.5	ng/L		01/26/21 19:05	02/02/21 18:55	10
Perfluorooctanesulfonic acid	67		18	4.5	ng/L		01/26/21 19:05	02/02/21 18:55	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	102		70 - 130				01/26/21 19:05	02/02/21 18:55	10
13C2 PFDA	116		70 - 130				01/26/21 19:05	02/02/21 18:55	10
13C2 PFHxA	111		70 - 130				01/26/21 19:05	02/02/21 18:55	10

**Client Sample ID: 7670061 002 Coppersmith Well FB**

**Lab Sample ID: 410-27364-12**

Date Collected: 01/21/21 08:35

Matrix: Potable Water

Date Received: 01/22/21 17:29

**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		01/26/21 19:05	01/30/21 20:32	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		01/26/21 19:05	01/30/21 20:32	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	107		70 - 130				01/26/21 19:05	01/30/21 20:32	1

# Client Sample Results

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 002 Coppersmith Well FB**

**Lab Sample ID: 410-27364-12**

Date Collected: 01/21/21 08:35

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	118		70 - 130	01/26/21 19:05	01/30/21 20:32	1
13C2 PFHxA	119		70 - 130	01/26/21 19:05	01/30/21 20:32	1

**Client Sample ID: 7670061 003 DuPont Well**

**Lab Sample ID: 410-27364-13**

Date Collected: 01/21/21 09:00

Matrix: Drinking Water

Date Received: 01/22/21 17:29

**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	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluoroheptanoic acid	2.9		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluorooctanoic acid	5.4		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluorobutanesulfonic acid	6.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	105		70 - 130	01/27/21 07:00	01/29/21 14:53	1
13C2 PFDA	114		70 - 130	01/27/21 07:00	01/29/21 14:53	1
13C2 PFHxA	118		70 - 130	01/27/21 07:00	01/29/21 14:53	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	87		18	4.6	ng/L		01/27/21 07:00	01/30/21 22:27	10
Perfluorooctanesulfonic acid	73		18	4.6	ng/L		01/27/21 07:00	01/30/21 22:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	82		70 - 130	01/27/21 07:00	01/30/21 22:27	10
13C2 PFDA	87		70 - 130	01/27/21 07:00	01/30/21 22:27	10
13C2 PFHxA	97		70 - 130	01/27/21 07:00	01/30/21 22:27	10

**Client Sample ID: 7670061 003 DuPont Well FB**

**Lab Sample ID: 410-27364-14**

Date Collected: 01/21/21 09:00

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluoroheptanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorooctanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorononanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorodecanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorotridecanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorotetradecanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1

# Client Sample Results

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 003 DuPont Well FB**

**Lab Sample ID: 410-27364-14**

Date Collected: 01/21/21 09:00

Matrix: Potable Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
NEtFOSAA	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
NMeFOSAA	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluoroundecanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Perfluorododecanoic acid	<2.0		2.0	0.49	ng/L		01/27/21 07:00	01/29/21 15:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	111		70 - 130				01/27/21 07:00	01/29/21 15:04	1
13C2 PFDA	125		70 - 130				01/27/21 07:00	01/29/21 15:04	1
13C2 PFHxA	122		70 - 130				01/27/21 07:00	01/29/21 15:04	1

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

**Lab Sample ID: 410-27364-15**

Date Collected: 01/21/21 08:55

Matrix: Drinking Water

Date Received: 01/22/21 17:29

**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		01/27/21 07:00	01/29/21 15:16	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		01/27/21 07:00	01/29/21 15:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	109		70 - 130				01/27/21 07:00	01/29/21 15:16	1
13C2 PFDA	121		70 - 130				01/27/21 07:00	01/29/21 15:16	1
13C2 PFHxA	125		70 - 130				01/27/21 07:00	01/29/21 15:16	1

**Client Sample ID: 7670061 302 DuPont After Lag Vessel**

**Lab Sample ID: 410-27364-17**

Date Collected: 01/21/21 08:50

Matrix: Drinking Water

Date Received: 01/22/21 17:29

**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		01/27/21 07:00	01/29/21 15:39	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1



# Client Sample Results

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 302 DuPont After Lag Vessel**

**Lab Sample ID: 410-27364-17**

Date Collected: 01/21/21 08:50

Matrix: Drinking Water

Date Received: 01/22/21 17:29

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		01/27/21 07:00	01/29/21 15:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	111		70 - 130	01/27/21 07:00	01/29/21 15:39	1
13C2 PFDA	101		70 - 130	01/27/21 07:00	01/29/21 15:39	1
13C2 PFHxA	100		70 - 130	01/27/21 07:00	01/29/21 15:39	1

