

## ANALYTICAL REPORT

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

Laboratory Job ID: 410-40894-1  
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:  
6/1/2021 9:03:01 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  
6/1/2021 9:03:01 AM



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## Definitions/Glossary

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

Job ID: 410-40894-1

### Qualifiers

#### LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

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

Job ID: 410-40894-1

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**Job ID: 410-40894-1**

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

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**Narrative**

**Job Narrative  
410-40894-1**

**Receipt**

The samples were received on 5/21/2021 6:12 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.5°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: 410-40894-1

**Client Sample ID: 7670061 006 Eden Well**

**Lab Sample ID: 410-40894-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid	3.5		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluoroheptanoic acid	2.4		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanoic acid	5.7		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorobutanesulfonic acid	5.9		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorohexanesulfonic acid	3.8		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA
Perfluorooctanesulfonic acid	7.2		1.7	0.42	ng/L	1		EPA 537 Ver 1.1	Total/NA

**Client Sample ID: 7670061 006 Eden Well FB**

**Lab Sample ID: 410-40894-2**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

# Client Sample Results

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

Job ID: 410-40894-1

**Client Sample ID: 7670061 006 Eden Well**

**Lab Sample ID: 410-40894-1**

Date Collected: 05/21/21 09:30

Matrix: Drinking Water

Date Received: 05/21/21 18:12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid	3.5		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluoroheptanoic acid	2.4		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorooctanoic acid	5.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorononanoic acid	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorodecanoic acid	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorotridecanoic acid	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorotetradecanoic acid	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorobutanesulfonic acid	5.9		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorohexanesulfonic acid	3.8		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorooctanesulfonic acid	7.2		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
NEtFOSAA	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
NMeFOSAA	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluoroundecanoic acid	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
Perfluorododecanoic acid	<1.7		1.7	0.42	ng/L		05/28/21 07:44	05/29/21 01:27	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	109		70 - 130				05/28/21 07:44	05/29/21 01:27	1
13C2 PFDA	107		70 - 130				05/28/21 07:44	05/29/21 01:27	1
13C2 PFHxA	90		70 - 130				05/28/21 07:44	05/29/21 01:27	1

**Client Sample ID: 7670061 006 Eden Well FB**

**Lab Sample ID: 410-40894-2**

Date Collected: 05/21/21 09:30

Matrix: Potable Water

Date Received: 05/21/21 18:12

**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	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluoroheptanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorooctanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorononanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorodecanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorotridecanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorotetradecanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorobutanesulfonic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorohexanesulfonic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorooctanesulfonic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
NEtFOSAA	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
NMeFOSAA	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluoroundecanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
Perfluorododecanoic acid	<1.7		1.7	0.43	ng/L		05/28/21 07:44	05/29/21 01:38	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
d5-NEtFOSAA	101		70 - 130				05/28/21 07:44	05/29/21 01:38	1
13C2 PFDA	99		70 - 130				05/28/21 07:44	05/29/21 01:38	1
13C2 PFHxA	104		70 - 130				05/28/21 07:44	05/29/21 01:38	1

# Surrogate Summary

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

Job ID: 410-40894-1

## 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)
410-40894-1	7670061 006 Eden Well	109	107	90
LCS 410-131856/2-A	Lab Control Sample	94	93	97
LCS 410-131856/3-A	Lab Control Sample Dup	106	109	115
LLCS 410-131856/4-A	Lab Control Sample	100	99	107
MB 410-131856/1-A	Method Blank	107	104	109

**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)
410-40894-2	7670061 006 Eden Well FB	101	99	104

**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: 410-40894-1

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

**Lab Sample ID: MB 410-131856/1-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 132214**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 131856**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorohexanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluoroheptanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorooctanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorononanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorodecanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorotridecanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorotetradecanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorobutanesulfonic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorohexanesulfonic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorooctanesulfonic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
NEtFOSAA	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
NMeFOSAA	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluoroundecanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1
Perfluorododecanoic acid	<2.0		2.0	0.50	ng/L		05/28/21 07:44	05/28/21 21:56	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
d5-NEtFOSAA	107		70 - 130	05/28/21 07:44	05/28/21 21:56	1
13C2 PFDA	104		70 - 130	05/28/21 07:44	05/28/21 21:56	1
13C2 PFHxA	109		70 - 130	05/28/21 07:44	05/28/21 21:56	1

