

ANALYTICAL REPORT

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

Laboratory Job ID: 410-24492-1
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:
1/4/2021 7:07:52 PM

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



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

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

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

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

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Elizabeth Zanar
Project Manager
1/4/2021 7:07:52 PM



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Definitions/Glossary

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

Job ID: 410-24492-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

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: 410-24492-1

Job ID: 410-24492-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Narrative

Job Narrative
410-24492-1

Receipt

The samples were received on 12/18/2020 4:45 PM; the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.2°C and 0.6°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: 410-24492-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-24492-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	14		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	3.3		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	7.3		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorononanoic acid	4.1		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	9.1		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	68		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	60		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-24492-2

No Detections.

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-24492-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	7.9		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	1.8		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.5		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	6.2		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	57		1.8	0.46	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid - DL	78		18	4.6	ng/L	10		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-24492-4

No Detections.

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-24492-5

No Detections.

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

Lab Sample ID: 410-24492-6

No Detections.

Client Sample ID: 7670061 302 DuPont Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-7

No Detections.

Client Sample ID: 7670061 302 DuPont Lead Vessel 1/2 Way FB

Lab Sample ID: 410-24492-8

No Detections.

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-24492-9

No Detections.

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-24492-10

No Detections.

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-24492-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	14		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	1.9		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Detection Summary

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

Job ID: 410-24492-1

Client Sample ID: 7670061 301 Conley Between Lead & Lag (Continued)

Lab Sample ID: 410-24492-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid	5.7		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.6		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	4.1		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	4.6		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA

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

Lab Sample ID: 410-24492-14

No Detections.									
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Client Sample ID: 7670061 301 Conley Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	14		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	1.9		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.8		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.6		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	5.0		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	7.4		1.9	0.47	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 301 Conley Lead Vessel 1/2 Way FB

Lab Sample ID: 410-24492-16

No Detections.									
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Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-24492-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	14		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.1		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	1.9		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: 410-24492-18

No Detections.									
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Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-24492-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	14		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.3		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	3.3		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	4.1		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	2.2		1.8	0.45	ng/L	1		EPA 537 Ver 1.1	Total/NA

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-24492-20

No Detections.									
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Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-24492-21

No Detections.									
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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: 410-24492-1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-24492-22

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: 410-24492-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-24492-1

Date Collected: 12/16/20 09:20

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	14		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluoroheptanoic acid	3.3		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorooctanoic acid	7.3		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorononanoic acid	4.1		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorobutanesulfonic acid	9.1		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorohexanesulfonic acid	68		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorooctanesulfonic acid	60		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	74		70 - 130				12/22/20 07:29	12/26/20 20:00	1
13C2 PFDA	85		70 - 130				12/22/20 07:29	12/26/20 20:00	1
13C2 PFHxA	96		70 - 130				12/22/20 07:29	12/26/20 20:00	1

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-24492-2

Date Collected: 12/16/20 09:20

Matrix: Potable Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 20:12	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	83		70 - 130				12/22/20 07:29	12/26/20 20:12	1
13C2 PFDA	94		70 - 130				12/22/20 07:29	12/26/20 20:12	1
13C2 PFHxA	102		70 - 130				12/22/20 07:29	12/26/20 20:12	1

Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-24492-3

Date Collected: 12/16/20 09:50

Matrix: Drinking Water

Date Received: 12/18/20 16:45

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		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluoroheptanoic acid	1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorooctanoic acid	5.5		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorobutanesulfonic acid	6.2		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorooctanesulfonic acid	57		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 20:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	80		70 - 130				12/22/20 07:29	12/26/20 20:23	1
13C2 PFDA	91		70 - 130				12/22/20 07:29	12/26/20 20:23	1
13C2 PFHxA	99		70 - 130				12/22/20 07:29	12/26/20 20:23	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	78		18	4.6	ng/L		12/22/20 07:29	12/28/20 12:56	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	69	S1-	70 - 130				12/22/20 07:29	12/28/20 12:56	10
13C2 PFDA	75		70 - 130				12/22/20 07:29	12/28/20 12:56	10
13C2 PFHxA	80		70 - 130				12/22/20 07:29	12/28/20 12:56	10

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-24492-4

Date Collected: 12/16/20 09:50

Matrix: Potable Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluoroheptanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorooctanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	96		70 - 130				12/22/20 07:29	12/26/20 20:35	1

Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-24492-4

Date Collected: 12/16/20 09:50

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	92		70 - 130	12/22/20 07:29	12/26/20 20:35	1
13C2 PFHxA	96		70 - 130	12/22/20 07:29	12/26/20 20:35	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-24492-5

