



ANALYSIS REPORT

Prepared by:

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Prepared for:

Suez Water Pennsylvania
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Report Date: May 06, 2020 14:24

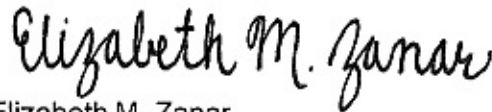
Project: Newberry System

Account #: 44297
Group Number: 2097465
State of Sample Origin: PA

Electronic Copy To Suez Water Pennsylvania
Electronic Copy To Suez Water Pennsylvania

Attn: Penny Bumbarger
Attn: Shawn Wiley

Respectfully Submitted,



Elizabeth M. Zanar
Project Manager

(717) 556-7290

To view our laboratory's current scopes of accreditation please go to <https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/> . Historical copies may be requested through your project manager.



SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Sample Collection Date/Time</u>	<u>ELLE#</u>
7670061 002 Coppersmith Well	04/23/2020 07:25	1304852
7670061 002 Coppersmith Well Field Blank	04/23/2020 07:25	1304853
7670061 003 DuPont Well	04/23/2020 08:20	1304854
7670061 003 DuPont Well Field Blank	04/23/2020 08:20	1304855
7670061 302 DuPont Between Lead and Lag	04/23/2020 08:10	1304856
7670061 302 DuPont Between Lead and Lag FB	04/23/2020 08:10	1304857
7670061 302 DuPont Lead Vessel Halfway Port	04/23/2020 08:15	1304858
7670061 302 DuPont Lead Vessel Halfway Port FB	04/23/2020 08:15	1304859
7670061 302 DuPont After Lag	04/23/2020 08:05	1304860
7670061 302 DuPont After Lag Field Blank	04/23/2020 08:05	1304861
7670061 001 Playground Well	04/23/2020 09:20	1304862
7670061 001 Playground Well Field Blank	04/23/2020 09:20	1304863
7670061 005 Conley Well	04/23/2020 09:15	1304864
7670061 005 Conley Well Field Blank	04/23/2020 09:15	1304865
7670061 301 Conley Between Lead and Lag	04/23/2020 09:05	1304866
7670061 301 Conley Between Lead and Lag FB	04/23/2020 09:05	1304867
7670061 301 Conley Lead Vessel Halfway Port	04/23/2020 09:10	1304868
7670061 301 Conley Lead Vessel Halfway Port FB	04/23/2020 09:10	1304869
7670061 301 Conley After Lag	04/23/2020 09:00	1304870
7670061 301 Conley After Lag Field Blank	04/23/2020 09:00	1304871
7670061 101 Conley	04/23/2020 08:50	1304872
7670061 101 Conley Field Blank	04/23/2020 08:50	1304873
7670061 102 DuPont	04/23/2020 07:55	1304874
7670061 102 DuPont Field Blank	04/23/2020 07:55	1304875

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: 7670061 002 Coppersmith Well
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304852
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 07:25

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA	2991-50-6	< 1.7	1.7	0.43	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14070	NMeFOSAA	2355-31-9	< 1.7	1.7	0.43	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14070	Perfluorobutanesulfonic acid	375-73-5	9.8	1.7	0.43	1
14070	Perfluorodecanoic acid	335-76-2	< 1.7	1.7	0.43	1
14070	Perfluorododecanoic acid	307-55-1	< 1.7	1.7	0.43	1
14070	Perfluoroheptanoic acid	375-85-9	10	1.7	0.43	1
14070	Perfluorohexanesulfonic acid	355-46-4	69	17	4.3	10
14070	Perfluorohexanoic acid	307-24-4	18	1.7	0.43	1
14070	Perfluorononanoic acid	375-95-1	9.4	1.7	0.43	1
14070	Perfluorooctanesulfonic acid	1763-23-1	87	17	4.3	10
14070	Perfluorooctanoic acid	335-67-1	11	1.7	0.43	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.7	1.7	0.43	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.7	1.7	0.43	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.7	1.7	0.43	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 04:20	Marissa C Drexinger	1
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 18:03	Marissa C Drexinger	10
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 002 Coppersmith Well Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304853
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 07:25

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.46	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.46	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.46	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.46	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.46	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.46	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.46	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.46	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.46	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.46	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.46	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.46	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 19:30	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 003 DuPont Well
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304854
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:20