**Lab Sample ID: LCS 410-131856/2-A**  
**Matrix: Drinking Water**  
**Analysis Batch: 132214**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 131856**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Perfluorohexanoic acid	25.6	22.2		ng/L		87	70 - 130
Perfluoroheptanoic acid	25.6	22.1		ng/L		86	70 - 130
Perfluorooctanoic acid	25.6	21.4		ng/L		83	70 - 130
Perfluorononanoic acid	25.6	20.5		ng/L		80	70 - 130
Perfluorodecanoic acid	25.6	21.4		ng/L		84	70 - 130
Perfluorotridecanoic acid	25.6	22.1		ng/L		86	70 - 130
Perfluorotetradecanoic acid	25.6	22.0		ng/L		86	70 - 130
Perfluorobutanesulfonic acid	22.7	19.3		ng/L		85	70 - 130
Perfluorohexanesulfonic acid	23.3	19.3		ng/L		83	70 - 130
Perfluorooctanesulfonic acid	23.7	20.0		ng/L		85	70 - 130
NEtFOSAA	25.6	21.7		ng/L		85	70 - 130
NMeFOSAA	25.6	20.8		ng/L		81	70 - 130
Perfluoroundecanoic acid	25.6	21.0		ng/L		82	70 - 130
Perfluorododecanoic acid	25.6	21.4		ng/L		83	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	94		70 - 130
13C2 PFDA	93		70 - 130
13C2 PFHxA	97		70 - 130

## QC Sample Results

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

Job ID: 410-40894-1

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

Lab Sample ID: LCSD 410-131856/3-A

Matrix: Drinking Water

Analysis Batch: 132214

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 131856

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorohexanoic acid	25.6	26.7		ng/L		104	70 - 130	18	30
Perfluoroheptanoic acid	25.6	27.1		ng/L		106	70 - 130	20	30
Perfluorooctanoic acid	25.6	25.8		ng/L		101	70 - 130	19	30
Perfluorononanoic acid	25.6	25.3		ng/L		99	70 - 130	21	30
Perfluorodecanoic acid	25.6	26.1		ng/L		102	70 - 130	20	30
Perfluorotridecanoic acid	25.6	25.9		ng/L		101	70 - 130	16	30
Perfluorotetradecanoic acid	25.6	27.0		ng/L		106	70 - 130	20	30
Perfluorobutanesulfonic acid	22.7	22.2		ng/L		98	70 - 130	14	30
Perfluorohexanesulfonic acid	23.3	23.0		ng/L		98	70 - 130	17	30
Perfluorooctanesulfonic acid	23.7	23.7		ng/L		100	70 - 130	17	30
NEtFOSAA	25.6	25.1		ng/L		98	70 - 130	15	30
NMeFOSAA	25.6	24.2		ng/L		95	70 - 130	15	30
Perfluoroundecanoic acid	25.6	25.1		ng/L		98	70 - 130	18	30
Perfluorododecanoic acid	25.6	26.0		ng/L		101	70 - 130	20	30

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	106		70 - 130
13C2 PFDA	109		70 - 130
13C2 PFHxA	115		70 - 130

Lab Sample ID: LLCS 410-131856/4-A

Matrix: Drinking Water

Analysis Batch: 132214

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 131856

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorohexanoic acid	2.40	2.16		ng/L		90	50 - 150
Perfluoroheptanoic acid	2.40	2.04		ng/L		85	50 - 150
Perfluorooctanoic acid	2.40	2.01		ng/L		84	50 - 150
Perfluorononanoic acid	2.40	2.05		ng/L		85	50 - 150
Perfluorodecanoic acid	2.40	1.99	J	ng/L		83	50 - 150
Perfluorotridecanoic acid	2.40	1.97	J	ng/L		82	50 - 150
Perfluorotetradecanoic acid	2.40	1.99	J	ng/L		83	50 - 150
Perfluorobutanesulfonic acid	2.12	1.79	J	ng/L		84	50 - 150
Perfluorohexanesulfonic acid	2.19	1.69	J	ng/L		77	50 - 150
Perfluorooctanesulfonic acid	2.22	1.85	J	ng/L		83	50 - 150
NEtFOSAA	2.40	2.04		ng/L		85	50 - 150
NMeFOSAA	2.40	1.98	J	ng/L		83	50 - 150
Perfluoroundecanoic acid	2.40	1.93	J	ng/L		81	50 - 150
Perfluorododecanoic acid	2.40	1.91	J	ng/L		80	50 - 150