Date Collected: 12/16/20 09:40

Matrix: Drinking Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 20:46	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	83		70 - 130	12/22/20 07:29	12/26/20 20:46	1
13C2 PFDA	91		70 - 130	12/22/20 07:29	12/26/20 20:46	1
13C2 PFHxA	108		70 - 130	12/22/20 07:29	12/26/20 20:46	1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-24492-6

FB

Date Collected: 12/16/20 09:40

Matrix: Potable Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 20:58	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 20:58	1

Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-24492-6

FB

Date Collected: 12/16/20 09:40

Matrix: Potable Water

Date Received: 12/18/20 16:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	86		70 - 130	12/22/20 07:29	12/26/20 20:58	1
13C2 PFDA	86		70 - 130	12/22/20 07:29	12/26/20 20:58	1
13C2 PFHxA	96		70 - 130	12/22/20 07:29	12/26/20 20:58	1

Client Sample ID: 7670061 302 DuPont Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-7

Date Collected: 12/16/20 09:45

Matrix: Drinking Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 21:09	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	94		70 - 130	12/22/20 07:29	12/26/20 21:09	1
13C2 PFDA	91		70 - 130	12/22/20 07:29	12/26/20 21:09	1
13C2 PFHxA	99		70 - 130	12/22/20 07:29	12/26/20 21:09	1

Client Sample ID: 7670061 302 DuPont Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-8

FB

Date Collected: 12/16/20 09:45

Matrix: Potable Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 21:21	1
Perfluoroheptanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorooctanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorononanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorodecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorotridecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorotetradecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
NEtFOSAA	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
NMeFOSAA	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Perfluoroundecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1

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Client Sample Results

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

Job ID: 410-24492-1

**Client Sample ID: 7670061 302 DuPont Lead Vessel 1/2 Way
FB**

Lab Sample ID: 410-24492-8

Date Collected: 12/16/20 09:45

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid	<1.8		1.8	0.46	ng/L		12/22/20 07:29	12/26/20 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	87		70 - 130				12/22/20 07:29	12/26/20 21:21	1
13C2 PFDA	98		70 - 130				12/22/20 07:29	12/26/20 21:21	1
13C2 PFHxA	103		70 - 130				12/22/20 07:29	12/26/20 21:21	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-24492-9

Date Collected: 12/16/20 09:35

Matrix: Drinking Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 21:32	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorooctanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorobutanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorohexanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77		70 - 130				12/22/20 07:29	12/26/20 21:32	1
13C2 PFDA	83		70 - 130				12/22/20 07:29	12/26/20 21:32	1
13C2 PFHxA	105		70 - 130				12/22/20 07:29	12/26/20 21:32	1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-24492-10

Date Collected: 12/16/20 09:35

Matrix: Potable Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 21:44	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1

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Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-24492-10

Date Collected: 12/16/20 09:35

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 21:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	91		70 - 130				12/22/20 07:29	12/26/20 21:44	1
13C2 PFDA	94		70 - 130				12/22/20 07:29	12/26/20 21:44	1
13C2 PFHxA	101		70 - 130				12/22/20 07:29	12/26/20 21:44	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-24492-13

Date Collected: 12/16/20 10:05

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	14		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluoroheptanoic acid	1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorooctanoic acid	5.7		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorobutanesulfonic acid	4.6		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorohexanesulfonic acid	4.1		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorooctanesulfonic acid	4.6		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	74		70 - 130				12/22/20 07:29	12/26/20 22:29	1
13C2 PFDA	83		70 - 130				12/22/20 07:29	12/26/20 22:29	1
13C2 PFHxA	96		70 - 130				12/22/20 07:29	12/26/20 22:29	1

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-24492-14

FB

Date Collected: 12/16/20 10:05

Matrix: Potable Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 22:41	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

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

Job ID: 410-24492-1

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

Lab Sample ID: 410-24492-14

Date Collected: 12/16/20 10:05

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	96		70 - 130				12/22/20 07:29	12/26/20 22:41	1
13C2 PFDA	91		70 - 130				12/22/20 07:29	12/26/20 22:41	1
13C2 PFHxA	101		70 - 130				12/22/20 07:29	12/26/20 22:41	1

Client Sample ID: 7670061 301 Conley Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-15

Date Collected: 12/16/20 10:10

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	14		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluoroheptanoic acid	1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorooctanoic acid	5.8		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorobutanesulfonic acid	4.6		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorohexanesulfonic acid	5.0		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorooctanesulfonic acid	7.4		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 22:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	71		70 - 130				12/22/20 07:29	12/26/20 22:52	1
13C2 PFDA	86		70 - 130				12/22/20 07:29	12/26/20 22:52	1
13C2 PFHxA	100		70 - 130				12/22/20 07:29	12/26/20 22:52	1

