


ANALYTICAL REPORT

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

Laboratory Job ID: 410-44237-1
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:
6/29/2021 8:22:36 AM

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



Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

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Elizabeth Zanar
Project Manager
6/29/2021 8:22:36 AM



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Definitions/Glossary

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

Job ID: 410-44237-1

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: 410-44237-1

Job ID: 410-44237-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-44237-1

Receipt

The samples were received on 6/18/2021 3:44 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

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: 410-44237-1

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-44237-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.8		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.3		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	10		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-44237-2

No Detections.

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-44237-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	8.1		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.0		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	4.3		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	2.3		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.4		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	6.0		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-44237-4

No Detections.

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-44237-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.1		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	6.9		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.9		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.3		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	7.7		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-44237-6

No Detections.

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-44237-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.8		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.5		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.6		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	3.4		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-44237-8

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: 410-44237-1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-44237-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	11		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.9		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.8		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	3.7		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.2		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	4.0		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: 410-44237-10

No Detections.

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-44237-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	12		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	5.8		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.3		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	3.9		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	5.7		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	45		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	55		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-44237-12

No Detections.

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-44237-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.2		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.9		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.3		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.8		1.7	0.44	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	77		17	4.4	ng/L	10		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid - DL	83		17	4.4	ng/L	10		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-44237-14

No Detections.

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-44237-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	6.1		1.7	0.43	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	1.7		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: 410-44237-16

No Detections.

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-44237-17

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: 410-44237-1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-44237-18

No Detections.

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-44237-19

No Detections.

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-44237-20

No Detections.

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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: 410-44237-1

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-44237-1

Date Collected: 06/17/21 10:20

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	11		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluoroheptanoic acid	2.8		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorooctanoic acid	6.4		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorobutanesulfonic acid	3.3		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorohexanesulfonic acid	5.4		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorooctanesulfonic acid	10		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 01:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	82		70 - 130				06/23/21 05:02	06/29/21 01:06	1
13C2 PFDA	92		70 - 130				06/23/21 05:02	06/29/21 01:06	1
13C2 PFHxA	74		70 - 130				06/23/21 05:02	06/29/21 01:06	1

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-44237-2

Date Collected: 06/17/21 10:20

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/29/21 01:18	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/29/21 01:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	80		70 - 130				06/23/21 05:02	06/29/21 01:18	1
13C2 PFDA	86		70 - 130				06/23/21 05:02	06/29/21 01:18	1
13C2 PFHxA	80		70 - 130				06/23/21 05:02	06/29/21 01:18	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-44237-3

Date Collected: 06/17/21 10:25

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	8.1		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluoroheptanoic acid	2.0		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorooctanoic acid	4.3		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorobutanesulfonic acid	2.3		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorohexanesulfonic acid	3.4		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorooctanesulfonic acid	6.0		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/29/21 01:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77		70 - 130				06/23/21 05:02	06/29/21 01:29	1
13C2 PFDA	89		70 - 130				06/23/21 05:02	06/29/21 01:29	1
13C2 PFHxA	76		70 - 130				06/23/21 05:02	06/29/21 01:29	1

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-44237-4

Date Collected: 06/17/21 10:25

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/29/21 01:41	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 01:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	84		70 - 130				06/23/21 05:02	06/29/21 01:41	1
13C2 PFDA	89		70 - 130				06/23/21 05:02	06/29/21 01:41	1
13C2 PFHxA	79		70 - 130				06/23/21 05:02	06/29/21 01:41	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-44237-5

Date Collected: 06/17/21 10:15

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	11		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluoroheptanoic acid	3.1		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorooctanoic acid	6.9		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorononanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorodecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorotridecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorotetradecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorobutanesulfonic acid	3.9		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorohexanesulfonic acid	5.3		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorooctanesulfonic acid	7.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
NETFOSAA	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
NMeFOSAA	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluoroundecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Perfluorododecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/29/21 01:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	83		70 - 130				06/23/21 05:02	06/29/21 01:52	1
13C2 PFDA	91		70 - 130				06/23/21 05:02	06/29/21 01:52	1
13C2 PFHxA	75		70 - 130				06/23/21 05:02	06/29/21 01:52	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-44237-6

