


## ANALYTICAL REPORT

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

Laboratory Job ID: 410-64288-1  
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:  
12/6/2021 5:36:17 PM

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

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Elizabeth Zanar  
Project Manager  
12/6/2021 5:36:17 PM



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# Definitions/Glossary

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

Job ID: 410-64288-1

## 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: 410-64288-1

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**Job ID: 410-64288-1**

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

## Narrative

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**Job Narrative**  
**410-64288-1**

## Receipt

The samples were received on 11/19/2021 3:33 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.9°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: 410-64288-1

## Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-64288-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.1		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.1		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.8		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	11		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: 410-64288-2

No Detections.

## Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-64288-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	4.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	5.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

## Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-64288-4

No Detections.

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

Lab Sample ID: 410-64288-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	8.6		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.2		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.7		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.2		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	6.5		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	10		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-64288-6

No Detections.

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

Lab Sample ID: 410-64288-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	9.9		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.5		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.5		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.4		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.7		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	6.3		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: 410-64288-8

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

# Detection Summary

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

Job ID: 410-64288-1

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

Lab Sample ID: 410-64288-9

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	3.0		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.5		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	5.0		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	6.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-64288-10

No Detections.

## Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-64288-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	8.2		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	4.3		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.2		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	2.4		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	7.0		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	100		18	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	79		18	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA

## Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-64288-12

No Detections.

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

Lab Sample ID: 410-64288-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	16		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	2.7		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	16		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	4.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-64288-14

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: 410-64288-1

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

**Lab Sample ID: 410-64288-1**

Date Collected: 11/18/21 10:25

Matrix: Drinking Water

Date Received: 11/19/21 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	9.1		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluoroheptanoic acid	3.3		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorooctanoic acid	7.1		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorobutanesulfonic acid	4.2		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorohexanesulfonic acid	5.8		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorooctanesulfonic acid	11		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:20	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 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	85		70 - 130				11/30/21 08:42	12/01/21 20:20	1
13C2 PFDA	89		70 - 130				11/30/21 08:42	12/01/21 20:20	1
13C2 PFHxA	91		70 - 130				11/30/21 08:42	12/01/21 20:20	1

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

**Lab Sample ID: 410-64288-2**

Date Collected: 11/18/21 10:25

Matrix: Potable Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 20:32	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 20:32	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		11/30/21 08:42	12/01/21 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	99		70 - 130				11/30/21 08:42	12/01/21 20:32	1
13C2 PFDA	97		70 - 130				11/30/21 08:42	12/01/21 20:32	1
13C2 PFHxA	101		70 - 130				11/30/21 08:42	12/01/21 20:32	1



# Client Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-3**

Date Collected: 11/18/21 10:20

Matrix: Drinking Water

Date Received: 11/19/21 15:33

**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>4.4</b>		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
<b>Perfluorooctanoic acid</b>	<b>3.3</b>		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
<b>Perfluorobutanesulfonic acid</b>	<b>2.2</b>		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
<b>Perfluorohexanesulfonic acid</b>	<b>3.3</b>		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
<b>Perfluorooctanesulfonic acid</b>	<b>5.3</b>		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 20:44	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	83		70 - 130				11/30/21 08:42	12/01/21 20:44	1
13C2 PFDA	91		70 - 130				11/30/21 08:42	12/01/21 20:44	1
13C2 PFHxA	89		70 - 130				11/30/21 08:42	12/01/21 20:44	1

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

**Lab Sample ID: 410-64288-4**

Date Collected: 11/18/21 10:20

Matrix: Potable Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 20:55	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 20:55	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	96		70 - 130				11/30/21 08:42	12/01/21 20:55	1
13C2 PFDA	95		70 - 130				11/30/21 08:42	12/01/21 20:55	1
13C2 PFHxA	91		70 - 130				11/30/21 08:42	12/01/21 20:55	1

