

For the purposes of interpreting the test values shown in the following laboratory results, please see the example below:

For example, in the test results for the sample taken from the Butter Hill WFP Entry Point on 9/27/18 and reported on 10/9/2018 (which results were subsequently provided by NYSDOH to the Town, in writing, on 4/4/19), the reported value of <2.00 ng/l for PFOA means the lab was able to test for this substance down to that level and found no traces of PFOA in this sample of the water.



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Town of New Windsor Attorney's Office

ANALYTICAL REPORT

Lab Number: L1914227
Client: Envirotec Laboratories Inc.
315 Fullerton Avenue
Newburgh, NY 12550
ATTN: Meredith Ruthven
Phone: (845) 562-0890
Project Name: TOWN OF NEW WINDSOR WATER SYS.
Project Number: 42001045
Report Date: 04/17/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Project Name: TOWN OF NEW WINDSOR WATER SYS.
Project Number: 42001045

Lab Number: L1914227

Report Date: 04/17/19

SAMPLE RESULTS

Lab ID: L1914227-02
Client ID: PW #1 (420-151993-2)
Sample Location: Not Specified

Date Collected: 04/07/19 09:05
Date Received: 04/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Dw
Analytical Method: 122,537
Analytical Date: 04/15/19 06:25
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 04/11/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	2.38		ng/l	1.90	1.22	1
Perfluorohexanoic Acid (PFHxA)	1.44	J	ng/l	1.90	0.536	1
Perfluoroheptanoic Acid (PFHpA)	0.620	J	ng/l	1.90	0.548	1
Perfluorohexanesulfonic Acid (PFHxS)	2.58		ng/l	1.90	1.55	1
Perfluorooctanoic Acid (PFOA)	2.25		ng/l	1.90	1.06	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.90	0.574	1
Perfluorooctanesulfonic Acid (PFOS)	3.68		ng/l	1.90	1.25	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.90	0.817	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.90	0.604	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.90	0.920	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.90	0.566	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.90	1.06	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.90	0.760	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.90	0.601	1
PFOA/PFOS, Total	5.93		ng/l	1.90	1.06	1
PFAS, Total (5)	9.13	J	ng/l	1.90	0.548	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	115		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	135	Q	70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	102		70-130



Project Name: TOWN OF NEW WINDSOR WATER SYS.
 Project Number: 42001045

Lab Number: L1914227
 Report Date: 04/17/19

SAMPLE RESULTS

Lab ID: L1914227-01
 Client ID: PW #2 (420-151993-1)
 Sample Location: Not Specified

Date Collected: 04/07/19 08:55
 Date Received: 04/09/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Dw
 Analytical Method: 122,537
 Analytical Date: 04/14/19 17:43
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 04/11/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	1.56	J	ng/l	1.91	1.22	1
Perfluorohexanoic Acid (PFHxA)	2.59		ng/l	1.91	0.538	1
Perfluoroheptanoic Acid (PFHpA)	1.77	J	ng/l	1.91	0.550	1
Perfluorohexanesulfonic Acid (PFHxS)	3.83		ng/l	1.91	1.56	1
Perfluorooctanoic Acid (PFOA)	3.63		ng/l	1.91	1.07	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.91	0.576	1
Perfluorooctanesulfonic Acid (PFOS)	1.85	J	ng/l	1.91	1.25	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.91	0.821	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.91	0.607	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.91	0.924	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.02	J	ng/l	1.91	0.569	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.91	1.07	1
Perfluorotridecanoic Acid (PFTTrDA)	ND		ng/l	1.91	0.763	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.91	0.603	1
PFOA/PFOS, Total	5.48	J	ng/l	1.91	1.07	1
PFAS, Total (5)	11.1	J	ng/l	1.91	0.550	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	118		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	80		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		70-130



Project Name: TOWN OF NEW WINDSOR WATER SYS.
 Project Number: 42001045

Lab Number: L1914227
 Report Date: 04/17/19

SAMPLE RESULTS

Lab ID: L1914227-03
 Client ID: PW #3 (420-151993-3)
 Sample Location: Not Specified

Date Collected: 04/07/19 09:15
 Date Received: 04/09/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Dw
 Analytical Method: 122,537
 Analytical Date: 04/14/19 18:16
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 04/11/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	1.18	1
Perfluorohexanoic Acid (PFHxA)	2.28		ng/l	1.84	0.520	1
Perfluoroheptanoic Acid (PFHpA)	1.54	J	ng/l	1.84	0.531	1
Perfluorohexanesulfonic Acid (PFHxS)	2.84		ng/l	1.84	1.50	1
Perfluorooctanoic Acid (PFOA)	3.52		ng/l	1.84	1.03	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.557	1
Perfluorooctanesulfonic Acid (PFOS)	4.00		ng/l	1.84	1.21	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.793	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.587	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.893	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.10	J	ng/l	1.84	0.550	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	1.03	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.738	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.583	1
PFOA/PFOS, Total	7.52		ng/l	1.84	1.03	1
PFAS, Total (5)	11.9	J	ng/l	1.84	0.531	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	103		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	96		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	85		70-130



Project Name: TOWN OF NEW WINDSOR WATER SYS.