FB

Date Collected: 06/17/21 10:15

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/29/21 02:04	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
NETFOSAA	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/29/21 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	83		70 - 130				06/23/21 05:02	06/29/21 02:04	1
13C2 PFDA	93		70 - 130				06/23/21 05:02	06/29/21 02:04	1
13C2 PFHxA	80		70 - 130				06/23/21 05:02	06/29/21 02:04	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-44237-7

Date Collected: 06/17/21 10:10

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	11		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluoroheptanoic acid	2.8		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorooctanoic acid	5.5		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorobutanesulfonic acid	3.6		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorohexanesulfonic acid	3.9		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorooctanesulfonic acid	3.4		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	88		70 - 130				06/23/21 05:02	06/29/21 02:16	1
13C2 PFDA	94		70 - 130				06/23/21 05:02	06/29/21 02:16	1
13C2 PFHxA	81		70 - 130				06/23/21 05:02	06/29/21 02:16	1

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-44237-8

Date Collected: 06/17/21 10:10

Matrix: Potable Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluoroheptanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorooctanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorononanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorodecanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorotridecanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorotetradecanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
NEtFOSAA	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
NMeFOSAA	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluoroundecanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Perfluorododecanoic acid	<1.9		1.9	0.46	ng/L		06/23/21 05:02	06/29/21 02:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	84		70 - 130				06/23/21 05:02	06/29/21 02:27	1
13C2 PFDA	93		70 - 130				06/23/21 05:02	06/29/21 02:27	1
13C2 PFHxA	81		70 - 130				06/23/21 05:02	06/29/21 02:27	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-44237-9

Date Collected: 06/17/21 10:05

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	11		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluoroheptanoic acid	2.9		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorooctanoic acid	5.8		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorobutanesulfonic acid	3.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorohexanesulfonic acid	4.2		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorooctanesulfonic acid	4.0		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/29/21 02:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	81		70 - 130				06/23/21 05:02	06/29/21 02:39	1
13C2 PFDA	87		70 - 130				06/23/21 05:02	06/29/21 02:39	1
13C2 PFHxA	76		70 - 130				06/23/21 05:02	06/29/21 02:39	1

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-44237-10

Date Collected: 06/17/21 10:05

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/29/21 02:50	1
Perfluoroheptanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorooctanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorononanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorodecanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorotridecanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorotetradecanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
NEtFOSAA	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
NMeFOSAA	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluoroundecanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Perfluorododecanoic acid	<1.8		1.8	0.44	ng/L		06/23/21 05:02	06/29/21 02:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	83		70 - 130				06/23/21 05:02	06/29/21 02:50	1
13C2 PFDA	92		70 - 130				06/23/21 05:02	06/29/21 02:50	1
13C2 PFHxA	81		70 - 130				06/23/21 05:02	06/29/21 02:50	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-44237-11

Date Collected: 06/17/21 09:25

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	12		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluoroheptanoic acid	5.8		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorooctanoic acid	7.3		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorononanoic acid	3.9		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorodecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorotridecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorotetradecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorobutanesulfonic acid	5.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorohexanesulfonic acid	45		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorooctanesulfonic acid	55		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
NEtFOSAA	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
NMeFOSAA	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluoroundecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Perfluorododecanoic acid	<1.7		1.7	0.42	ng/L		06/23/21 05:02	06/26/21 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	78		70 - 130				06/23/21 05:02	06/26/21 20:09	1
13C2 PFDA	80		70 - 130				06/23/21 05:02	06/26/21 20:09	1
13C2 PFHxA	85		70 - 130				06/23/21 05:02	06/26/21 20:09	1

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-44237-12

Date Collected: 06/17/21 09:25

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/26/21 20:20	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	82		70 - 130				06/23/21 05:02	06/26/21 20:20	1
13C2 PFDA	83		70 - 130				06/23/21 05:02	06/26/21 20:20	1
13C2 PFHxA	82		70 - 130				06/23/21 05:02	06/26/21 20:20	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-44237-13