Client Sample ID: 7670061 301 Conley Lead Vessel 1/2 Way FB

Lab Sample ID: 410-24492-16

Date Collected: 12/16/20 10:10

Matrix: Potable Water

Date Received: 12/18/20 16:45

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		12/22/20 07:29	12/26/20 23:04	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 301 Conley Lead Vessel 1/2 Way FB

Lab Sample ID: 410-24492-16

Date Collected: 12/16/20 10:10

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/22/20 07:29	12/26/20 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	90		70 - 130				12/22/20 07:29	12/26/20 23:04	1
13C2 PFDA	91		70 - 130				12/22/20 07:29	12/26/20 23:04	1
13C2 PFHxA	100		70 - 130				12/22/20 07:29	12/26/20 23:04	1

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-24492-17

Date Collected: 12/16/20 10:00

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	14		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluoroheptanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorooctanoic acid	3.1		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorobutanesulfonic acid	4.2		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorohexanesulfonic acid	1.9		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	78		70 - 130				12/22/20 07:29	12/26/20 23:15	1
13C2 PFDA	81		70 - 130				12/22/20 07:29	12/26/20 23:15	1
13C2 PFHxA	96		70 - 130				12/22/20 07:29	12/26/20 23:15	1

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-24492-18

Date Collected: 12/16/20 10:00

Matrix: Potable Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluoroheptanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorooctanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorononanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorodecanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorotridecanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1

Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-24492-18

Date Collected: 12/16/20 10:00

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
NEtFOSAA	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
NMeFOSAA	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluoroundecanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Perfluorododecanoic acid	<2.0		2.0	0.49	ng/L		12/22/20 07:29	12/26/20 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	90		70 - 130				12/22/20 07:29	12/26/20 23:27	1
13C2 PFDA	90		70 - 130				12/22/20 07:29	12/26/20 23:27	1
13C2 PFHxA	91		70 - 130				12/22/20 07:29	12/26/20 23:27	1

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-24492-19

Date Collected: 12/16/20 09:55

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	14		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluoroheptanoic acid	2.3		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorooctanoic acid	3.3		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorononanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorodecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorotridecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorotetradecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorobutanesulfonic acid	4.1		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorohexanesulfonic acid	2.2		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorooctanesulfonic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
NEtFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
NMeFOSAA	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluoroundecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Perfluorododecanoic acid	<1.8		1.8	0.45	ng/L		12/22/20 07:29	12/26/20 23:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	91		70 - 130				12/22/20 07:29	12/26/20 23:38	1
13C2 PFDA	90		70 - 130				12/22/20 07:29	12/26/20 23:38	1
13C2 PFHxA	96		70 - 130				12/22/20 07:29	12/26/20 23:38	1

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-24492-20

Date Collected: 12/16/20 09:55

Matrix: Potable Water

Date Received: 12/18/20 16:45

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluoroheptanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorooctanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorononanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorodecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-24492-20

Date Collected: 12/16/20 09:55

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorotetradecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
NEtFOSAA	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
NMeFOSAA	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluoroundecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Perfluorododecanoic acid	<1.9		1.9	0.48	ng/L		12/22/20 07:29	12/26/20 23:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	88		70 - 130				12/22/20 07:29	12/26/20 23:50	1
13C2 PFDA	90		70 - 130				12/22/20 07:29	12/26/20 23:50	1
13C2 PFHxA	93		70 - 130				12/22/20 07:29	12/26/20 23:50	1

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-24492-21

Date Collected: 12/16/20 09:30

Matrix: Drinking Water

Date Received: 12/18/20 16:45

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		12/29/20 19:14	12/31/20 10:21	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77		70 - 130				12/29/20 19:14	12/31/20 10:21	1
13C2 PFDA	85		70 - 130				12/29/20 19:14	12/31/20 10:21	1
13C2 PFHxA	86		70 - 130				12/29/20 19:14	12/31/20 10:21	1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-24492-22

Date Collected: 12/16/20 09:30

Matrix: Potable Water

Date Received: 12/18/20 16:45

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		12/29/20 19:14	12/31/20 10:33	1
Perfluoroheptanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorooctanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorononanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

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

Job ID: 410-24492-1

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-24492-22

Date Collected: 12/16/20 09:30

Matrix: Potable Water

Date Received: 12/18/20 16:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorotridecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorotetradecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorobutanesulfonic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorohexanesulfonic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorooctanesulfonic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
NEtFOSAA	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
NMeFOSAA	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluoroundecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1
Perfluorododecanoic acid	<1.9		1.9	0.47	ng/L		12/29/20 19:14	12/31/20 10:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	77		70 - 130	12/29/20 19:14	12/31/20 10:33	1
13C2 PFDA	93		70 - 130	12/29/20 19:14	12/31/20 10:33	1
13C2 PFHxA	87		70 - 130	12/29/20 19:14	12/31/20 10:33	1

