



August 21, 2025

Mr. Stephen A. Bedetti, Supervisor
Town of New Windsor
555 Union Avenue
New Windsor, New York 12553

Re: New Windsor Public Water Supply Well Sample Results
Kroll Well, New Windsor (T), Orange County

Dear Supervisor Stephen A. Bedetti:

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of analytical results derived from the July 28, 2025 sampling of the granular activated carbon (GAC) water treatment system by DEC representatives that was installed on the Town of New Windsor (Town) Kroll Well located at 354 Mount Airy Road.

No PFOS or PFOA was detected in the Kroll Well GAC-treated water. The NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

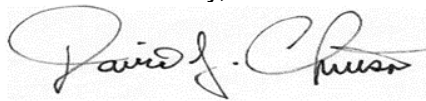
Specifically, the samples were analyzed for a total of twenty-five per- and polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). Data received for the 25 PFAS list analysis has been attached. During this event, sampling for the 25 PFAS list was conducted at 9 locations:

- pre-treatment (raw untreated water), which has a “INFLUENT” identifier in the Client Sample ID;
- 25 % treatment – lead tank (A-25 identifier);
- 50 % treatment – lead tank (A-50 identifier);
- 75 % treatment – lead tank (A-75 identifier);
- mid-treatment (after the first GAC canister and prior to the second GAC canister), which has a “MID POINT” identifier in the Client Sample ID;
- 25 % treatment – lag tank (B-25 identifier);
- 50 % treatment – lag tank (B-50 identifier);
- 75 % treatment – lag tank (B-75 identifier); and
- post-treatment (after the entire treatment system), which has a “EFFLUENT” identifier in the Client Sample ID.

The 9 locations sampled (and their associated identifiers) are depicted in Figure 1. Please note that the next sampling event will be scheduled around October 2025.

If you have any technical questions regarding the analytical results or on the operation and performance of the GAC treatment system, please feel free to contact me or Meghan Miller, EA Science and Technology (DEC's Project Engineer) at (315) 565-6557 or mmiller@eaest.com. For questions regarding site-related health concerns, please contact Steve Gagnon of the Orange County DOH at (845) 291-2331 or Steve Gladding of the NYSDOH Bureau of Water Supply Protection at (518) 402-7688.