Date Collected: 06/17/21 09:55

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	7.2		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluoroheptanoic acid	2.9		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluorooctanoic acid	5.3		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluorobutanesulfonic acid	4.8		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 20:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	80		70 - 130				06/23/21 05:02	06/26/21 20:32	1
13C2 PFDA	85		70 - 130				06/23/21 05:02	06/26/21 20:32	1
13C2 PFHxA	88		70 - 130				06/23/21 05:02	06/26/21 20:32	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	77		17	4.4	ng/L		06/23/21 05:02	06/29/21 03:13	10
Perfluorooctanesulfonic acid	83		17	4.4	ng/L		06/23/21 05:02	06/29/21 03:13	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77		70 - 130				06/23/21 05:02	06/29/21 03:13	10
13C2 PFDA	85		70 - 130				06/23/21 05:02	06/29/21 03:13	10
13C2 PFHxA	81		70 - 130				06/23/21 05:02	06/29/21 03:13	10

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-44237-14

Date Collected: 06/17/21 09:55

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/26/21 20:43	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	80		70 - 130				06/23/21 05:02	06/26/21 20:43	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-44237-14

Date Collected: 06/17/21 09:55

Matrix: Potable Water

Date Received: 06/18/21 15:44

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	82		70 - 130	06/23/21 05:02	06/26/21 20:43	1
13C2 PFHxA	87		70 - 130	06/23/21 05:02	06/26/21 20:43	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-44237-15

Date Collected: 06/17/21 09:50

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	6.1		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorobutanesulfonic acid	1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		06/23/21 05:02	06/26/21 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	85		70 - 130	06/23/21 05:02	06/26/21 20:55	1
13C2 PFDA	82		70 - 130	06/23/21 05:02	06/26/21 20:55	1
13C2 PFHxA	91		70 - 130	06/23/21 05:02	06/26/21 20:55	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-44237-16

FB

Date Collected: 06/17/21 09:50

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/26/21 21:07	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		06/23/21 05:02	06/26/21 21:07	1

Client Sample Results

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

Job ID: 410-44237-1

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

Lab Sample ID: 410-44237-16

Date Collected: 06/17/21 09:50

Matrix: Potable Water

Date Received: 06/18/21 15:44

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	87		70 - 130	06/23/21 05:02	06/26/21 21:07	1
13C2 PFDA	87		70 - 130	06/23/21 05:02	06/26/21 21:07	1
13C2 PFHxA	91		70 - 130	06/23/21 05:02	06/26/21 21:07	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-44237-17

Date Collected: 06/17/21 09:45

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluoroheptanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorooctanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorononanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorodecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorotridecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorotetradecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
NEtFOSAA	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
NMeFOSAA	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluoroundecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1
Perfluorododecanoic acid	<1.7		1.7	0.44	ng/L		06/23/21 05:02	06/26/21 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	86		70 - 130	06/23/21 05:02	06/26/21 21:18	1
13C2 PFDA	81		70 - 130	06/23/21 05:02	06/26/21 21:18	1
13C2 PFHxA	89		70 - 130	06/23/21 05:02	06/26/21 21:18	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-44237-18

Date Collected: 06/17/21 09:45

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/26/21 21:30	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:30	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-44237-18

Date Collected: 06/17/21 09:45

Matrix: Potable Water

Date Received: 06/18/21 15:44

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	88		70 - 130	06/23/21 05:02	06/26/21 21:30	1
13C2 PFDA	91		70 - 130	06/23/21 05:02	06/26/21 21:30	1
13C2 PFHxA	95		70 - 130	06/23/21 05:02	06/26/21 21:30	1

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-44237-19

Date Collected: 06/17/21 09:40

Matrix: Drinking Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/26/21 21:41	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		06/23/21 05:02	06/26/21 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	85		70 - 130	06/23/21 05:02	06/26/21 21:41	1
13C2 PFDA	82		70 - 130	06/23/21 05:02	06/26/21 21:41	1
13C2 PFHxA	86		70 - 130	06/23/21 05:02	06/26/21 21:41	1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-44237-20

Date Collected: 06/17/21 09:40

Matrix: Potable Water

Date Received: 06/18/21 15:44

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		06/23/21 05:02	06/26/21 21:53	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		06/23/21 05:02	06/26/21 21:53	1

Client Sample Results

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

Job ID: 410-44237-1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-44237-20

Date Collected: 06/17/21 09:40

Matrix: Potable Water

Date Received: 06/18/21 15:44

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
d5-NEtFOSAA	85		70 - 130	06/23/21 05:02	06/26/21 21:53	1
13C2 PFDA	85		70 - 130	06/23/21 05:02	06/26/21 21:53	1
13C2 PFHxA	81		70 - 130	06/23/21 05:02	06/26/21 21:53	1