Surrogate Summary

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

Job ID: 410-24492-1

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)
410-24492-1	7670061 002 Coppersmith Well	74	85	96
410-24492-3	7670061 003 DuPont Well	80	91	99
410-24492-3 - DL	7670061 003 DuPont Well	69 S1-	75	80
410-24492-5	7670061 302 DuPont Between Lead & Lag	83	91	108
410-24492-7	7670061 302 DuPont Lead Vessel 1/2 Way	94	91	99
410-24492-9	7670061 302 DuPont After Lag Vessel	77	83	105
410-24492-13	7670061 301 Conley Between Lead & Lag	74	83	96
410-24492-15	7670061 301 Conley Lead Vessel 1/2 Way	71	86	100
410-24492-17	7670061 301 Conley After Lag Vessel	78	81	96
410-24492-19	7670061 101 Conley EP Grab Water	91	90	96
410-24492-21	7670061 102 DuPont EP	77	85	86
LCS 410-79097/2-A	Lab Control Sample	94	95	99
LCS 410-80789/2-A	Lab Control Sample	73	93	84
LCS 410-79097/3-A	Lab Control Sample Dup	80	86	96
LLCS 410-79097/4-A	Lab Control Sample	85	88	92
LLCS 410-80789/3-A	Lab Control Sample	83	98	87
MB 410-79097/1-A	Method Blank	79	90	96
MB 410-80789/1-A	Method Blank	75	91	79

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)
410-24492-2	7670061 002 Coppersmith Well FB	83	94	102
410-24492-4	7670061 003 DuPont Well FB	96	92	96
410-24492-6	7670061 302 DuPont Between Lead & Lag FB	86	86	96
410-24492-8	7670061 302 DuPont Lead Vessel 1/2 Way FB	87	98	103
410-24492-10	7670061 302 DuPont After Lag Vessel FB	91	94	101
410-24492-14	7670061 301 Conley Between Lead & Lag FB	96	91	101
410-24492-16	7670061 301 Conley Lead Vessel 1/2 Way FB	90	91	100
410-24492-18	7670061 301 Conley After Lag Vessel FB	90	90	91
410-24492-20	7670061 101 Conley Field Blank Grab Water	88	90	93
410-24492-22	7670061 102 DuPont EP FB	77	93	87

Surrogate Summary

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

Job ID: 410-24492-1

Surrogate Legend

d5NEFOS = d5-NEtFOSAA

PFDA = 13C2 PFDA

PFHxA = 13C2 PFHxA

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QC Sample Results

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

Job ID: 410-24492-1

Method: EPA 537 Ver 1.1 - EPA 537 Version 1.1

Lab Sample ID: MB 410-79097/1-A
Matrix: Drinking Water
Analysis Batch: 79995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79097

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		12/22/20 07:29	12/26/20 19:15	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	79		70 - 130	12/22/20 07:29	12/26/20 19:15	1
13C2 PFDA	90		70 - 130	12/22/20 07:29	12/26/20 19:15	1
13C2 PFHxA	96		70 - 130	12/22/20 07:29	12/26/20 19:15	1

Lab Sample ID: LCS 410-79097/2-A
Matrix: Drinking Water
Analysis Batch: 79995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79097

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Perfluorohexanoic acid	20.5	19.1		ng/L		93	70 - 130
Perfluoroheptanoic acid	20.5	19.0		ng/L		93	70 - 130
Perfluorooctanoic acid	20.5	18.0		ng/L		88	70 - 130
Perfluorononanoic acid	20.5	18.7		ng/L		91	70 - 130
Perfluorodecanoic acid	20.5	16.6		ng/L		81	70 - 130
Perfluorotridecanoic acid	20.5	17.5		ng/L		86	70 - 130
Perfluorotetradecanoic acid	20.5	17.9		ng/L		87	70 - 130
Perfluorobutanesulfonic acid	18.1	16.0		ng/L		88	70 - 130
Perfluorohexanesulfonic acid	18.7	15.7		ng/L		84	70 - 130
Perfluorooctanesulfonic acid	19.0	16.5		ng/L		87	70 - 130
NEtFOSAA	20.5	17.3		ng/L		85	70 - 130
NMeFOSAA	20.5	17.2		ng/L		84	70 - 130
Perfluoroundecanoic acid	20.5	17.5		ng/L		86	70 - 130
Perfluorododecanoic acid	20.5	17.5		ng/L		85	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	94		70 - 130
13C2 PFDA	95		70 - 130
13C2 PFHxA	99		70 - 130