# Client Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-5**

Date Collected: 11/18/21 10:15

Matrix: Drinking Water

Date Received: 11/19/21 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	8.6		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluoroheptanoic acid	3.2		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorooctanoic acid	7.7		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorobutanesulfonic acid	4.2		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorohexanesulfonic acid	6.5		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorooctanesulfonic acid	10		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:18	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	94		70 - 130				11/30/21 08:42	12/01/21 21:18	1
13C2 PFDA	96		70 - 130				11/30/21 08:42	12/01/21 21:18	1
13C2 PFHxA	100		70 - 130				11/30/21 08:42	12/01/21 21:18	1

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

**Lab Sample ID: 410-64288-6**

FB

Date Collected: 11/18/21 10:15

Matrix: Potable Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 21:30	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:30	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	101		70 - 130				11/30/21 08:42	12/01/21 21:30	1
13C2 PFDA	99		70 - 130				11/30/21 08:42	12/01/21 21:30	1
13C2 PFHxA	93		70 - 130				11/30/21 08:42	12/01/21 21:30	1

# Client Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-7**

Date Collected: 11/18/21 10:10

Matrix: Drinking Water

Date Received: 11/19/21 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	9.9		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluoroheptanoic acid	3.5		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorooctanoic acid	7.5		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorobutanesulfonic acid	4.4		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorohexanesulfonic acid	5.7		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorooctanesulfonic acid	6.3		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	105		70 - 130	11/30/21 08:42	12/01/21 21:41	1
13C2 PFDA	106		70 - 130	11/30/21 08:42	12/01/21 21:41	1
13C2 PFHxA	106		70 - 130	11/30/21 08:42	12/01/21 21:41	1

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

**Lab Sample ID: 410-64288-8**

Date Collected: 11/18/21 10:10

Matrix: Potable Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 21:53	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	95		70 - 130	11/30/21 08:42	12/01/21 21:53	1
13C2 PFDA	95		70 - 130	11/30/21 08:42	12/01/21 21:53	1
13C2 PFHxA	92		70 - 130	11/30/21 08:42	12/01/21 21:53	1

# Client Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-9**

Date Collected: 11/18/21 10:05

Matrix: Drinking Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 22:05	1
Perfluoroheptanoic acid	3.0		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorooctanoic acid	6.5		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorobutanesulfonic acid	3.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorohexanesulfonic acid	5.0		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorooctanesulfonic acid	6.3		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:05	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	90		70 - 130				11/30/21 08:42	12/01/21 22:05	1
13C2 PFDA	89		70 - 130				11/30/21 08:42	12/01/21 22:05	1
13C2 PFHxA	85		70 - 130				11/30/21 08:42	12/01/21 22:05	1

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

**Lab Sample ID: 410-64288-10**

Date Collected: 11/18/21 10:05

Matrix: Potable Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 22:16	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:16	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	92		70 - 130				11/30/21 08:42	12/01/21 22:16	1
13C2 PFDA	88		70 - 130				11/30/21 08:42	12/01/21 22:16	1
13C2 PFHxA	90		70 - 130				11/30/21 08:42	12/01/21 22:16	1

# Client Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-11**

Date Collected: 11/18/21 10:00

Matrix: Drinking Water

Date Received: 11/19/21 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	8.2		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluoroheptanoic acid	4.3		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluorooctanoic acid	7.2		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluorononanoic acid	2.4		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluorobutanesulfonic acid	7.0		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 22:28	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	79		70 - 130				11/30/21 08:42	12/01/21 22:28	1
13C2 PFDA	86		70 - 130				11/30/21 08:42	12/01/21 22:28	1
13C2 PFHxA	88		70 - 130				11/30/21 08:42	12/01/21 22:28	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	100		18	4.6	ng/L		11/30/21 08:42	12/03/21 05:38	10
Perfluorooctanesulfonic acid	79		18	4.6	ng/L		11/30/21 08:42	12/03/21 05:38	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	76		70 - 130				11/30/21 08:42	12/03/21 05:38	10
13C2 PFDA	75		70 - 130				11/30/21 08:42	12/03/21 05:38	10
13C2 PFHxA	85		70 - 130				11/30/21 08:42	12/03/21 05:38	10