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Surrogate Summary

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

Job ID: 410-44237-1

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)
410-44237-1	7670061 001 Playground Well	82	92	74
410-44237-3	7670061 005 Conley Well	77	89	76
410-44237-5	7670061 301 Conley Between Lead & Lag	83	91	75
410-44237-7	7670061 301 Conley After Lag Vessel	88	94	81
410-44237-9	7670061 101 Conley EP Grab Water	81	87	76
410-44237-11	7670061 002 Coppersmith Well	78	80	85
410-44237-13	7670061 003 DuPont Well	80	85	88
410-44237-13 - DL	7670061 003 DuPont Well	77	85	81
410-44237-15	7670061 302 DuPont Between Lead & Lag	85	82	91
410-44237-17	7670061 302 DuPont After Lag Vessel	86	81	89
410-44237-19	7670061 102 DuPont EP	85	82	86
LCS 410-140920/2-B	Lab Control Sample	80	91	82
LCS 410-140920/3-B	Lab Control Sample Dup	80	87	81
LLCS 410-140920/4-B	Lab Control Sample	91	94	85
MB 410-140920/1-B	Method Blank	92	102	87

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)
410-44237-2	7670061 001 Playground Well FB	80	86	80
410-44237-4	7670061 005 Conley Well FB	84	89	79
410-44237-6	7670061 301 Conley Between Lead & Lag FB	83	93	80
410-44237-8	7670061 301 Conley After Lag Vessel FB	84	93	81
410-44237-10	7670061 101 Conley Field Blank Grab Water	83	92	81
410-44237-12	7670061 002 Coppersmith Well FB	82	83	82
410-44237-14	7670061 003 DuPont Well FB	80	82	87
410-44237-16	7670061 302 DuPont Between Lead & Lag FB	87	87	91
410-44237-18	7670061 302 DuPont After Lag Vessel FB	88	91	95
410-44237-20	7670061 102 DuPont EP FB	85	85	81

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: 410-44237-1

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Lab Sample ID: MB 410-140920/1-B

Matrix: Drinking Water

Analysis Batch: 142807

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 140920

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		06/23/21 05:02	06/29/21 00:19	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	92		70 - 130	06/23/21 05:02	06/29/21 00:19	1
13C2 PFDA	102		70 - 130	06/23/21 05:02	06/29/21 00:19	1
13C2 PFHxA	87		70 - 130	06/23/21 05:02	06/29/21 00:19	1

Lab Sample ID: LCS 410-140920/2-B

Matrix: Drinking Water

Analysis Batch: 142807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140920

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Perfluorohexanoic acid	25.6	19.9		ng/L		78	70 - 130
Perfluoroheptanoic acid	25.6	20.9		ng/L		82	70 - 130
Perfluorooctanoic acid	25.6	21.5		ng/L		84	70 - 130
Perfluorononanoic acid	25.6	21.4		ng/L		84	70 - 130
Perfluorodecanoic acid	25.6	21.7		ng/L		85	70 - 130
Perfluorotridecanoic acid	25.6	21.9		ng/L		85	70 - 130
Perfluorotetradecanoic acid	25.6	21.5		ng/L		84	70 - 130
Perfluorobutanesulfonic acid	22.7	17.8		ng/L		79	70 - 130
Perfluorohexanesulfonic acid	23.3	19.9		ng/L		85	70 - 130
Perfluorooctanesulfonic acid	23.7	20.8		ng/L		88	70 - 130
NEtFOSAA	25.6	20.7		ng/L		81	70 - 130
NMeFOSAA	25.6	20.2		ng/L		79	70 - 130
Perfluoroundecanoic acid	25.6	22.6		ng/L		88	70 - 130
Perfluorododecanoic acid	25.6	21.6		ng/L		84	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	80		70 - 130
13C2 PFDA	91		70 - 130
13C2 PFHxA	82		70 - 130