**Client Sample ID: 7670061 102 DuPont EP**

**Lab Sample ID: 410-27364-19**

Date Collected: 01/21/21 08:45

Matrix: Drinking Water

Date Received: 01/22/21 17:29

**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		01/27/21 07:00	01/29/21 16:13	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		01/27/21 07:00	01/29/21 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	111		70 - 130	01/27/21 07:00	01/29/21 16:13	1
13C2 PFDA	123		70 - 130	01/27/21 07:00	01/29/21 16:13	1
13C2 PFHxA	125		70 - 130	01/27/21 07:00	01/29/21 16:13	1



# Surrogate Summary

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

Job ID: 410-27364-1

## 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)
410-27364-1	7670061 001 Playground Well	93	90	91
410-27364-3	7670061 005 Conley Well	105	113	113
410-27364-5	7670061 301 Conley Between Lead & Lag	111	119	111
410-27364-7	7670061 301 Conley After Lag Vessel	114	113	115
410-27364-9	7670061 101 Conley EP Grab Water	111	112	119
410-27364-11	7670061 002 Coppersmith Well	108	127	123
410-27364-11 - DL	7670061 002 Coppersmith Well	102	116	111
410-27364-13	7670061 003 DuPont Well	105	114	118
410-27364-13 - DL	7670061 003 DuPont Well	82	87	97
410-27364-15	7670061 302 DuPont Between Lead & Lag	109	121	125
410-27364-17	7670061 302 DuPont After Lag Vessel	111	101	100
410-27364-19	7670061 102 DuPont EP	111	123	125
LCS 410-88265/2-A	Lab Control Sample	112	116	120
LCS 410-88388/2-A	Lab Control Sample	105	121	122
LCS 410-88388/3-A	Lab Control Sample Dup	101	119	117
LLCS 410-88265/3-A	Lab Control Sample	119	124	120
LLCS 410-88388/4-A	Lab Control Sample	116	118	120
MB 410-88265/1-A	Method Blank	111	119	119
MB 410-88388/1-A	Method Blank	114	115	116

**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)
410-27364-2	7670061 001 Playground Well FB	121	115	116
410-27364-4	7670061 005 Conley Well FB	110	121	118
410-27364-6	7670061 301 Conley Between Lead & Lag FB	121	112	118
410-27364-8	7670061 301 Conley After Lag Vessel FB	121	120	120
410-27364-10	7670061 101 Conley Field Blank Grab Water	114	111	111
410-27364-12	7670061 002 Coppersmith Well FB	107	118	119
410-27364-14	7670061 003 DuPont Well FB	111	125	122

**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: 410-27364-1

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

**Lab Sample ID: MB 410-88265/1-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 89644**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 88265**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		01/26/21 19:05	01/30/21 16:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	111		70 - 130	01/26/21 19:05	01/30/21 16:20	1
13C2 PFDA	119		70 - 130	01/26/21 19:05	01/30/21 16:20	1
13C2 PFHxA	119		70 - 130	01/26/21 19:05	01/30/21 16:20	1

**Lab Sample ID: LCS 410-88265/2-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 89644**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 88265**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Perfluorohexanoic acid	20.5	22.1		ng/L		108	70 - 130
Perfluoroheptanoic acid	20.5	22.9		ng/L		112	70 - 130
Perfluorooctanoic acid	20.5	22.5		ng/L		110	70 - 130
Perfluorononanoic acid	20.5	23.7		ng/L		116	70 - 130
Perfluorodecanoic acid	20.5	24.0		ng/L		117	70 - 130
Perfluorotridecanoic acid	20.5	23.5		ng/L		115	70 - 130
Perfluorotetradecanoic acid	20.5	23.8		ng/L		116	70 - 130
Perfluorobutanesulfonic acid	18.1	18.6		ng/L		103	70 - 130
Perfluorohexanesulfonic acid	18.7	19.1		ng/L		102	70 - 130
Perfluorooctanesulfonic acid	19.0	19.5		ng/L		103	70 - 130
NEtFOSAA	20.5	20.2		ng/L		98	70 - 130
NMeFOSAA	20.5	21.7		ng/L		106	70 - 130
Perfluoroundecanoic acid	20.5	23.7		ng/L		116	70 - 130
Perfluorododecanoic acid	20.5	24.3		ng/L		119	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	112		70 - 130
13C2 PFDA	116		70 - 130
13C2 PFHxA	120		70 - 130