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

**Lab Sample ID: 410-64288-12**

Date Collected: 11/18/21 10:00

Matrix: Potable Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 22:39	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		11/30/21 08:42	12/01/21 22:39	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	95		70 - 130				11/30/21 08:42	12/01/21 22:39	1

Eurofins Lancaster Laboratories Env, LLC

# Client Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-12**

Date Collected: 11/18/21 10:00

Matrix: Potable Water

Date Received: 11/19/21 15:33

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	90		70 - 130	11/30/21 08:42	12/01/21 22:39	1
13C2 PFHxA	88		70 - 130	11/30/21 08:42	12/01/21 22:39	1

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

**Lab Sample ID: 410-64288-13**

Date Collected: 11/18/21 09:55

Matrix: Drinking Water

Date Received: 11/19/21 15:33

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	16		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluoroheptanoic acid	3.4		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorooctanoic acid	2.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorobutanesulfonic acid	6.9		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorohexanesulfonic acid	16		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorooctanesulfonic acid	4.9		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		11/30/21 08:42	12/01/21 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	94		70 - 130	11/30/21 08:42	12/01/21 22:51	1
13C2 PFDA	93		70 - 130	11/30/21 08:42	12/01/21 22:51	1
13C2 PFHxA	94		70 - 130	11/30/21 08:42	12/01/21 22:51	1

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

**Lab Sample ID: 410-64288-14**

**FB**

Date Collected: 11/18/21 09:55

Matrix: Potable Water

Date Received: 11/19/21 15:33

**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		11/30/21 08:42	12/01/21 23:02	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		11/30/21 08:42	12/01/21 23:02	1

Eurofins Lancaster Laboratories Env, LLC

# Client Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-14**

**Date Collected: 11/18/21 09:55**

**Matrix: Potable Water**

**Date Received: 11/19/21 15:33**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
d5-NEtFOSAA	103		70 - 130	11/30/21 08:42	12/01/21 23:02	1
13C2 PFDA	100		70 - 130	11/30/21 08:42	12/01/21 23:02	1
13C2 PFHxA	98		70 - 130	11/30/21 08:42	12/01/21 23:02	1

# Surrogate Summary

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

Job ID: 410-64288-1

## 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)
410-64288-1	7670061 001 Playground Well	85	89	91
410-64288-3	7670061 005 Conley Well	83	91	89
410-64288-5	7670061 301 Conley Between Lead & Lag	94	96	100
410-64288-7	7670061 301 Conley After Lag Vessel	105	106	106
410-64288-9	7670061 101 Conley EP Grab Water	90	89	85
410-64288-11	7670061 003 DuPont Well	79	86	88
410-64288-11 - DL	7670061 003 DuPont Well	76	75	85
410-64288-13	7670061 302 DuPont Between Lead & Lag	94	93	94
LCS 410-199549/2-A	Lab Control Sample	101	104	103
LCSD 410-199549/3-A	Lab Control Sample Dup	102	106	103
LLCS 410-199549/4-A	Lab Control Sample	100	98	99
MB 410-199549/1-A	Method Blank	109	108	105

**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)
410-64288-2	7670061 001 Playground Well F	99	97	101
410-64288-4	7670061 005 Conley Well FB	96	95	91
410-64288-6	7670061 301 Conley Between Lead & Lag FB	101	99	93
410-64288-8	7670061 301 Conley After Lag Vessel FB	95	95	92
410-64288-10	7670061 101 Conley Field Blank Grab Water	92	88	90
410-64288-12	7670061 003 DuPont Well FB	95	90	88
410-64288-14	7670061 302 DuPont Between Lead & Lag FB	103	100	98