Lab Number: L1914227

Project Number: 42001045

Report Date: 04/17/19

SAMPLE RESULTS

Lab ID: L1914227-04
Client ID: POE (420-151993-4)
Sample Location: Not Specified

Date Collected: 04/07/19 09:30
Date Received: 04/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Dw
Analytical Method: 122,537
Analytical Date: 04/14/19 18:33
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 04/11/19 15:45

Table with 7 columns: Parameter, Result, Qualifier, Units, RL, MDL, Dilution Factor. Rows include various Perfluorinated Alkyl Acids (PFBS, PFHxA, PFHpA, PFHxS, PFOA, PFNA, PFOS, PFDA, N-Methyl Perfluorooctanesulfonamidoacetic Acid, etc.)

Table with 4 columns: Surrogate, % Recovery, Qualifier, Acceptance Criteria. Rows include Perfluoro-n-[1,2-13C2]hexanoic Acid, Perfluoro-n-[1,2-13C2]decanoic Acid, and N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid.



Project Name: TOWN OF NEW WINDSOR WATER SYS.
Project Number: 42001045

Lab Number: L1914227

Report Date: 04/17/19

SAMPLE RESULTS

Lab ID: L1914227-06
Client ID: MOODNA CREEK (420-151993-6)
Sample Location: Not Specified

Date Collected: 04/07/19 09:40
Date Received: 04/09/19
Field Prep: Not Specified

Sample Depth:
Matrix: Dw
Analytical Method: 122,537
Analytical Date: 04/14/19 19:06
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 04/11/19 15:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.92	1.23	1
Perfluorohexanoic Acid (PFHxA)	2.59		ng/l	1.92	0.540	1
Perfluoroheptanoic Acid (PFHpA)	1.49	J	ng/l	1.92	0.552	1
Perfluorohexanesulfonic Acid (PFHxS)	2.73		ng/l	1.92	1.56	1
Perfluorooctanoic Acid (PFOA)	4.09		ng/l	1.92	1.07	1
Perfluorononanoic Acid (PFNA)	0.648	J	ng/l	1.92	0.578	1
Perfluorooctanesulfonic Acid (PFOS)	6.54		ng/l	1.92	1.26	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.92	0.824	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.609	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.927	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.667	J	ng/l	1.92	0.571	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	1.07	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.766	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.605	1
PFOA/PFOS, Total	10.6		ng/l	1.92	1.07	1
PFAS, Total (5)	15.5	J	ng/l	1.92	0.552	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	92		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	104		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	111		70-130



Project Name: TOWN OF NEW WINDSOR WATER SYS.
 Project Number: 42001045

Lab Number: L1914543
 Report Date: 04/17/19

SAMPLE RESULTS

Lab ID: L1914543-02
 Client ID: RILEY RD FP (420-152054-2)
 Sample Location: Not Specified

Date Collected: 04/09/19 10:40
 Date Received: 04/10/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Dw
 Analytical Method: 122,537
 Analytical Date: 04/17/19 11:56
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 04/16/19 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.89	1.21	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.89	0.532	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.89	0.543	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.89	1.54	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.89	1.06	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.89	0.570	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.89	1.24	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.89	0.811	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.600	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.913	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.562	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	1.06	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.755	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.596	1
PFOA/PFOS, Total	ND		ng/l	1.89	1.06	1
PFAS, Total (5)	ND		ng/l	1.89	0.543	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	96		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	112		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97		70-130



Project Name: TOWN OF NEW WINDSOR WATER SYS.
 Project Number: 42001045

Lab Number: L1914543
 Report Date: 04/17/19

SAMPLE RESULTS

Lab ID: L1914543-01
 Client ID: STEWART FIELD (420-152054-1)
 Sample Location: Not Specified

Date Collected: 04/09/19 10:00
 Date Received: 04/10/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Dw
 Analytical Method: 122,537
 Analytical Date: 04/15/19 12:03
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 04/12/19 17:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 537 - Mansfield Lab						
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.89	1.21	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.89	0.532	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.89	0.543	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.89	1.54	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.89	1.06	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.89	0.570	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.89	1.24	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.89	0.811	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.600	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.913	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.562	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	1.06	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.755	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.596	1
PFOA/PFOS, Total	ND		ng/l	1.89	1.06	1
PFAS, Total (5)	ND		ng/l	1.89	0.543	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C-PFHxA)	87		70-130
Perfluoro-n-[1,2-13C2]decanoic Acid (13C-PFDA)	100		70-130
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		70-130