# QC Sample Results

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

Job ID: 410-27364-1

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

Lab Sample ID: LLCS 410-88265/3-A

Matrix: Drinking Water

Analysis Batch: 89644

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88265

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	1.92	1.94	J	ng/L		101	50 - 150
Perfluoroheptanoic acid	1.92	1.93	J	ng/L		100	50 - 150
Perfluorooctanoic acid	1.92	2.03		ng/L		106	50 - 150
Perfluorononanoic acid	1.92	2.06		ng/L		107	50 - 150
Perfluorodecanoic acid	1.92	2.02		ng/L		105	50 - 150
Perfluorotridecanoic acid	1.92	1.97	J	ng/L		103	50 - 150
Perfluorotetradecanoic acid	1.92	2.00		ng/L		104	50 - 150
Perfluorobutanesulfonic acid	1.70	1.67	J	ng/L		98	50 - 150
Perfluorohexanesulfonic acid	1.75	1.64	J	ng/L		94	50 - 150
Perfluorooctanesulfonic acid	1.78	1.89	J	ng/L		106	50 - 150
NEtFOSAA	1.92	2.05		ng/L		107	50 - 150
NMeFOSAA	1.92	1.91	J	ng/L		99	50 - 150
Perfluoroundecanoic acid	1.92	2.03		ng/L		106	50 - 150
Perfluorododecanoic acid	1.92	2.08		ng/L		109	50 - 150

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	119		70 - 130
13C2 PFDA	124		70 - 130
13C2 PFHxA	120		70 - 130

Lab Sample ID: MB 410-88388/1-A

Matrix: Drinking Water

Analysis Batch: 89388

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 88388

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		01/27/21 07:00	01/29/21 17:11	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	114		70 - 130	01/27/21 07:00	01/29/21 17:11	1
13C2 PFDA	115		70 - 130	01/27/21 07:00	01/29/21 17:11	1
13C2 PFHxA	116		70 - 130	01/27/21 07:00	01/29/21 17:11	1

## QC Sample Results

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

Job ID: 410-27364-1

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

Lab Sample ID: LCS 410-88388/2-A

Matrix: Drinking Water

Analysis Batch: 89388

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Perfluorohexanoic acid	80.0	82.5	E	ng/L		103	70 - 130	
Perfluoroheptanoic acid	80.0	85.4	E	ng/L		107	70 - 130	
Perfluorooctanoic acid	80.0	86.6	E	ng/L		108	70 - 130	
Perfluorononanoic acid	80.0	91.6	E	ng/L		114	70 - 130	
Perfluorodecanoic acid	80.0	92.1	E	ng/L		115	70 - 130	
Perfluorotridecanoic acid	80.0	84.5	E	ng/L		106	70 - 130	
Perfluorotetradecanoic acid	80.0	86.3	E	ng/L		108	70 - 130	
Perfluorobutanesulfonic acid	70.8	67.5		ng/L		95	70 - 130	
Perfluorohexanesulfonic acid	73.0	77.5	E	ng/L		106	70 - 130	
Perfluorooctanesulfonic acid	74.0	80.7	E	ng/L		109	70 - 130	
NEtFOSAA	80.0	75.4		ng/L		94	70 - 130	
NMeFOSAA	80.0	81.9	E	ng/L		102	70 - 130	
Perfluoroundecanoic acid	80.0	88.8	E	ng/L		111	70 - 130	
Perfluorododecanoic acid	80.0	87.6	E	ng/L		110	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	105		70 - 130
13C2 PFDA	121		70 - 130
13C2 PFHxA	122		70 - 130