**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: 410-64288-1

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

**Lab Sample ID: MB 410-199549/1-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 200198**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 199549**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		11/30/21 08:42	12/01/21 18:24	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	109		70 - 130	11/30/21 08:42	12/01/21 18:24	1
13C2 PFDA	108		70 - 130	11/30/21 08:42	12/01/21 18:24	1
13C2 PFHxA	105		70 - 130	11/30/21 08:42	12/01/21 18:24	1

**Lab Sample ID: LCS 410-199549/2-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 200198**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 199549**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
Perfluorohexanoic acid	80.0	77.0		ng/L		96	70 - 130
Perfluoroheptanoic acid	80.0	81.6	E	ng/L		102	70 - 130
Perfluorooctanoic acid	80.0	81.8	E	ng/L		102	70 - 130
Perfluorononanoic acid	80.0	78.8		ng/L		98	70 - 130
Perfluorodecanoic acid	80.0	78.5		ng/L		98	70 - 130
Perfluorotridecanoic acid	80.0	80.9	E	ng/L		101	70 - 130
Perfluorotetradecanoic acid	80.0	80.0	E	ng/L		100	70 - 130
Perfluorobutanesulfonic acid	70.8	73.8	E	ng/L		104	70 - 130
Perfluorohexanesulfonic acid	73.0	78.8	E	ng/L		108	70 - 130
Perfluorooctanesulfonic acid	74.0	72.8		ng/L		98	70 - 130
NEtFOSAA	80.0	77.8		ng/L		97	70 - 130
NMeFOSAA	80.0	75.4		ng/L		94	70 - 130
Perfluoroundecanoic acid	80.0	77.6		ng/L		97	70 - 130
Perfluorododecanoic acid	80.0	79.4		ng/L		99	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	101		70 - 130
13C2 PFDA	104		70 - 130
13C2 PFHxA	103		70 - 130

# QC Sample Results

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

Job ID: 410-64288-1

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

**Lab Sample ID: LCSD 410-199549/3-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 200198**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 199549**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	80.0	79.2		ng/L		99	70 - 130	3	30
Perfluoroheptanoic acid	80.0	81.6	E	ng/L		102	70 - 130	0	30
Perfluorooctanoic acid	80.0	83.7	E	ng/L		105	70 - 130	2	30
Perfluorononanoic acid	80.0	79.8		ng/L		100	70 - 130	1	30
Perfluorodecanoic acid	80.0	79.6		ng/L		100	70 - 130	1	30
Perfluorotridecanoic acid	80.0	83.2	E	ng/L		104	70 - 130	3	30
Perfluorotetradecanoic acid	80.0	83.5	E	ng/L		104	70 - 130	4	30
Perfluorobutanesulfonic acid	70.8	76.1	E	ng/L		108	70 - 130	3	30
Perfluorohexanesulfonic acid	73.0	80.7	E	ng/L		111	70 - 130	2	30
Perfluorooctanesulfonic acid	74.0	55.8		ng/L		75	70 - 130	27	30
NEtFOSAA	80.0	80.3	E	ng/L		100	70 - 130	3	30
NMeFOSAA	80.0	78.4		ng/L		98	70 - 130	4	30
Perfluoroundecanoic acid	80.0	79.8		ng/L		100	70 - 130	3	30
Perfluorododecanoic acid	80.0	83.0	E	ng/L		104	70 - 130	4	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	102		70 - 130
13C2 PFDA	106		70 - 130
13C2 PFHxA	103		70 - 130