QC Sample Results

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

Job ID: 410-44237-1

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

Lab Sample ID: LCSD 410-140920/3-B

Matrix: Drinking Water

Analysis Batch: 142807

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 140920

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	25.6	20.1		ng/L		79	70 - 130	1	30	
Perfluoroheptanoic acid	25.6	20.7		ng/L		81	70 - 130	1	30	
Perfluorooctanoic acid	25.6	21.9		ng/L		85	70 - 130	1	30	
Perfluorononanoic acid	25.6	21.6		ng/L		84	70 - 130	1	30	
Perfluorodecanoic acid	25.6	22.1		ng/L		86	70 - 130	2	30	
Perfluorotridecanoic acid	25.6	21.9		ng/L		86	70 - 130	0	30	
Perfluorotetradecanoic acid	25.6	21.9		ng/L		86	70 - 130	2	30	
Perfluorobutanesulfonic acid	22.7	19.1		ng/L		84	70 - 130	7	30	
Perfluorohexanesulfonic acid	23.3	20.4		ng/L		87	70 - 130	2	30	
Perfluorooctanesulfonic acid	23.7	21.0		ng/L		89	70 - 130	1	30	
NEtFOSAA	25.6	21.2		ng/L		83	70 - 130	3	30	
NMeFOSAA	25.6	20.7		ng/L		81	70 - 130	2	30	
Perfluoroundecanoic acid	25.6	23.0		ng/L		90	70 - 130	2	30	
Perfluorododecanoic acid	25.6	21.9		ng/L		85	70 - 130	1	30	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	80		70 - 130
13C2 PFDA	87		70 - 130
13C2 PFHxA	81		70 - 130

Lab Sample ID: LLCS 410-140920/4-B

Matrix: Drinking Water

Analysis Batch: 142807

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 140920

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec.		Limit
							Limits	RPD	
Perfluorohexanoic acid	2.40	2.56		ng/L		107	50 - 150		
Perfluoroheptanoic acid	2.40	2.55		ng/L		106	50 - 150		
Perfluorooctanoic acid	2.40	2.76		ng/L		115	50 - 150		
Perfluorononanoic acid	2.40	2.65		ng/L		110	50 - 150		
Perfluorodecanoic acid	2.40	2.62		ng/L		109	50 - 150		
Perfluorotridecanoic acid	2.40	2.63		ng/L		109	50 - 150		
Perfluorotetradecanoic acid	2.40	2.56		ng/L		107	50 - 150		
Perfluorobutanesulfonic acid	2.12	2.19		ng/L		103	50 - 150		
Perfluorohexanesulfonic acid	2.19	2.47		ng/L		113	50 - 150		
Perfluorooctanesulfonic acid	2.22	2.68		ng/L		121	50 - 150		
NEtFOSAA	2.40	2.70		ng/L		113	50 - 150		
NMeFOSAA	2.40	2.65		ng/L		111	50 - 150		
Perfluoroundecanoic acid	2.40	2.83		ng/L		118	50 - 150		
Perfluorododecanoic acid	2.40	2.64		ng/L		110	50 - 150		

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	91		70 - 130
13C2 PFDA	94		70 - 130
13C2 PFHxA	85		70 - 130

QC Association Summary

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

Job ID: 410-44237-1

LCMS

Prep Batch: 140920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44237-1	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-2	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-3	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-4	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-5	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-6	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-7	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-8	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-9	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-10	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-11	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-12	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-13	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-13 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-14	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-15	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-16	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-17	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-18	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-44237-19	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-44237-20	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-140920/1-B	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-140920/2-B	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-140920/3-B	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-140920/4-B	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 142387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44237-11	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-12	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-13	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-14	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-15	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-16	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-17	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-18	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-19	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-20	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920

Analysis Batch: 142807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44237-1	7670061 001 Playground Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-2	7670061 001 Playground Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-3	7670061 005 Conley Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-4	7670061 005 Conley Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-5	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-6	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-7	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-8	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	140920
410-44237-9	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
410-44237-10	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	140920

QC Association Summary

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

Job ID: 410-44237-1

LCMS (Continued)

Analysis Batch: 142807 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-44237-13 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
MB 410-140920/1-B	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
LCS 410-140920/2-B	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
LCSD 410-140920/3-B	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920
LLCS 410-140920/4-B	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	140920