Lab Sample ID: LCSD 410-88388/3-A

Matrix: Drinking Water

Analysis Batch: 89388

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 88388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	
							Limits		RPD	Limit
Perfluorohexanoic acid	80.0	81.1	E	ng/L		101	70 - 130	2	30	
Perfluoroheptanoic acid	80.0	83.9	E	ng/L		105	70 - 130	2	30	
Perfluorooctanoic acid	80.0	85.4	E	ng/L		107	70 - 130	1	30	
Perfluorononanoic acid	80.0	90.5	E	ng/L		113	70 - 130	1	30	
Perfluorodecanoic acid	80.0	89.4	E	ng/L		112	70 - 130	3	30	
Perfluorotridecanoic acid	80.0	84.2	E	ng/L		105	70 - 130	0	30	
Perfluorotetradecanoic acid	80.0	85.9	E	ng/L		107	70 - 130	0	30	
Perfluorobutanesulfonic acid	70.8	72.7	E	ng/L		103	70 - 130	7	30	
Perfluorohexanesulfonic acid	73.0	78.1	E	ng/L		107	70 - 130	1	30	
Perfluorooctanesulfonic acid	74.0	83.5	E	ng/L		113	70 - 130	3	30	
NEtFOSAA	80.0	74.1		ng/L		93	70 - 130	2	30	
NMeFOSAA	80.0	79.6		ng/L		99	70 - 130	3	30	
Perfluoroundecanoic acid	80.0	86.2	E	ng/L		108	70 - 130	3	30	
Perfluorododecanoic acid	80.0	85.3	E	ng/L		107	70 - 130	3	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	101		70 - 130
13C2 PFDA	119		70 - 130
13C2 PFHxA	117		70 - 130

# QC Sample Results

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

Job ID: 410-27364-1

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

Lab Sample ID: LLCS 410-88388/4-A

Matrix: Drinking Water

Analysis Batch: 89388

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 88388

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	1.92	1.92	J	ng/L		100	50 - 150
Perfluoroheptanoic acid	1.92	1.81	J	ng/L		94	50 - 150
Perfluorooctanoic acid	1.92	1.97	J	ng/L		103	50 - 150
Perfluorononanoic acid	1.92	2.04		ng/L		106	50 - 150
Perfluorodecanoic acid	1.92	2.02		ng/L		105	50 - 150
Perfluorotridecanoic acid	1.92	1.95	J	ng/L		102	50 - 150
Perfluorotetradecanoic acid	1.92	1.90	J	ng/L		99	50 - 150
Perfluorobutanesulfonic acid	1.70	1.65	J	ng/L		97	50 - 150
Perfluorohexanesulfonic acid	1.75	1.67	J	ng/L		96	50 - 150
Perfluorooctanesulfonic acid	1.78	1.92	J	ng/L		108	50 - 150
NEtFOSAA	1.92	1.86	J	ng/L		97	50 - 150
NMeFOSAA	1.92	2.01		ng/L		105	50 - 150
Perfluoroundecanoic acid	1.92	1.93	J	ng/L		101	50 - 150
Perfluorododecanoic acid	1.92	2.00		ng/L		104	50 - 150

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	116		70 - 130
13C2 PFDA	118		70 - 130
13C2 PFHxA	120		70 - 130

# QC Association Summary

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

Job ID: 410-27364-1

## LCMS

### Prep Batch: 88265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-27364-1	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-2	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-27364-3	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-4	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-27364-5	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-6	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-27364-7	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-8	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-27364-9	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-10	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-27364-11 - DL	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-11	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-12	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-88265/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-88265/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-88265/3-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

### Prep Batch: 88388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-27364-13	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-13 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-14	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-27364-15	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-17	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-27364-19	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	
MB 410-88388/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-88388/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-88388/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-88388/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

### Analysis Batch: 89388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-27364-13	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388
410-27364-14	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	88388
410-27364-15	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388
410-27364-17	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388
410-27364-19	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388
MB 410-88388/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388
LCS 410-88388/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388
LCSD 410-88388/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388
LLCS 410-88388/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388

### Analysis Batch: 89644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-27364-1	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265
410-27364-2	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	88265
410-27364-3	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265
410-27364-4	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	88265
410-27364-5	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265
410-27364-6	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	88265
410-27364-7	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265

# QC Association Summary

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

Job ID: 410-27364-1

## LCMS (Continued)

### Analysis Batch: 89644 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-27364-8	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	88265
410-27364-9	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265
410-27364-10	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	88265
410-27364-11	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265
410-27364-12	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	88265
MB 410-88265/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265
LCS 410-88265/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265
LLCS 410-88265/3-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265

### Analysis Batch: 89736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-27364-13 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	88388

### Analysis Batch: 90097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-27364-11 - DL	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	88265

# Lab Chronicle

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 001 Playground Well**

**Lab Sample ID: 410-27364-1**

Date Collected: 01/21/21 09:40

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 18:14	PY4D	ELLE

**Client Sample ID: 7670061 001 Playground Well FB**

**Lab Sample ID: 410-27364-2**

Date Collected: 01/21/21 09:40

Matrix: Potable Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 18:26	PY4D	ELLE