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.7	1.7	0.43	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.7	1.7	0.43	1
14070	Perfluorobutanesulfonic acid	375-73-5	6.5	1.7	0.43	1
14070	Perfluorodecanoic acid	335-76-2	< 1.7	1.7	0.43	1
14070	Perfluorododecanoic acid	307-55-1	< 1.7	1.7	0.43	1
14070	Perfluoroheptanoic acid	375-85-9	3.3	1.7	0.43	1
14070	Perfluorohexanesulfonic acid	355-46-4	77	17	4.3	10
14070	Perfluorohexanoic acid	307-24-4	8.3	1.7	0.43	1
14070	Perfluorononanoic acid	375-95-1	1.8	1.7	0.43	1
14070	Perfluorooctanesulfonic acid	1763-23-1	91	17	4.3	10
14070	Perfluorooctanoic acid	335-67-1	5.9	1.7	0.43	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.7	1.7	0.43	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.7	1.7	0.43	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.7	1.7	0.43	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 04:32	Marissa C Drexinger	1
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 18:14	Marissa C Drexinger	10
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 003 DuPont Well Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304855
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:20

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.46	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.46	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.46	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.46	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.46	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.46	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.46	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.46	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.46	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.46	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.46	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.46	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 19:41	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 302 DuPont Between Lead and Lag
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304856
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA	2991-50-6	< 1.8	1.8	0.44	1
	NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.					
14070	NMeFOSAA	2355-31-9	< 1.8	1.8	0.44	1
	NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.					
14070	Perfluorobutanesulfonic acid	375-73-5	9.0	1.8	0.44	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.44	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.44	1
14070	Perfluoroheptanoic acid	375-85-9	6.0	1.8	0.44	1
14070	Perfluorohexanesulfonic acid	355-46-4	54	1.8	0.44	1
14070	Perfluorohexanoic acid	307-24-4	25	1.8	0.44	1
14070	Perfluorononanoic acid	375-95-1	2.9	1.8	0.44	1
14070	Perfluorooctanesulfonic acid	1763-23-1	41	1.8	0.44	1
14070	Perfluorooctanoic acid	335-67-1	5.5	1.8	0.44	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.44	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.44	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.44	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 04:43	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 302 DuPont Between Lead and Lag FB
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304857
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.45	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.45	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.45	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.45	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.45	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.45	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.45	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.45	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.45	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.45	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.45	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.45	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 19:53	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 302 DuPont Lead Vessel Halfway Port
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304858
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.7	1.7	0.43	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.7	1.7	0.43	1
14070	Perfluorobutanesulfonic acid	375-73-5	9.4	1.7	0.43	1
14070	Perfluorodecanoic acid	335-76-2	< 1.7	1.7	0.43	1
14070	Perfluorododecanoic acid	307-55-1	< 1.7	1.7	0.43	1
14070	Perfluoroheptanoic acid	375-85-9	7.7	1.7	0.43	1
14070	Perfluorohexanesulfonic acid	355-46-4	64	17	4.3	10
14070	Perfluorohexanoic acid	307-24-4	20	1.7	0.43	1
14070	Perfluorononanoic acid	375-95-1	5.9	1.7	0.43	1
14070	Perfluorooctanesulfonic acid	1763-23-1	67	17	4.3	10
14070	Perfluorooctanoic acid	335-67-1	8.2	1.7	0.43	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.7	1.7	0.43	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.7	1.7	0.43	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.7	1.7	0.43	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 05:06	Marissa C Drexinger	1
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 18:26	Marissa C Drexinger	10
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 302 DuPont Lead Vessel Halfway Port FB
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304859
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.46	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.46	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.46	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.46	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.46	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.46	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.46	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.46	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.46	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.46	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.46	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.46	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 20:04	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 302 DuPont After Lag
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304860
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.45	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.45	1
14070	Perfluorobutanesulfonic acid	375-73-5	5.4	1.8	0.45	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.45	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.45	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.45	1
14070	Perfluorohexanesulfonic acid	355-46-4	6.9	1.8	0.45	1
14070	Perfluorohexanoic acid	307-24-4	19	1.8	0.45	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanesulfonic acid	1763-23-1	2.1	1.8	0.45	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.45	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.45	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.45	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.45	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 05:18	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 302 DuPont After Lag Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304861
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.45	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.45	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.45	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.45	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.45	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.45	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.45	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.45	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.45	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.45	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.45	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.45	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 20:16	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 001 Playground Well
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304862
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:20