QC Sample Results

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

Job ID: 410-24492-1

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

Lab Sample ID: LCSD 410-79097/3-A

Matrix: Drinking Water

Analysis Batch: 79995

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 79097

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	20.5	19.4		ng/L		95	70 - 130	2	30	
Perfluoroheptanoic acid	20.5	18.6		ng/L		91	70 - 130	2	30	
Perfluorooctanoic acid	20.5	18.2		ng/L		89	70 - 130	1	30	
Perfluorononanoic acid	20.5	19.0		ng/L		93	70 - 130	1	30	
Perfluorodecanoic acid	20.5	17.8		ng/L		87	70 - 130	7	30	
Perfluorotridecanoic acid	20.5	17.3		ng/L		84	70 - 130	2	30	
Perfluorotetradecanoic acid	20.5	18.0		ng/L		88	70 - 130	1	30	
Perfluorobutanesulfonic acid	18.1	16.8		ng/L		93	70 - 130	5	30	
Perfluorohexanesulfonic acid	18.7	17.1		ng/L		92	70 - 130	9	30	
Perfluorooctanesulfonic acid	19.0	17.7		ng/L		93	70 - 130	7	30	
NEtFOSAA	20.5	16.4		ng/L		80	70 - 130	6	30	
NMeFOSAA	20.5	16.8		ng/L		82	70 - 130	3	30	
Perfluoroundecanoic acid	20.5	18.5		ng/L		90	70 - 130	5	30	
Perfluorododecanoic acid	20.5	18.1		ng/L		89	70 - 130	4	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	80		70 - 130
13C2 PFDA	86		70 - 130
13C2 PFHxA	96		70 - 130

Lab Sample ID: LLCS 410-79097/4-A

Matrix: Drinking Water

Analysis Batch: 79995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 79097

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorohexanoic acid	1.92	1.99	J	ng/L		104	50 - 150			
Perfluoroheptanoic acid	1.92	1.90	J	ng/L		99	50 - 150			
Perfluorooctanoic acid	1.92	1.93	J	ng/L		101	50 - 150			
Perfluorononanoic acid	1.92	2.00		ng/L		104	50 - 150			
Perfluorodecanoic acid	1.92	1.83	J	ng/L		95	50 - 150			
Perfluorotridecanoic acid	1.92	1.78	J	ng/L		93	50 - 150			
Perfluorotetradecanoic acid	1.92	1.86	J	ng/L		97	50 - 150			
Perfluorobutanesulfonic acid	1.70	1.66	J	ng/L		97	50 - 150			
Perfluorohexanesulfonic acid	1.75	1.67	J	ng/L		95	50 - 150			
Perfluorooctanesulfonic acid	1.78	1.88	J	ng/L		106	50 - 150			
NEtFOSAA	1.92	1.85	J	ng/L		97	50 - 150			
NMeFOSAA	1.92	1.95	J	ng/L		101	50 - 150			
Perfluoroundecanoic acid	1.92	1.80	J	ng/L		93	50 - 150			
Perfluorododecanoic acid	1.92	1.80	J	ng/L		94	50 - 150			

Surrogate	LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	85		70 - 130
13C2 PFDA	88		70 - 130
13C2 PFHxA	92		70 - 130

QC Sample Results

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

Job ID: 410-24492-1

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

Lab Sample ID: MB 410-80789/1-A
Matrix: Drinking Water
Analysis Batch: 81295

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80789

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		12/29/20 19:14	12/31/20 08:50	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	75		70 - 130	12/29/20 19:14	12/31/20 08:50	1
13C2 PFDA	91		70 - 130	12/29/20 19:14	12/31/20 08:50	1
13C2 PFHxA	79		70 - 130	12/29/20 19:14	12/31/20 08:50	1

Lab Sample ID: LCS 410-80789/2-A
Matrix: Drinking Water
Analysis Batch: 81295

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80789

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Perfluorohexanoic acid	20.5	15.7		ng/L		76	70 - 130
Perfluoroheptanoic acid	20.5	16.2		ng/L		79	70 - 130
Perfluorooctanoic acid	20.5	16.1		ng/L		79	70 - 130
Perfluorononanoic acid	20.5	18.1		ng/L		88	70 - 130
Perfluorodecanoic acid	20.5	17.7		ng/L		86	70 - 130
Perfluorotridecanoic acid	20.5	16.7		ng/L		82	70 - 130
Perfluorotetradecanoic acid	20.5	17.1		ng/L		84	70 - 130
Perfluorobutanesulfonic acid	18.1	13.3		ng/L		73	70 - 130
Perfluorohexanesulfonic acid	18.7	14.4		ng/L		77	70 - 130
Perfluorooctanesulfonic acid	19.0	14.7		ng/L		77	70 - 130
NEtFOSAA	20.5	14.4		ng/L		70	70 - 130
NMeFOSAA	20.5	16.2		ng/L		79	70 - 130
Perfluoroundecanoic acid	20.5	17.3		ng/L		85	70 - 130
Perfluorododecanoic acid	20.5	17.3		ng/L		84	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	73		70 - 130
13C2 PFDA	93		70 - 130
13C2 PFHxA	84		70 - 130