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Lab Chronicle

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

Job ID: 410-44237-1

Client Sample ID: 7670061 001 Playground Well

Lab Sample ID: 410-44237-1

Date Collected: 06/17/21 10:20

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 01:06	Y6ZN	ELLE

Client Sample ID: 7670061 001 Playground Well FB

Lab Sample ID: 410-44237-2

Date Collected: 06/17/21 10:20

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 01:18	Y6ZN	ELLE

Client Sample ID: 7670061 005 Conley Well

Lab Sample ID: 410-44237-3

Date Collected: 06/17/21 10:25

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 01:29	Y6ZN	ELLE

Client Sample ID: 7670061 005 Conley Well FB

Lab Sample ID: 410-44237-4

Date Collected: 06/17/21 10:25

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 01:41	Y6ZN	ELLE

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-44237-5

Date Collected: 06/17/21 10:15

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 01:52	Y6ZN	ELLE

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

Lab Sample ID: 410-44237-6

Date Collected: 06/17/21 10:15

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 02:04	Y6ZN	ELLE

Lab Chronicle

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

Job ID: 410-44237-1

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-44237-7

Date Collected: 06/17/21 10:10

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 02:16	Y6ZN	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-44237-8

Date Collected: 06/17/21 10:10

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 02:27	Y6ZN	ELLE

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-44237-9

Date Collected: 06/17/21 10:05

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 02:39	Y6ZN	ELLE

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-44237-10

Date Collected: 06/17/21 10:05

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142807	06/29/21 02:50	Y6ZN	ELLE

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-44237-11

Date Collected: 06/17/21 09:25

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 20:09	VK3G	ELLE

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-44237-12

Date Collected: 06/17/21 09:25

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 20:20	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-44237-1

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-44237-13

Date Collected: 06/17/21 09:55

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 20:32	VK3G	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	142807	06/29/21 03:13	Y6ZN	ELLE

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-44237-14

Date Collected: 06/17/21 09:55

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 20:43	VK3G	ELLE

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-44237-15

Date Collected: 06/17/21 09:50

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 20:55	VK3G	ELLE

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

Lab Sample ID: 410-44237-16

Date Collected: 06/17/21 09:50

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 21:07	VK3G	ELLE

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-44237-17

Date Collected: 06/17/21 09:45

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 21:18	VK3G	ELLE

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-44237-18

Date Collected: 06/17/21 09:45

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 21:30	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-44237-1

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-44237-19

Date Collected: 06/17/21 09:40

Matrix: Drinking Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 21:41	VK3G	ELLE

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-44237-20

Date Collected: 06/17/21 09:40

Matrix: Potable Water

Date Received: 06/18/21 15:44

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			140920	06/23/21 05:02	GK2L	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	142387	06/26/21 21:53	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: 410-44237-1

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: 410-44237-1

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



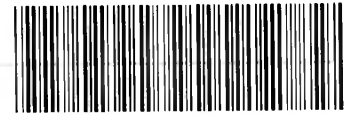
Sample Summary

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

Job ID: 410-44237-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-44237-1	7670061 001 Playground Well	Drinking Water	06/17/21 10:20	06/18/21 15:44	
410-44237-2	7670061 001 Playground Well FB	Potable Water	06/17/21 10:20	06/18/21 15:44	
410-44237-3	7670061 005 Conley Well	Drinking Water	06/17/21 10:25	06/18/21 15:44	
410-44237-4	7670061 005 Conley Well FB	Potable Water	06/17/21 10:25	06/18/21 15:44	
410-44237-5	7670061 301 Conley Between Lead & Lag	Drinking Water	06/17/21 10:15	06/18/21 15:44	
410-44237-6	7670061 301 Conley Between Lead & Lag FB	Potable Water	06/17/21 10:15	06/18/21 15:44	
410-44237-7	7670061 301 Conley After Lag Vessel	Drinking Water	06/17/21 10:10	06/18/21 15:44	
410-44237-8	7670061 301 Conley After Lag Vessel FB	Potable Water	06/17/21 10:10	06/18/21 15:44	
410-44237-9	7670061 101 Conley EP Grab Water	Drinking Water	06/17/21 10:05	06/18/21 15:44	
410-44237-10	7670061 101 Conley Field Blank Grab Water	Potable Water	06/17/21 10:05	06/18/21 15:44	
410-44237-11	7670061 002 Coppersmith Well	Drinking Water	06/17/21 09:25	06/18/21 15:44	
410-44237-12	7670061 002 Coppersmith Well FB	Potable Water	06/17/21 09:25	06/18/21 15:44	
410-44237-13	7670061 003 DuPont Well	Drinking Water	06/17/21 09:55	06/18/21 15:44	
410-44237-14	7670061 003 DuPont Well FB	Potable Water	06/17/21 09:55	06/18/21 15:44	
410-44237-15	7670061 302 DuPont Between Lead & Lag	Drinking Water	06/17/21 09:50	06/18/21 15:44	
410-44237-16	7670061 302 DuPont Between Lead & Lag FB	Potable Water	06/17/21 09:50	06/18/21 15:44	
410-44237-17	7670061 302 DuPont After Lag Vessel	Drinking Water	06/17/21 09:45	06/18/21 15:44	
410-44237-18	7670061 302 DuPont After Lag Vessel FB	Potable Water	06/17/21 09:45	06/18/21 15:44	
410-44237-19	7670061 102 DuPont EP	Drinking Water	06/17/21 09:40	06/18/21 15:44	
410-44237-20	7670061 102 DuPont EP FB	Potable Water	06/17/21 09:40	06/18/21 15:44	