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.7	1.7	0.43	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.7	1.7	0.43	1
14070	Perfluorobutanesulfonic acid	375-73-5	2.9	1.7	0.43	1
14070	Perfluorodecanoic acid	335-76-2	< 1.7	1.7	0.43	1
14070	Perfluorododecanoic acid	307-55-1	< 1.7	1.7	0.43	1
14070	Perfluoroheptanoic acid	375-85-9	2.7	1.7	0.43	1
14070	Perfluorohexanesulfonic acid	355-46-4	5.9	1.7	0.43	1
14070	Perfluorohexanoic acid	307-24-4	6.7	1.7	0.43	1
14070	Perfluorononanoic acid	375-95-1	< 1.7	1.7	0.43	1
14070	Perfluorooctanesulfonic acid	1763-23-1	13	1.7	0.43	1
14070	Perfluorooctanoic acid	335-67-1	7.3	1.7	0.43	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.7	1.7	0.43	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.7	1.7	0.43	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.7	1.7	0.43	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 05:29	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 001 Playground Well Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304863
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:20

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.46	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.46	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.46	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.46	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.46	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.46	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.46	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.46	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.46	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.46	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.46	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.46	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 20:27	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 005 Conley Well
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304864
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.44	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.44	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.44	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.44	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.44	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.44	1
14070	Perfluorohexanesulfonic acid	355-46-4	2.4	1.8	0.44	1
14070	Perfluorohexanoic acid	307-24-4	3.3	1.8	0.44	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanesulfonic acid	1763-23-1	4.2	1.8	0.44	1
14070	Perfluorooctanoic acid	335-67-1	2.4	1.8	0.44	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.44	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.44	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.44	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 05:41	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 005 Conley Well Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304865
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:15

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.45	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.45	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.45	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.45	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.45	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.45	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.45	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.45	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.45	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.45	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.45	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.45	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 20:39	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 301 Conley Between Lead and Lag
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304866
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.44	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.44	1
14070	Perfluorobutanesulfonic acid	375-73-5	2.7	1.8	0.44	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.44	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.44	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.44	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.44	1
14070	Perfluorohexanoic acid	307-24-4	7.5	1.8	0.44	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanoic acid	335-67-1	1.8	1.8	0.44	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.44	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.44	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.44	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 05:52	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 301 Conley Between Lead and Lag FB
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304867
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.7	1.7	0.43	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.7	1.7	0.43	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.7	1.7	0.43	1
14070	Perfluorodecanoic acid	335-76-2	< 1.7	1.7	0.43	1
14070	Perfluorododecanoic acid	307-55-1	< 1.7	1.7	0.43	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.7	1.7	0.43	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.7	1.7	0.43	1
14070	Perfluorohexanoic acid	307-24-4	< 1.7	1.7	0.43	1
14070	Perfluorononanoic acid	375-95-1	< 1.7	1.7	0.43	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.7	1.7	0.43	1
14070	Perfluorooctanoic acid	335-67-1	< 1.7	1.7	0.43	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.7	1.7	0.43	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.7	1.7	0.43	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.7	1.7	0.43	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 21:02	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 301 Conley Lead Vessel Halfway Port
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304868
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.44	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.44	1
14070	Perfluorobutanesulfonic acid	375-73-5	3.0	1.8	0.44	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.44	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.44	1
14070	Perfluoroheptanoic acid	375-85-9	2.3	1.8	0.44	1
14070	Perfluorohexanesulfonic acid	355-46-4	3.4	1.8	0.44	1
14070	Perfluorohexanoic acid	307-24-4	7.7	1.8	0.44	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanesulfonic acid	1763-23-1	3.4	1.8	0.44	1
14070	Perfluorooctanoic acid	335-67-1	3.9	1.8	0.44	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.44	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.44	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.44	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 06:04	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 301 Conley Lead Vessel Halfway Port FB
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304869
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.45	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.45	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.45	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.45	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.45	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.45	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.45	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.45	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.45	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.45	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.45	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.45	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 21:13	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 301 Conley After Lag
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304870
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:00

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.44	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.44	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.44	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.44	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.44	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.44	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.44	1
14070	Perfluorohexanoic acid	307-24-4	4.8	1.8	0.44	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.44	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.44	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.44	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.44	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 06:15	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 301 Conley After Lag Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304871
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 09:00