QC Sample Results

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

Job ID: 410-24492-1

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

Lab Sample ID: LLCS 410-80789/3-A

Matrix: Drinking Water

Analysis Batch: 81295

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 80789

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	1.92	1.88	J	ng/L		98	50 - 150
Perfluoroheptanoic acid	1.92	1.76	J	ng/L		92	50 - 150
Perfluorooctanoic acid	1.92	1.88	J	ng/L		98	50 - 150
Perfluorononanoic acid	1.92	2.02		ng/L		105	50 - 150
Perfluorodecanoic acid	1.92	1.87	J	ng/L		98	50 - 150
Perfluorotridecanoic acid	1.92	1.84	J	ng/L		96	50 - 150
Perfluorotetradecanoic acid	1.92	1.86	J	ng/L		97	50 - 150
Perfluorobutanesulfonic acid	1.70	1.36	J	ng/L		80	50 - 150
Perfluorohexanesulfonic acid	1.75	1.42	J	ng/L		81	50 - 150
Perfluorooctanesulfonic acid	1.78	1.48	J	ng/L		83	50 - 150
NEtFOSAA	1.92	1.83	J	ng/L		95	50 - 150
NMeFOSAA	1.92	1.70	J	ng/L		89	50 - 150
Perfluoroundecanoic acid	1.92	1.88	J	ng/L		98	50 - 150
Perfluorododecanoic acid	1.92	1.89	J	ng/L		98	50 - 150

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	83		70 - 130
13C2 PFDA	98		70 - 130
13C2 PFHxA	87		70 - 130

QC Association Summary

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

Job ID: 410-24492-1

LCMS

Prep Batch: 79097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-24492-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-6	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-7	7670061 302 DuPont Lead Vessel 1/2 Way	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-8	7670061 302 DuPont Lead Vessel 1/2 Way FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-9	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-10	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-13	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-14	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-15	7670061 301 Conley Lead Vessel 1/2 Way	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-16	7670061 301 Conley Lead Vessel 1/2 Way FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
410-24492-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-79097/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-79097/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-79097/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-79097/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 79995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-24492-1	7670061 002 Coppersmith Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-2	7670061 002 Coppersmith Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-3	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-4	7670061 003 DuPont Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-5	7670061 302 DuPont Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-6	7670061 302 DuPont Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-7	7670061 302 DuPont Lead Vessel 1/2 Way	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-8	7670061 302 DuPont Lead Vessel 1/2 Way FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-9	7670061 302 DuPont After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-10	7670061 302 DuPont After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-13	7670061 301 Conley Between Lead & Lag	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-14	7670061 301 Conley Between Lead & Lag FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-15	7670061 301 Conley Lead Vessel 1/2 Way	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-16	7670061 301 Conley Lead Vessel 1/2 Way FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-17	7670061 301 Conley After Lag Vessel	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-18	7670061 301 Conley After Lag Vessel FB	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
410-24492-19	7670061 101 Conley EP Grab Water	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
410-24492-20	7670061 101 Conley Field Blank Grab Water	Total/NA	Potable Water	EPA 537 Ver 1.1	79097
MB 410-79097/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
LCS 410-79097/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
LCS 410-79097/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097
LLCS 410-79097/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097

QC Association Summary

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

Job ID: 410-24492-1

LCMS

Analysis Batch: 80230

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-24492-3 - DL	7670061 003 DuPont Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	79097

Prep Batch: 80789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-24492-21	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-24492-22	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-80789/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-80789/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-80789/3-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

Analysis Batch: 81295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-24492-21	7670061 102 DuPont EP	Total/NA	Drinking Water	EPA 537 Ver 1.1	80789
410-24492-22	7670061 102 DuPont EP FB	Total/NA	Potable Water	EPA 537 Ver 1.1	80789
MB 410-80789/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	80789
LCS 410-80789/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	80789
LLCS 410-80789/3-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	80789



Lab Chronicle

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

Job ID: 410-24492-1

Client Sample ID: 7670061 002 Coppersmith Well

Lab Sample ID: 410-24492-1

Date Collected: 12/16/20 09:20

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 20:00	VK3G	ELLE

Client Sample ID: 7670061 002 Coppersmith Well FB

Lab Sample ID: 410-24492-2

Date Collected: 12/16/20 09:20

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 20:12	VK3G	ELLE

Client Sample ID: 7670061 003 DuPont Well

Lab Sample ID: 410-24492-3

Date Collected: 12/16/20 09:50

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 20:23	VK3G	ELLE
Total/NA	Prep	EPA 537 Ver 1.1	DL		79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1	DL	10	80230	12/28/20 12:56	VK3G	ELLE