**Client Sample ID: 7670061 005 Conley Well**

**Lab Sample ID: 410-27364-3**

Date Collected: 01/21/21 09:35

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 18:37	PY4D	ELLE

**Client Sample ID: 7670061 005 Conley Well FB**

**Lab Sample ID: 410-27364-4**

Date Collected: 01/21/21 09:35

Matrix: Potable Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 19:00	PY4D	ELLE

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

**Lab Sample ID: 410-27364-5**

Date Collected: 01/21/21 09:30

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 19:12	PY4D	ELLE

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

**Lab Sample ID: 410-27364-6**

Date Collected: 01/21/21 09:30

Matrix: Potable Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 19:23	PY4D	ELLE



# Lab Chronicle

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 301 Conley After Lag Vessel**

**Lab Sample ID: 410-27364-7**

Date Collected: 01/21/21 09:25

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 19:35	PY4D	ELLE

**Client Sample ID: 7670061 301 Conley After Lag Vessel FB**

**Lab Sample ID: 410-27364-8**

Date Collected: 01/21/21 09:25

Matrix: Potable Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 19:46	PY4D	ELLE

**Client Sample ID: 7670061 101 Conley EP Grab Water**

**Lab Sample ID: 410-27364-9**

Date Collected: 01/21/21 09:20

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 19:58	PY4D	ELLE

**Client Sample ID: 7670061 101 Conley Field Blank Grab Water**

**Lab Sample ID: 410-27364-10**

Date Collected: 01/21/21 09:20

Matrix: Potable Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 20:09	PY4D	ELLE

**Client Sample ID: 7670061 002 Coppersmith Well**

**Lab Sample ID: 410-27364-11**

Date Collected: 01/21/21 08:35

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 20:20	PY4D	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	90097	02/02/21 18:55	PY4D	ELLE

**Client Sample ID: 7670061 002 Coppersmith Well FB**

**Lab Sample ID: 410-27364-12**

Date Collected: 01/21/21 08:35

Matrix: Potable Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88265	01/26/21 19:05	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89644	01/30/21 20:32	PY4D	ELLE

# Lab Chronicle

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

Job ID: 410-27364-1

**Client Sample ID: 7670061 003 DuPont Well**

**Lab Sample ID: 410-27364-13**

Date Collected: 01/21/21 09:00

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88388	01/27/21 07:00	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89388	01/29/21 14:53	Y6ZN	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		88388	01/27/21 07:00	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	89736	01/30/21 22:27	PY4D	ELLE

**Client Sample ID: 7670061 003 DuPont Well FB**

**Lab Sample ID: 410-27364-14**

Date Collected: 01/21/21 09:00

Matrix: Potable Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88388	01/27/21 07:00	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89388	01/29/21 15:04	Y6ZN	ELLE

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

**Lab Sample ID: 410-27364-15**

Date Collected: 01/21/21 08:55

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88388	01/27/21 07:00	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89388	01/29/21 15:16	Y6ZN	ELLE

**Client Sample ID: 7670061 302 DuPont After Lag Vessel**

**Lab Sample ID: 410-27364-17**

Date Collected: 01/21/21 08:50

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88388	01/27/21 07:00	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89388	01/29/21 15:39	Y6ZN	ELLE

**Client Sample ID: 7670061 102 DuPont EP**

**Lab Sample ID: 410-27364-19**

Date Collected: 01/21/21 08:45

Matrix: Drinking Water

Date Received: 01/22/21 17:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			88388	01/27/21 07:00	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	89388	01/29/21 16:13	Y6ZN	ELLE