**Lab Sample ID: LLCS 410-199549/4-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 200198**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 199549**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	1.92	1.59	J	ng/L		83	50 - 150		
Perfluoroheptanoic acid	1.92	1.69	J	ng/L		88	50 - 150		
Perfluorooctanoic acid	1.92	1.87	J	ng/L		97	50 - 150		
Perfluorononanoic acid	1.92	1.62	J	ng/L		84	50 - 150		
Perfluorodecanoic acid	1.92	1.53	J	ng/L		80	50 - 150		
Perfluorotridecanoic acid	1.92	1.61	J	ng/L		84	50 - 150		
Perfluorotetradecanoic acid	1.92	1.48	J	ng/L		77	50 - 150		
Perfluorobutanesulfonic acid	1.70	1.45	J	ng/L		85	50 - 150		
Perfluorohexanesulfonic acid	1.75	1.53	J	ng/L		87	50 - 150		
Perfluorooctanesulfonic acid	1.78	1.47	J	ng/L		83	50 - 150		
NEtFOSAA	1.92	1.56	J	ng/L		81	50 - 150		
NMeFOSAA	1.92	1.56	J	ng/L		81	50 - 150		
Perfluoroundecanoic acid	1.92	1.63	J	ng/L		85	50 - 150		
Perfluorododecanoic acid	1.92	1.56	J	ng/L		81	50 - 150		

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	100		70 - 130
13C2 PFDA	98		70 - 130
13C2 PFHxA	99		70 - 130

# QC Association Summary

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

Job ID: 410-64288-1

## LCMS

### Prep Batch: 199549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-64288-1	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-2	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-64288-3	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-4	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-64288-5	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-6	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-64288-7	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-8	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-64288-9	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-10	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-64288-11 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-11	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-12	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-64288-13	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-64288-14	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-199549/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-199549/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-199549/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-199549/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

### Analysis Batch: 200198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-64288-1	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
410-64288-2	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	199549
410-64288-3	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
410-64288-4	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	199549
410-64288-5	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
410-64288-6	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	199549
410-64288-7	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
410-64288-8	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	199549
410-64288-9	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
410-64288-10	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	199549
410-64288-11	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
410-64288-12	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	199549
410-64288-13	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
410-64288-14	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	199549
MB 410-199549/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
LCS 410-199549/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
LCSD 410-199549/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549
LLCS 410-199549/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549

### Analysis Batch: 200760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-64288-11 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	199549

# Lab Chronicle

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

Job ID: 410-64288-1

## Client Sample ID: 7670061 001 Playground Well

Date Collected: 11/18/21 10:25

Date Received: 11/19/21 15:33

## Lab Sample ID: 410-64288-1

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 20:20	VK3G	ELLE

## Client Sample ID: 7670061 001 Playground Well FB

Date Collected: 11/18/21 10:25

Date Received: 11/19/21 15:33

## Lab Sample ID: 410-64288-2

Matrix: Potable Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 20:32	VK3G	ELLE

## Client Sample ID: 7670061 005 Conley Well

Date Collected: 11/18/21 10:20

Date Received: 11/19/21 15:33

## Lab Sample ID: 410-64288-3

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 20:44	VK3G	ELLE

## Client Sample ID: 7670061 005 Conley Well FB

Date Collected: 11/18/21 10:20

Date Received: 11/19/21 15:33

## Lab Sample ID: 410-64288-4

Matrix: Potable Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 20:55	VK3G	ELLE

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

Date Collected: 11/18/21 10:15

Date Received: 11/19/21 15:33

## Lab Sample ID: 410-64288-5

Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 21:18	VK3G	ELLE

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

Date Collected: 11/18/21 10:15

Date Received: 11/19/21 15:33

## Lab Sample ID: 410-64288-6

Matrix: Potable Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 21:30	VK3G	ELLE

# Lab Chronicle

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

Job ID: 410-64288-1

**Client Sample ID: 7670061 301 Conley After Lag Vessel**  
 Date Collected: 11/18/21 10:10  
 Date Received: 11/19/21 15:33

**Lab Sample ID: 410-64288-7**  
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 21:41	VK3G	ELLE

**Client Sample ID: 7670061 301 Conley After Lag Vessel FB**  
 Date Collected: 11/18/21 10:10  
 Date Received: 11/19/21 15:33

**Lab Sample ID: 410-64288-8**  
 Matrix: Potable Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 21:53	VK3G	ELLE

**Client Sample ID: 7670061 101 Conley EP Grab Water**  
 Date Collected: 11/18/21 10:05  
 Date Received: 11/19/21 15:33