Surrogate	LLCS LLCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	100		70 - 130
13C2 PFDA	99		70 - 130
13C2 PFHxA	107		70 - 130

# QC Association Summary

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

Job ID: 410-40894-1

## LCMS

### Prep Batch: 131856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40894-1	7670061 006 Eden Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	
410-40894-2	7670061 006 Eden Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	
MB 410-131856/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCS 410-131856/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LCSD 410-131856/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	
LLCS 410-131856/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	

### Analysis Batch: 132214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-40894-1	7670061 006 Eden Well	Total/NA	Drinking Water	EPA 537 Ver 1.1	131856
410-40894-2	7670061 006 Eden Well FB	Total/NA	Potable Water	EPA 537 Ver 1.1	131856
MB 410-131856/1-A	Method Blank	Total/NA	Drinking Water	EPA 537 Ver 1.1	131856
LCS 410-131856/2-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	131856
LCSD 410-131856/3-A	Lab Control Sample Dup	Total/NA	Drinking Water	EPA 537 Ver 1.1	131856
LLCS 410-131856/4-A	Lab Control Sample	Total/NA	Drinking Water	EPA 537 Ver 1.1	131856

# Lab Chronicle

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

Job ID: 410-40894-1

**Client Sample ID: 7670061 006 Eden Well**

**Lab Sample ID: 410-40894-1**

Date Collected: 05/21/21 09:30

Matrix: Drinking Water

Date Received: 05/21/21 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			131856	05/28/21 07:44	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	132214	05/29/21 01:27	PY4D	ELLE

**Client Sample ID: 7670061 006 Eden Well FB**

**Lab Sample ID: 410-40894-2**

Date Collected: 05/21/21 09:30

Matrix: Potable Water

Date Received: 05/21/21 18:12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	EPA 537 Ver 1.1			131856	05/28/21 07:44	RDL8	ELLE
Total/NA	Analysis	EPA 537 Ver 1.1		1	132214	05/29/21 01:38	PY4D	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: 410-40894-1

## 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: 410-40894-1

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: 410-40894-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-40894-1	7670061 006 Eden Well	Drinking Water	05/21/21 09:30	05/21/21 18:12	
410-40894-2	7670061 006 Eden Well FB	Potable Water	05/21/21 09:30	05/21/21 18:12	

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Lancaster Laboratories Environmental

Acct. # 44297 Group

410-40894 Chain of Custody

Client: <b>SUEZ WATER PA</b>		Matrix		Analyses Requested								For Lab Use Only		
Project Name: Newberry System		Site ID #:		Preservation and Filtration Codes								SF #: _____		
Project Manager: Elizabeth Zanar		P.O. #:		O								SCR #: _____		
Sampler: Penny Bumbarger		PWSID #: 7670061		Soil <input type="checkbox"/> Sediment <input type="checkbox"/> Tissue <input type="checkbox"/> Potable <input type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Water <input type="checkbox"/> NPDES <input type="checkbox"/> Other: GAC Filtered Water <input type="checkbox"/> Total # of Containers: PFAS (14) 537 v 1.1								Preservation Codes H = HCl                      T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> P = H <sub>3</sub> PO <sub>4</sub> F = Field Filtered        O = Other		
Phone #: 717-773-0185		Quote #: 219948A										Remarks		
State where samples were collected: PA		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										Quarterly Compliance		
Sample Identification		Collection		Grab	Composite									
Date	Time													
006 Eden Well	5/20/21	0930	X											
FB - Eden Well	5/24/21	0930												
Batch of Eden Well		5/20/21	0930	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		5/24/21	1105	G. DeWitt		5/21/21	1105			
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"/>		G. DeWitt		5/24/21	1757							
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"/>											
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"/>							5-21/21	1817			
NJ DKQP	<input type="checkbox"/>	NYSDEC Category	<input type="checkbox"/> A or <input type="checkbox"/> B	Relinquished by Commercial Carrier:										
EDD Required?	Yes <input type="checkbox"/> No <input type="checkbox"/>	If yes, format: _____		UPS _____ FedEx _____ Other _____				Temperature upon receipt		0.5	°C			

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## Login Sample Receipt Checklist

Client: SUEZ Water Environmental Services Inc

Job Number: 410-40894-1

Login Number: 40894

List Source: Eurofins Lancaster Laboratories Env, LLC

List Number: 1

Creator: Cyms, Carolyn M

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	