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.45	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.45	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.45	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.45	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.45	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.45	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.45	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.45	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.45	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.45	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.45	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.45	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 21:25	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 101 Conley
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304872
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.6	1.6	0.41	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.6	1.6	0.41	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.6	1.6	0.41	1
14070	Perfluorodecanoic acid	335-76-2	< 1.6	1.6	0.41	1
14070	Perfluorododecanoic acid	307-55-1	< 1.6	1.6	0.41	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.6	1.6	0.41	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.6	1.6	0.41	1
14070	Perfluorohexanoic acid	307-24-4	4.5	1.6	0.41	1
14070	Perfluorononanoic acid	375-95-1	< 1.6	1.6	0.41	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.6	1.6	0.41	1
14070	Perfluorooctanoic acid	335-67-1	< 1.6	1.6	0.41	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.6	1.6	0.41	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.6	1.6	0.41	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.6	1.6	0.41	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 06:27	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 101 Conley Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304873
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 08:50

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.46	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.46	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.46	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.46	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.46	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.46	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.46	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.46	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.46	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.46	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.46	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.46	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.46	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 21:36	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 102 DuPont
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: EW 1304874
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 07:55

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.44	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.44	1
14070	Perfluorobutanesulfonic acid	375-73-5	5.9	1.8	0.44	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.44	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.44	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.44	1
14070	Perfluorohexanesulfonic acid	355-46-4	6.5	1.8	0.44	1
14070	Perfluorohexanoic acid	307-24-4	21	1.8	0.44	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.44	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.44	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.44	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.44	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.44	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20118001	04/29/2020 06:38	Marissa C Drexinger	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20118001	04/27/2020 07:31	Katherine Mora	1

*=This limit was used in the evaluation of the final result

Sample Description: 7670061 102 DuPont Field Blank
Grab Water
Newberry System

Suez Water Pennsylvania
ELLE Sample #: PW 1304875
ELLE Group #: 2097465
Matrix: Water

Project Name: Newberry System

Submittal Date/Time: 04/24/2020 14:31
Collection Date/Time: 04/23/2020 07:55

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation*	Method Detection Limit	Dilution Factor
LC/MS/MS Miscellaneous EPA 537 Version 1.1						
			ng/l	ng/l	ng/l	
14070	NEtFOSAA NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid.	2991-50-6	< 1.8	1.8	0.45	1
14070	NMeFOSAA NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid.	2355-31-9	< 1.8	1.8	0.45	1
14070	Perfluorobutanesulfonic acid	375-73-5	< 1.8	1.8	0.45	1
14070	Perfluorodecanoic acid	335-76-2	< 1.8	1.8	0.45	1
14070	Perfluorododecanoic acid	307-55-1	< 1.8	1.8	0.45	1
14070	Perfluoroheptanoic acid	375-85-9	< 1.8	1.8	0.45	1
14070	Perfluorohexanesulfonic acid	355-46-4	< 1.8	1.8	0.45	1
14070	Perfluorohexanoic acid	307-24-4	< 1.8	1.8	0.45	1
14070	Perfluorononanoic acid	375-95-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanesulfonic acid	1763-23-1	< 1.8	1.8	0.45	1
14070	Perfluorooctanoic acid	335-67-1	< 1.8	1.8	0.45	1
14070	Perfluorotetradecanoic acid	376-06-7	< 1.8	1.8	0.45	1
14070	Perfluorotridecanoic acid	72629-94-8	< 1.8	1.8	0.45	1
14070	Perfluoroundecanoic acid	2058-94-8	< 1.8	1.8	0.45	1

Sample Comments

PA DEP Lab Certification ID 36-00037, Expiration Date: 01/31/2021.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
14070	14 PFAS in Drinking Water	EPA 537 Version 1.1	1	20122003	05/04/2020 21:48	Mark Collare	1
14381	DW PFAS Prep	EPA 537 Version 1.1	1	20122003	05/01/2020 07:00	Toby Barnhart	1