Environmental A



Chain of Custody



Lancaster Laboratories
Environmental

410-44237 Chain of Custody

Acct. # 44297 Group #

Client: SUEZ WATER PA		Matrix		Analyses Requested								For Lab Use Only			
Project Name: Newberry System		Site ID #:		Preservation and Filtration Codes								SF #: _____			
Project Manager: Elizabeth Zanar		P.O. #:		<input type="checkbox"/> Tissue <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Other: GAC Filtered Water <input type="checkbox"/> Sediment <input type="checkbox"/> Water								SCR #: _____			
Sampler: Penny Bumbarger		PWSID #: 7670061										PFAS (14) 537 v 1.1		Preservation Codes	
Phone #: 717-773-0185		Quote #: 219948A										H = HCl T = Thiosulfate		N = HNO ₃ B = NaOH	
State where samples were collected: PA		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		S = H ₂ SO ₄ P = H ₃ PO ₄		F = Field Filtered O = Other									
Sample Identification		Collection		Soil	Water	Other	Total # of Containers					Remarks			
Date	Time	Grab	Composite												
001 Playground Well	6/17/21 1020	X			X		2	X					Monthly Compliance		
FB - Playground Well	6/17/21 1020						2	X							
005 Conley Well	6/17/21 1025	X			X		2	X							
FB - Conley Well	6/17/21 1025						2	X							
301s Conley Between Lead and Lag	6/17/21 1015	X				X	2	X							
FB - Conley Between Lead and Lag	6/17/21 1015						2	X							
301s Conley After Lag	6/17/21 1010	X				X	2	X							
FB - Conley After Lag	6/17/21 1010						2	X							
EP 101 Conley	6/17/21 1005	X				X	2	X							
FB - EP 101 Conley	6/17/21 1005						2	X							
Turnaround Time Requested (TAT) (please check): Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>				Relinquished by:		Date	Time	Received by:		Date	Time				
(Rush TAT is subject to laboratory approval and surcharges.)				Penny Bumbarger		6/16/21	1045	Gus... [Signature]		6/15/21	1045				
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"/>				Gus... [Signature]		6/15/21	1422								
E-mail Address: penny.bumbarger@suez.com				Relinquished by:		Date	Time	Received by:		Date	Time				
Phone: 717-773-0185															
Data Package Options (please check if required)				Relinquished by:		Date	Time	Received by:		Date	Time				
Type I (Validation/non-CLP) <input type="checkbox"/>	MA MCP <input type="checkbox"/>			Relinquished by:		Date	Time	Received by:		Date	Time				
Type III (Reduced non-CLP) <input type="checkbox"/>	CT RCP <input type="checkbox"/>			Relinquished by:		Date	Time	Received by:		Date	Time				
Type VI (Raw Data Only) <input type="checkbox"/>	TX TRRP-13 <input type="checkbox"/>			Relinquished by:		Date	Time	Received by:		Date	Time				
NJ DKQP <input type="checkbox"/>	NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B			Relinquished by Commercial Carrier:				Gus... [Signature]		6/18/21	1544				
EDD Required? Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, format: _____			UPS _____ FedEx _____ Other _____				Temperature upon receipt		1.4	°C				

SB

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Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-44237-1

Login Number: 44237

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Byers, Seth

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 ($\leq 6^{\circ}\text{C}$, 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	
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	