**Laboratory References:**

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

# Accreditation/Certification Summary

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

Job ID: 410-27364-1

## 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: 410-27364-1

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: 410-27364-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-27364-1	7670061 001 Playground Well	Drinking Water	01/21/21 09:40	01/22/21 17:29	
410-27364-2	7670061 001 Playground Well FB	Potable Water	01/21/21 09:40	01/22/21 17:29	
410-27364-3	7670061 005 Conley Well	Drinking Water	01/21/21 09:35	01/22/21 17:29	
410-27364-4	7670061 005 Conley Well FB	Potable Water	01/21/21 09:35	01/22/21 17:29	
410-27364-5	7670061 301 Conley Between Lead & Lag	Drinking Water	01/21/21 09:30	01/22/21 17:29	
410-27364-6	7670061 301 Conley Between Lead & Lag FB	Potable Water	01/21/21 09:30	01/22/21 17:29	
410-27364-7	7670061 301 Conley After Lag Vessel	Drinking Water	01/21/21 09:25	01/22/21 17:29	
410-27364-8	7670061 301 Conley After Lag Vessel FB	Potable Water	01/21/21 09:25	01/22/21 17:29	
410-27364-9	7670061 101 Conley EP Grab Water	Drinking Water	01/21/21 09:20	01/22/21 17:29	
410-27364-10	7670061 101 Conley Field Blank Grab Water	Potable Water	01/21/21 09:20	01/22/21 17:29	
410-27364-11	7670061 002 Coppersmith Well	Drinking Water	01/21/21 08:35	01/22/21 17:29	
410-27364-12	7670061 002 Coppersmith Well FB	Potable Water	01/21/21 08:35	01/22/21 17:29	
410-27364-13	7670061 003 DuPont Well	Drinking Water	01/21/21 09:00	01/22/21 17:29	
410-27364-14	7670061 003 DuPont Well FB	Potable Water	01/21/21 09:00	01/22/21 17:29	
410-27364-15	7670061 302 DuPont Between Lead & Lag	Drinking Water	01/21/21 08:55	01/22/21 17:29	
410-27364-17	7670061 302 DuPont After Lag Vessel	Drinking Water	01/21/21 08:50	01/22/21 17:29	
410-27364-19	7670061 102 DuPont EP	Drinking Water	01/21/21 08:45	01/22/21 17:29	



# Environmental Analysis Request



Lancaster Laboratories  
Environmental

Acct. # 44297 Group # \_\_\_\_\_

Sample # \_\_\_\_\_



410-27364 Chain of Custody

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Client: <b>SUEZ WATER PA</b>				<b>Matrix</b>				<b>Analyses Requested</b>				<b>For Lab Use Only</b>	
Project Name: Newberry System				Site ID #:				<b>Preservation and Filtration Codes</b>				SF #: _____	
Project Manager: Elizabeth Zanar				P.O. #:				<input type="checkbox"/> O <input type="checkbox"/> PFAS (14) 537 v 1.1				SCR #: _____	
Sampler: Penny Bumbarger				PWSID #: 7670061								Preservation Codes H = HCl      T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> P = H <sub>3</sub> PO <sub>4</sub> F = Field Filtered      O = Other	
Phone #: 717-773-0185				Quote #: 219948A				Total # of Containers PFAS (14) 537 v 1.1				Remarks <b>Monthly Compliance</b>	
State where samples were collected: <b>PA</b>		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Matrix <input type="checkbox"/> Tissue <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Sediment <input type="checkbox"/> Soil Other: GAC Filtered Water									
<b>Sample Identification</b>		<b>Collection</b>		<b>Grab</b>	<b>Composite</b>								
	<b>Date</b>	<b>Time</b>											
001 Playground Well	01/21/21	0940	X			X			2	X			
FB - Playground Well	01/21/21	0940							2	X			
005 Conley Well	01/21/21	0935	X			X			2	X			
FB - Conley Well	01/21/21	0935							2	X			
301s Conley Between Lead and Lag	01/21/21	0930	X				X		2	X			
FB - Conley Between Lead and Lag	01/21/21	0930							2	X			
301s Conley After Lag	01/21/21	0935	X				X		2	X			
FB - Conley After Lag	01/21/21	0935							2	X			
EP 101 Conley	01/21/21	0920	X				X		2	X			
FB - EP 101 Conley	01/21/21	0920							2	X			
<b>Turnaround Time Requested (TAT)</b> (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		01/22/21	0918	Cash		1/22/21	0918
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"/>		/		Date	Time	Received by:		Date	Time
E-mail Address: penny.bumbarger@suez.com				Phone: 717-773-0185				Date	Time	Received by:		Date	Time
<b>Data Package Options</b> (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"/>			Cash		1/22/21	1715	Cash		1-22-21	1729
Type III (Reduced non-CLP)	<input type="checkbox"/>	CT RCP	<input type="checkbox"/>			Relinquished by Commercial Carrier:				Temperature upon receipt _____ °C			
Type VI (Raw Data Only)	<input type="checkbox"/>	TX TRRP-13	<input type="checkbox"/>			UPS _____ FedEx _____ Other <input checked="" type="checkbox"/>							
NJ DKQP	<input type="checkbox"/>	NYSDEC Category	<input type="checkbox"/> A or <input type="checkbox"/> B										
<b>EDD Required?</b> Yes <input type="checkbox"/> No <input type="checkbox"/>				If yes, format: _____									

CB



## Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-27364-1

**Login Number: 27364**

**List Source: Eurofins Lancaster Laboratories Env**

**List Number: 1**

**Creator: Barns, Christopher**

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