*=This limit was used in the evaluation of the final result

Quality Control Summary

Client Name: Suez Water Pennsylvania
Reported: 05/06/2020 14:24

Group Number: 2097465

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 was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result ng/l	LOQ** ng/l	MDL ng/l
Batch number: 20118001	Sample number(s): 1304852,1304854,1304856,1304858,1304860,1304862,1304864,1304866,1304868,1304870,1304872,1304874		
NEtFOSAA	< 2.0	2.0	0.50
NMeFOSAA	< 2.0	2.0	0.50
Perfluorobutanesulfonic acid	< 2.0	2.0	0.50
Perfluorodecanoic acid	< 2.0	2.0	0.50
Perfluorododecanoic acid	< 2.0	2.0	0.50
Perfluoroheptanoic acid	< 2.0	2.0	0.50
Perfluorohexanesulfonic acid	< 2.0	2.0	0.50
Perfluorohexanoic acid	< 2.0	2.0	0.50
Perfluorononanoic acid	< 2.0	2.0	0.50
Perfluorooctanesulfonic acid	< 2.0	2.0	0.50
Perfluorooctanoic acid	< 2.0	2.0	0.50
Perfluorotetradecanoic acid	< 2.0	2.0	0.50
Perfluorotridecanoic acid	< 2.0	2.0	0.50
Perfluoroundecanoic acid	< 2.0	2.0	0.50
Batch number: 20122003	Sample number(s): 1304853,1304855,1304857,1304859,1304861,1304863,1304865,1304867,1304869,1304871,1304873,1304875		
NEtFOSAA	< 2.0	2.0	0.50
NMeFOSAA	< 2.0	2.0	0.50
Perfluorobutanesulfonic acid	< 2.0	2.0	0.50
Perfluorodecanoic acid	< 2.0	2.0	0.50
Perfluorododecanoic acid	< 2.0	2.0	0.50
Perfluoroheptanoic acid	< 2.0	2.0	0.50
Perfluorohexanesulfonic acid	< 2.0	2.0	0.50
Perfluorohexanoic acid	< 2.0	2.0	0.50
Perfluorononanoic acid	< 2.0	2.0	0.50
Perfluorooctanesulfonic acid	< 2.0	2.0	0.50
Perfluorooctanoic acid	< 2.0	2.0	0.50
Perfluorotetradecanoic acid	< 2.0	2.0	0.50
Perfluorotridecanoic acid	< 2.0	2.0	0.50
Perfluoroundecanoic acid	< 2.0	2.0	0.50

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Suez Water Pennsylvania
Reported: 05/06/2020 14:24

Group Number: 2097465

LCS/LCSD

Analysis Name	LCS Spike Added ng/l	LCS Conc ng/l	LCSD Spike Added ng/l	LCSD Conc ng/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 20118001									
Sample number(s): 1304852,1304854,1304856,1304858,1304860,1304862,1304864,1304866,1304868,1304870,1304872,1304874									
NEtFOSAA	3.84	3.83	3.84	3.66	100	95	50-150	5	30
NMeFOSAA	3.84	3.95	3.84	3.68	103	96	50-150	7	30
Perfluorobutanesulfonic acid	3.40	3.00	3.40	3.21	88	94	50-150	7	30
Perfluorodecanoic acid	3.84	3.64	3.84	3.65	95	95	50-150	0	30
Perfluorododecanoic acid	3.84	3.33	3.84	3.31	87	86	50-150	1	30
Perfluoroheptanoic acid	3.84	3.86	3.84	3.92	101	102	50-150	1	30
Perfluorohexanesulfonic acid	3.50	3.46	3.50	3.37	99	96	50-150	2	30
Perfluorohexanoic acid	3.84	4.14	3.84	3.93	108	102	50-150	5	30
Perfluorononanoic acid	3.84	3.47	3.84	3.76	90	98	50-150	8	30
Perfluorooctanesulfonic acid	3.55	3.64	3.55	3.71	102	105	50-150	2	30
Perfluorooctanoic acid	3.84	3.88	3.84	3.88	101	101	50-150	0	30
Perfluorotetradecanoic acid	3.84	3.37	3.84	3.41	88	89	50-150	1	30
Perfluorotridecanoic acid	3.84	3.57	3.84	3.54	93	92	50-150	1	30
Perfluoroundecanoic acid	3.84	3.49	3.84	3.38	91	88	50-150	3	30
Batch number: 20122003									
Sample number(s): 1304853,1304855,1304857,1304859,1304861,1304863,1304865,1304867,1304869,1304871,1304873,1304875									
NEtFOSAA	80	78.27	80	78.54	98	98	70-130	0	30
NMeFOSAA	80	73.6	80	74.3	92	93	70-130	1	30
Perfluorobutanesulfonic acid	70.8	75.59	70.8	71.63	107	101	70-130	5	30
Perfluorodecanoic acid	80	80.55	80	79.38	101	99	70-130	1	30
Perfluorododecanoic acid	80	90.1	80	86.21	113	108	70-130	4	30
Perfluoroheptanoic acid	80	77.04	80	81.11	96	101	70-130	5	30
Perfluorohexanesulfonic acid	72.96	70.42	72.96	69.28	97	95	70-130	2	30
Perfluorohexanoic acid	80	77.75	80	77.09	97	96	70-130	1	30
Perfluorononanoic acid	80	78.45	80	76.44	98	96	70-130	3	30
Perfluorooctanesulfonic acid	74.04	69.87	74.04	70.45	94	95	70-130	1	30
Perfluorooctanoic acid	80	80.1	80	79.22	100	99	70-130	1	30
Perfluorotetradecanoic acid	80	80.44	80	78.79	101	98	70-130	2	30
Perfluorotridecanoic acid	80	82.3	80	83.56	103	104	70-130	2	30
Perfluoroundecanoic acid	80	80.65	80	81.67	101	102	70-130	1	30