**Lab Sample ID: 410-64288-9**  
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 22:05	VK3G	ELLE

**Client Sample ID: 7670061 101 Conley Field Blank Grab Water**  
 Date Collected: 11/18/21 10:05  
 Date Received: 11/19/21 15:33

**Lab Sample ID: 410-64288-10**  
 Matrix: Potable Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 22:16	VK3G	ELLE

**Client Sample ID: 7670061 003 DuPont Well**  
 Date Collected: 11/18/21 10:00  
 Date Received: 11/19/21 15:33

**Lab Sample ID: 410-64288-11**  
 Matrix: Drinking Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 22:28	VK3G	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	200760	12/03/21 05:38	DCS9	ELLE

**Client Sample ID: 7670061 003 DuPont Well FB**  
 Date Collected: 11/18/21 10:00  
 Date Received: 11/19/21 15:33

**Lab Sample ID: 410-64288-12**  
 Matrix: Potable Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 22:39	VK3G	ELLE

# Lab Chronicle

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

Job ID: 410-64288-1

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

**Lab Sample ID: 410-64288-13**

**Date Collected: 11/18/21 09:55**

**Matrix: Drinking Water**

**Date Received: 11/19/21 15:33**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 22:51	VK3G	ELLE

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

**Lab Sample ID: 410-64288-14**

**FB**

**Date Collected: 11/18/21 09:55**

**Matrix: Potable Water**

**Date Received: 11/19/21 15:33**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			199549	11/30/21 08:42	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	200198	12/01/21 23:02	VK3G	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: 410-64288-1

## Laboratory: Eurofins Lancaster Laboratories Env, LLC

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

Authority	Program	Identification Number	Expiration Date
Pennsylvania	NELAP	36-00037	01-31-22

- 1
- 2
- 3
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# Method Summary

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

Job ID: 410-64288-1

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: 410-64288-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-64288-1	7670061 001 Playground Well	Drinking Water	11/18/21 10:25	11/19/21 15:33
410-64288-2	7670061 001 Playground Well FB	Potable Water	11/18/21 10:25	11/19/21 15:33
410-64288-3	7670061 005 Conley Well	Drinking Water	11/18/21 10:20	11/19/21 15:33
410-64288-4	7670061 005 Conley Well FB	Potable Water	11/18/21 10:20	11/19/21 15:33
410-64288-5	7670061 301 Conley Between Lead & Lag	Drinking Water	11/18/21 10:15	11/19/21 15:33
410-64288-6	7670061 301 Conley Between Lead & Lag FB	Potable Water	11/18/21 10:15	11/19/21 15:33
410-64288-7	7670061 301 Conley After Lag Vessel	Drinking Water	11/18/21 10:10	11/19/21 15:33
410-64288-8	7670061 301 Conley After Lag Vessel FB	Potable Water	11/18/21 10:10	11/19/21 15:33
410-64288-9	7670061 101 Conley EP Grab Water	Drinking Water	11/18/21 10:05	11/19/21 15:33
410-64288-10	7670061 101 Conley Field Blank Grab Water	Potable Water	11/18/21 10:05	11/19/21 15:33
410-64288-11	7670061 003 DuPont Well	Drinking Water	11/18/21 10:00	11/19/21 15:33
410-64288-12	7670061 003 DuPont Well FB	Potable Water	11/18/21 10:00	11/19/21 15:33
410-64288-13	7670061 302 DuPont Between Lead & Lag	Drinking Water	11/18/21 09:55	11/19/21 15:33
410-64288-14	7670061 302 DuPont Between Lead & Lag FB	Potable Water	11/18/21 09:55	11/19/21 15:33

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# Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-64288-1

**Login Number: 64288**

**List Source: Eurofins Lancaster Laboratories Env, LLC**

**List Number: 1**

**Creator: Slagle, Vaiyanna**

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable ( $\leq 6^{\circ}\text{C}$ , not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable ( $\leq 6^{\circ}\text{C}$ , not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	