Client Sample ID: 7670061 003 DuPont Well FB

Lab Sample ID: 410-24492-4

Date Collected: 12/16/20 09:50

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 20:35	VK3G	ELLE

Client Sample ID: 7670061 302 DuPont Between Lead & Lag

Lab Sample ID: 410-24492-5

Date Collected: 12/16/20 09:40

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 20:46	VK3G	ELLE

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

Lab Sample ID: 410-24492-6

Date Collected: 12/16/20 09:40

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 20:58	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-24492-1

Client Sample ID: 7670061 302 DuPont Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-7

Date Collected: 12/16/20 09:45

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 21:09	VK3G	ELLE

Client Sample ID: 7670061 302 DuPont Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-8

FB

Date Collected: 12/16/20 09:45

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 21:21	VK3G	ELLE

Client Sample ID: 7670061 302 DuPont After Lag Vessel

Lab Sample ID: 410-24492-9

Date Collected: 12/16/20 09:35

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 21:32	VK3G	ELLE

Client Sample ID: 7670061 302 DuPont After Lag Vessel FB

Lab Sample ID: 410-24492-10

Date Collected: 12/16/20 09:35

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 21:44	VK3G	ELLE

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-24492-13

Date Collected: 12/16/20 10:05

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 22:29	VK3G	ELLE

Client Sample ID: 7670061 301 Conley Between Lead & Lag

Lab Sample ID: 410-24492-14

FB

Date Collected: 12/16/20 10:05

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 22:41	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-24492-1

Client Sample ID: 7670061 301 Conley Lead Vessel 1/2 Way

Lab Sample ID: 410-24492-15

Date Collected: 12/16/20 10:10

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 22:52	VK3G	ELLE

Client Sample ID: 7670061 301 Conley Lead Vessel 1/2 Way FB

Lab Sample ID: 410-24492-16

Date Collected: 12/16/20 10:10

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 23:04	VK3G	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel

Lab Sample ID: 410-24492-17

Date Collected: 12/16/20 10:00

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 23:15	VK3G	ELLE

Client Sample ID: 7670061 301 Conley After Lag Vessel FB

Lab Sample ID: 410-24492-18

Date Collected: 12/16/20 10:00

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 23:27	VK3G	ELLE

Client Sample ID: 7670061 101 Conley EP Grab Water

Lab Sample ID: 410-24492-19

Date Collected: 12/16/20 09:55

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 23:38	VK3G	ELLE

Client Sample ID: 7670061 101 Conley Field Blank Grab Water

Lab Sample ID: 410-24492-20

Date Collected: 12/16/20 09:55

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			79097	12/22/20 07:29	CL	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	79995	12/26/20 23:50	VK3G	ELLE

Lab Chronicle

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

Job ID: 410-24492-1

Client Sample ID: 7670061 102 DuPont EP

Lab Sample ID: 410-24492-21

Date Collected: 12/16/20 09:30

Matrix: Drinking Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			80789	12/29/20 19:14	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	81295	12/31/20 10:21	DCS9	ELLE

Client Sample ID: 7670061 102 DuPont EP FB

Lab Sample ID: 410-24492-22

Date Collected: 12/16/20 09:30

Matrix: Potable Water

Date Received: 12/18/20 16:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			80789	12/29/20 19:14	QLP7	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	81295	12/31/20 10:33	DCS9	ELLE

Laboratory References:

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



Accreditation/Certification Summary

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

Job ID: 410-24492-1

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: 410-24492-1

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: 410-24492-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-24492-1	7670061 002 Coppersmith Well	Drinking Water	12/16/20 09:20	12/18/20 16:45	
410-24492-2	7670061 002 Coppersmith Well FB	Potable Water	12/16/20 09:20	12/18/20 16:45	
410-24492-3	7670061 003 DuPont Well	Drinking Water	12/16/20 09:50	12/18/20 16:45	
410-24492-4	7670061 003 DuPont Well FB	Potable Water	12/16/20 09:50	12/18/20 16:45	
410-24492-5	7670061 302 DuPont Between Lead & Lag	Drinking Water	12/16/20 09:40	12/18/20 16:45	
410-24492-6	7670061 302 DuPont Between Lead & Lag FB	Potable Water	12/16/20 09:40	12/18/20 16:45	
410-24492-7	7670061 302 DuPont Lead Vessel 1/2 Way	Drinking Water	12/16/20 09:45	12/18/20 16:45	
410-24492-8	7670061 302 DuPont Lead Vessel 1/2 Way FB	Potable Water	12/16/20 09:45	12/18/20 16:45	
410-24492-9	7670061 302 DuPont After Lag Vessel	Drinking Water	12/16/20 09:35	12/18/20 16:45	
410-24492-10	7670061 302 DuPont After Lag Vessel FB	Potable Water	12/16/20 09:35	12/18/20 16:45	
410-24492-13	7670061 301 Conley Between Lead & Lag	Drinking Water	12/16/20 10:05	12/18/20 16:45	
410-24492-14	7670061 301 Conley Between Lead & Lag FB	Potable Water	12/16/20 10:05	12/18/20 16:45	
410-24492-15	7670061 301 Conley Lead Vessel 1/2 Way	Drinking Water	12/16/20 10:10	12/18/20 16:45	
410-24492-16	7670061 301 Conley Lead Vessel 1/2 Way FB	Potable Water	12/16/20 10:10	12/18/20 16:45	
410-24492-17	7670061 301 Conley After Lag Vessel	Drinking Water	12/16/20 10:00	12/18/20 16:45	
410-24492-18	7670061 301 Conley After Lag Vessel FB	Potable Water	12/16/20 10:00	12/18/20 16:45	
410-24492-19	7670061 101 Conley EP Grab Water	Drinking Water	12/16/20 09:55	12/18/20 16:45	
410-24492-20	7670061 101 Conley Field Blank Grab Water	Potable Water	12/16/20 09:55	12/18/20 16:45	
410-24492-21	7670061 102 DuPont EP	Drinking Water	12/16/20 09:30	12/18/20 16:45	
410-24492-22	7670061 102 DuPont EP FB	Potable Water	12/16/20 09:30	12/18/20 16:45	

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories
Environmental

Acct. # 44297 Group # _____

Sample # _____

Client: SUEZ WATER PA		Matrix		Analyses Requested						For Lab Use Only							
Project Name: Newberry System		Site ID #:		<input type="checkbox"/> Tissue <input checked="" type="checkbox"/> Ground <input type="checkbox"/> Surface <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Sediment <input type="checkbox"/> Soil Other: GAC Filtered Water Total # of Containers						Preservation and Filtration Codes						SF #: _____	
Project Manager: Elizabeth Zanar		P.O. #:								O						SCR #: _____	
Sampler: Penny Bumbarger		PWSID #: 7670061		PFAS (14) 537 v 1.1						Preservation Codes H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ P = H ₃ PO ₄ F = Field Filtered O = Other							
Phone #: 717-773-0185		Quote #: 219948A															
State where samples were collected: PA		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Collection		Grab		Composite		Remarks							
Sample Identification		Date	Time							Monthly Compliance							
005 Conley Well		12/16/20	1020	X													
FB - Conley Well		12/16/20	1020														
301s Conley Between Lead and Lag		12/16/20	1005	X		X											
FB - Conley Between Lead and Lag		12/16/20	1005														
301s Conley Lead Vessel Halfway Port		12/16/20	1010	X		X											
FB - Conley Lead Vessel Halfway Port		12/16/20	1010														
301s Conley After Lag		12/16/20	1000	X		X											
FB - Conley After Lag		12/16/20	1000														
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		12/18/20	1116	[Signature]		12/18/20	1115						
Date results are needed:				Relinquished by:		Date	Time	Received by:		Date	Time						
Rush results requested by (please check):		E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>		[Signature]		12/18/20	1634										
E-mail Address: penny.bumbarger@suez.com				Relinquished by:		Date	Time	Received by:		Date	Time						
Phone: 717-773-0185				Relinquished by:		Date	Time	Received by:		Date	Time						
Data Package Options (please check if required)				Relinquished by:		Date	Time	Received by:		Date	Time						
Type I (Validation/non-CLP)	<input type="checkbox"/>	MA MCP	<input type="checkbox"/>	Relinquished by:		Date	Time	Received by:		Date	Time						
Type III (Reduced non-CLP)	<input type="checkbox"/>	CT RCP	<input type="checkbox"/>	Relinquished by:		Date	Time	Received by:		Date	Time						
Type VI (Raw Data Only)	<input type="checkbox"/>	TX TRRP-13	<input type="checkbox"/>	Relinquished by:		Date	Time	Received by:		Date	Time						
NJ DKQP	<input type="checkbox"/>	NYSDEC Category	<input type="checkbox"/> A or <input type="checkbox"/> B	Relinquished by Commercial Carrier:				Temperature upon receipt		0-2-010 °C							
EDD Required?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, format: _____		UPS _____ FedEx _____ Other _____													



Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-24492-1

Login Number: 24492

List Source: Eurofins Lancaster Laboratories Env

List Number: 1

Creator: Phillips, Ann-Marie E

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	