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Suez Water Pennsylvania
Reported: 05/06/2020 14:24

Group Number: 2097465

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 14 PFAS in Drinking Water
Batch number: 20118001

	13C2-PFHxA	13C2-PFDA	D5-NetFOSAA
1304852	115	110	104
1304854	118	109	103
1304856	114	107	104
1304858	116	103	105
1304860	111	105	107
1304862	114	110	104
1304864	101	89	98
1304866	116	104	112
1304868	116	108	105
1304870	120	114	110
1304872	112	105	102
1304874	115	104	100
Blank	100	95	98
LCS	108	102	99
LCSD	111	103	105
Limits:	70-130	70-130	70-130

Analysis Name: 14 PFAS in Drinking Water
Batch number: 20122003

	13C2-PFHxA	13C2-PFDA	D5-NetFOSAA
1304853	97	106	97
1304855	98	106	98
1304857	97	106	101
1304859	96	107	102
1304861	96	99	101
1304863	99	103	100
1304865	95	107	100
1304867	91	95	98
1304869	93	99	100
1304871	91	94	102
1304873	91	101	103
1304875	94	98	102
Blank	97	101	102
LCS	103	106	99
LCSD	99	108	95
Limits:	70-130	70-130	70-130

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



Group Number(s):

Client: Suez Water PA

Newberry System

20974685

Delivery and Receipt Information

Delivery Method: ELLE Courier Arrival Date: 04/24/2020
 Number of Packages: 2 Number of Projects: 1
 State/Province of Origin: PA

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	Total Trip Blank Qty:	0
Samples Chilled:	Yes	Air Quality Samples Present:	No
Paperwork Enclosed:	Yes		
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by *William Mathers*

Samples Chilled Details: Newberry System

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Matrix	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	Water	DT146	0.8	DT	Wet	Y	Bagged	N
2	Water	DT146	0.3	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	mL	milliliter(s)
C	degrees Celsius	MPN	Most Probable Number
cfu	colony forming units	N.D.	non-detect
CP Units	cobalt-chloroplatinate units	ng	nanogram(s)
F	degrees Fahrenheit	NTU	nephelometric turbidity units
g	gram(s)	pg/L	picogram/liter
IU	International Units	RL	Reporting Limit
kg	kilogram(s)	TNTC	Too Numerous To Count
L	liter(s)	µg	microgram(s)
lb.	pound(s)	µL	microliter(s)
m3	cubic meter(s)	umhos/cm	micromhos/cm
meq	milliequivalents	MCL	Maximum Contamination Limit
mg	milligram(s)		
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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

Tests 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.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is less than the LOQ
K2	Continuing Calibration Blank is above the QC limit and the sample result is less than the LOQ
K3	Initial Calibration Verification is above the QC limit and the sample result is less than the LOQ
K4	Continuing Calibration Verification is above the QC limit and the sample result is less than the LOQ
J (or G, I, X)	Estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
P^	Concentration difference between the primary and confirmation column $> 40\%$. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report
B	Detection in the Method Blank
Q0	LCS/LCSD Low
Q1	LCS/LCSD High
Q2	MS/MSD Low
Q3	MS/MSD High
Q7	LCS/LCSD RPD
Q8	DUP RPD
Q9	MS/MSD RPD

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.