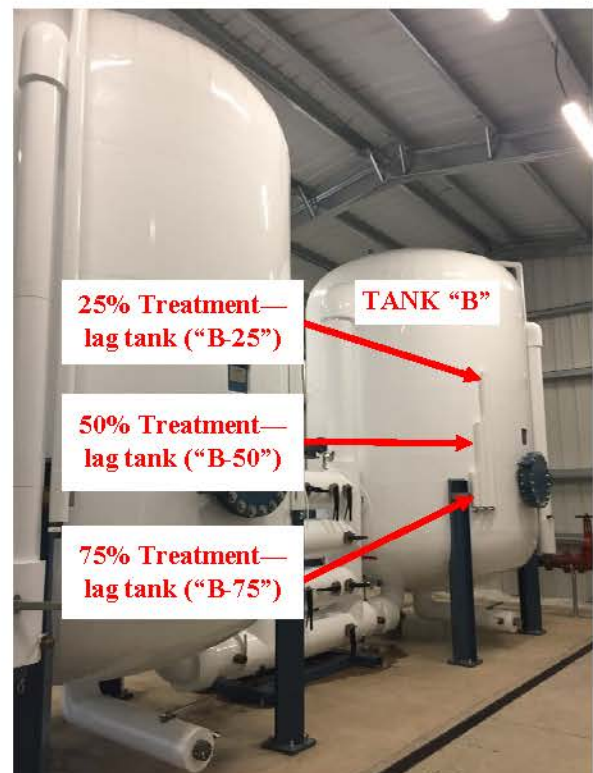
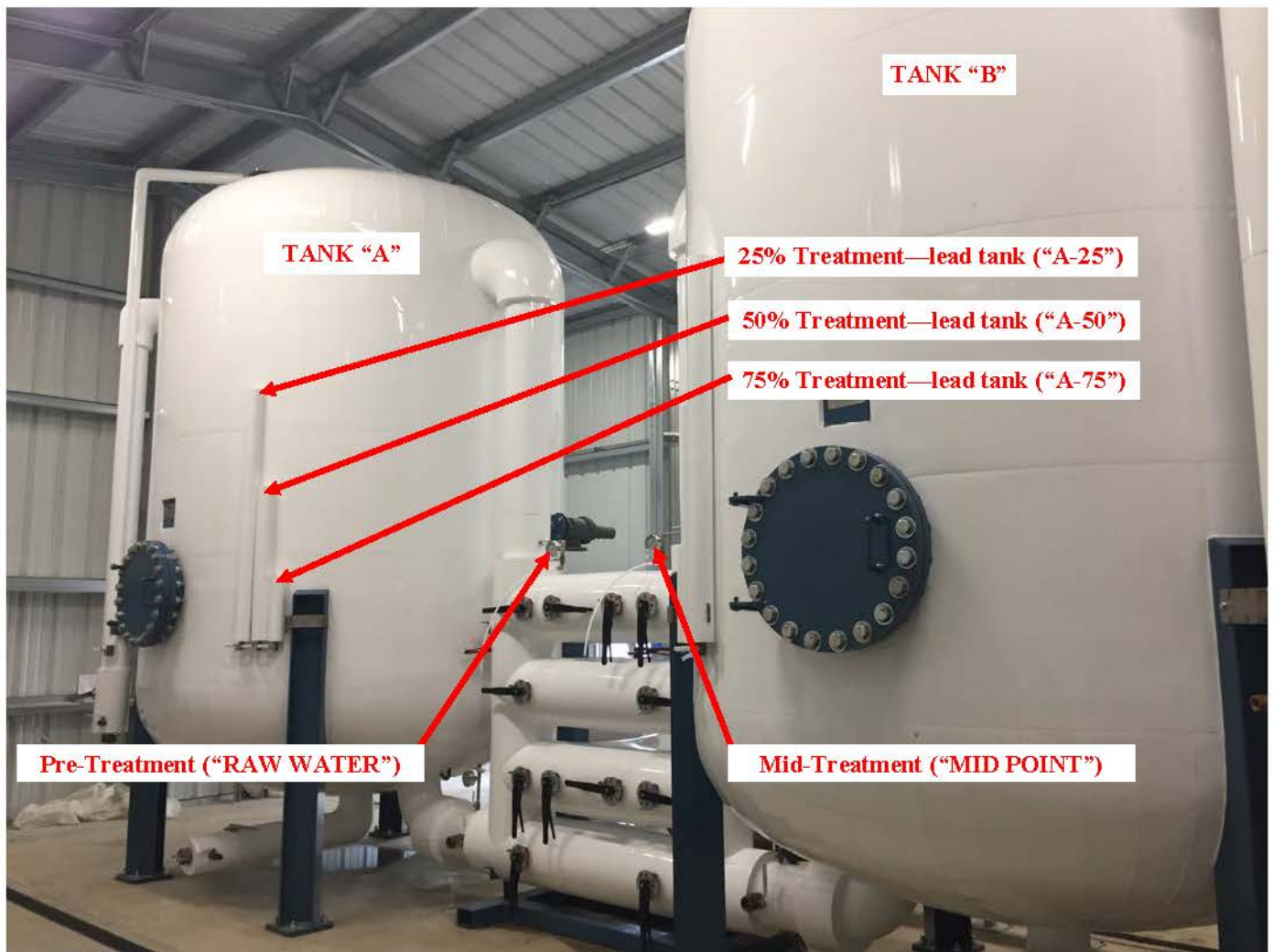
Sincerely,

A handwritten signature in black ink, appearing to read "David J. Chiusano".

David J. Chiusano
Project Director
Office of the Director
Division of Environmental Remediation

Enclosures

ec: w/enclosures
D. Zagon, Town of New Windsor
J. Marina, Town of New Windsor
J. Egitto, Town of New Windsor
K. Rea, Town of New Windsor
J. Conrad, PVE LLC
C. Brown, PVE LLC
M. Weeks, MHE
K. Wheeler, NYSDOH
S. Gagnon, OCDOH
M. Andersen, OCDOH
M. Miller, EA Engineering
M. Miller, EAR
I. Hoffman, EAR
D. Pollack, Region 3 DER
M. Haggerty, DER
J. Starr, DER



**Figure 1—Kroll Well GAC Treatment System
Sampling Locations**

Town of New Windsor

Kroll Well GAC Operation and Maintenance PFOA and PFOS Sampling Results ** (Parts Per Trillion (PPT))

(Last updated: August 2025)

Date	Analyte	Result ¹ Raw Water	Result A25	Result ² A50	Result A75	Result Mid-Point	Result B25	Result B50	Result B75	Treated Effluent	USEPA Drinking Water Health Advisory Guidance Value	Proposed NYS MCLs
September 2019 (Based on 21 PFAS Analysis Data only)	PFOA	8.4	ND	6.1	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	14	ND	7.8	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
October 2019 (Based on 21 PFAS Analysis Data only)	PFOA	7.9	6.5	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	13	8.7	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
November 2019 (Based on 21 PFAS Analysis Data only)	PFOA	12	10	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	10	8.4	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
December 2019 (Based on 21 PFAS Analysis Data only)	PFOA	12	10	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	10	8.7	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
January 2020 (Based on 21 PFAS Analysis Data only)	PFOA	11	10	2.2	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	10	8.7	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
February 2020 (Based on 21 PFAS Analysis Data only)	PFOA	11	9.9	3.3	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	9.7	8.4	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵

Notes:

** 21 PFAS List Analysis.

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. MCL (Maximum Contaminant Level, mg/l) is the maximum permissible level of a contaminant in water delivered by a public water system.
4. Guidance: USEPA Drinking Water Health Advisory guidance value is currently 70 ppt.
5. The proposed NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

Town of New Windsor

Kroll Well GAC Operation and Maintenance PFOA and PFOS Sampling Results ** (Parts Per Trillion (PPT)) Continued

(Last updated: August 2025)

Date	Analyte	Result ¹ Raw Water	Result A25	Result ² A50	Result A75	Result Mid-Point	Result B25	Result B50	Result B75	Treated Effluent	USEPA Drinking Water Health Advisory Guidance Value	NYS MCLs
March 2020 (Based on 21 PFAS Analysis Data only)	PFOA	9.3	9.2	4.2	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	9.6	11	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
April 2020 (Based on 21 PFAS Analysis Data only)	PFOA	8.7	8.4	4.3	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	8.9	7.7	1.9	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
May 2020 (Based on 21 PFAS Analysis Data only)	PFOA	ND	7.9	4.8	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	11.0	7.7	2.0	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
August 2020 (Based on 21 PFAS Analysis Data only)	PFOA	9.4	9.2	6.8	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	11.0	11.0	4.5	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	GAC CHANGE COMPLETED BY NYSDEC IN NOVEMBER 2020											
February 2021 (Based on 21 PFAS Analysis Data only)	PFOA	7.5	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	6.7	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
May 2021 (Based on 21 PFAS Analysis Data only)	PFOA	9.1	5.7	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	7.4	2.6	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵

Notes:

** 21 PFAS List Analysis.

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. MCL (Maximum Contaminant Level, mg/l) is the maximum permissible level of a contaminant in water delivered by a public water system.
4. Guidance: USEPA Drinking Water Health Advisory guidance value is 70 ppt.
5. Effective August 2020 the NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

Town of New Windsor

Kroll Well GAC Operation and Maintenance PFOA and PFOS Sampling Results * (Parts Per Trillion (PPT)) Continued**

(Last updated: August 2025)

Date	Analyte	Result ¹ Raw Water	Result A25	Result ² A50	Result A75	Result Mid-Point	Result B25	Result B50	Result B75	Treated Effluent	USEPA Drinking Water Health Advisory Guidance Value	NYS MCLs
August 2021** (Based on 21 PFAS Analysis Data only)	PFOA	7.0	4.9	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	8.0	4.3	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
November 2021*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	7.6	6.4	3.6	0.72	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	9.4	6.1	1.8	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
March 2022*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	7.6	6.1	4.1	0.92	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	9.5	4.5	1.6	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
May 2022*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	7.4	7.9	4.6	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	7.3	3.9	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
August 2022*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	6.1	ND	4.8	2.1	ND	ND	ND	6.6	ND	70 ⁴	10 ⁵
	PFOS	7.9	ND	ND	ND	ND	ND	ND	3.1	ND	70 ⁴	10 ⁵
	GAC CHANGE COMPLETED BY NYSDEC IN NOVEMBER-DECEMBER 2022											
February 2023*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	17.0	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	12.0	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵

Notes:

** 21 PFAS List Analysis

*** 25 PFAS List Analysis Via USEPA Method 533

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. MCL (Maximum Contaminant Level, mg/l) is the maximum permissible level of a contaminant in water delivered by a public water system.
4. Guidance: USEPA Drinking Water Health Advisory guidance value is 70 ppt.
5. Effective August 2020 the NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

Town of New Windsor

Kroll Well GAC Operation and Maintenance PFOA and PFOS Sampling Results *** (Parts Per Trillion (PPT)) Continued

(Last updated: August 2025)

Date	Analyte	Result ¹ Raw Water	Result A25	Result ² A50	Result A75	Result Mid-Point	Result B25	Result B50	Result B75	Treated Effluent	USEPA Drinking Water Health Advisory Guidance Value	NYS MCLs
July 2023*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	8.4	2.7	1.2	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	7.0	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
August 2023*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	11.0	5.8	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	11.0	1.3	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
November 2023*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	6.4	5.3	1.6	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	8.7	2.1	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
February 2024*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	8.5	6.5	3.9	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	11.0	3.5	0.57	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
May 2024*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	8.1	7.9	4.6	1.0	0.63	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	9.5	4.6	1.1	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	GAC CHANGE COMPLETED BY NYSDEC IN OCTOBER-NOVEMBER 2024											
January 2025*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	7.7	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	8.1	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵

Notes:

** 21 PFAS List Analysis

*** 25 PFAS List Analysis Via USEPA Method 533

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. MCL (Maximum Contaminant Level, mg/l) is the maximum permissible level of a contaminant in water delivered by a public water system.
4. Guidance: USEPA Drinking Water Health Advisory guidance value is 70 ppt.
5. Effective August 2020 the NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

Town of New Windsor

Kroll Well GAC Operation and Maintenance PFOA and PFOS Sampling Results *** (Parts Per Trillion (PPT)) Continued

(Last updated: August 2025)

Date	Analyte	Result ¹ Raw Water	Result A25	Result ² A50	Result A75	Result Mid-Point	Result B25	Result B50	Result B75	Treated Effluent	USEPA Drinking Water Health Advisory Guidance Value	NYS MCLs
April 2025*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	15	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	11	ND	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
August 2025*** (Based on 25 PFAS Analysis Data (EPA Method 533))	PFOA	9.9	4.6	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	10.0	1.4	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵

Notes:

** 21 PFAS List Analysis

*** 25 PFAS List Analysis Via USEPA Method 533

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. MCL (Maximum Contaminant Level, mg/l) is the maximum permissible level of a contaminant in water delivered by a public water system.
4. Guidance: USEPA Drinking Water Health Advisory guidance value is 70 ppt.
5. Effective August 2020 the NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

How to Read Your Laboratory Reports

PFOA and PFOS Results:

- Analyte is the term used to describe what the laboratory was testing for, in this case PFOS and PFOA.
- Conc. (ng/l) is your result for PFOS and PFOA. In your case, no PFOS and PFOA were detected, thus ND or “non-detect” or <2.0 ng/l was reported. (ng/l = ppt)
- RL = reporting limit or RDL = reportable detection limit is the lowest level at which this specific testing protocol and laboratory has confidence in measuring the given analyte.
- Qualifiers are added information to help understand the quality of the data. Often, if something about the results or the calibration of the testing equipment was irregular, it would be reported here.

All other columns represent laboratory quality control information. The laboratory calibrates its equipment against a precise quantity of the chemical in order to ensure that the equipment is functioning properly. Some laboratory reports may not have all this information.

- Labeled Standard or Surrogate is the lab's specific name for an individual control sample.
- %R is the percent of the control sample that was detected by the equipment. A 100% reading represents perfect equipment alignment.
- LCL-UCL is the lower concentration limit (LCL) and upper concentration limit (UCL). The LCL represents the lowest acceptable %R value and the UCL represent the highest acceptable %R value required to ensure your result is accurate.
- Qualifiers: If a result quality control variance is noted or if the %R value of any of the control samples were outside the allowable range that would have been noted in this last column. This gives the analyst less confidence in the measured value.

The analysis for PFOS and PFOA is performed using modified EPA Method 537. The laboratory may report a detection of PFOS and PFOA down to approximately 2.0 nanograms per liter (ng/l) or parts per trillion (ppt).

Inorganic Results:

- Parameter is the same as “analyte” above – it is the chemical being tested.
- Result is the concentration of that chemical detected.
- RL/PQL is the lowest level at which the specific laboratory test can reliably quantify the concentration. Below that number, the result is considered unreliable.
- DIL is the number of times the sample was diluted (necessary because the test has a certain range that it is accurate for).
- Units: mg/l is milligrams per liter or parts per million; ug/l is micrograms per liter or parts per billion.
- DW MCL stands for drinking water (DW) and “maximum contaminant level” (MCL). All chemicals that have a “maximum contaminant level” (MCL) established for drinking water (DW) have a level reported in this column.
- Sec Goal is the EPA nomenclature for all contaminants that have regulatory levels set based on aesthetics (for example, taste or color). DOH recognizes these EPA secondary goals as primary standards and enforces its drinking water quality program accordingly.
- Date/Time represents the date and time of the analysis at the lab.
- By refers to the technician who ran the test.
- Reference indicates the EPA method used in the test.



August 15, 2025

David Chiusano
NYDEC_Environmental Assessment & Remediation
225 Atlantic Avenue
Patchogue, NY 11772

Project Location: 351 Mt, AIRYRD NEW WINDSON, NY
Client Job Number:
Project Number: 336089
Laboratory Work Order Number: 25G1943

Enclosed are results of analyses for samples as received by the laboratory on July 29, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kyle Murray". The signature is written in a cursive style with a horizontal line above it.

Kyle A. Murray
Project Manager

Table of Contents

Sample Summary	3
Case Narrative	4
Sample Results	5
25G1943-01	5
25G1943-02	6
25G1943-03	7
25G1943-04	8
25G1943-05	9
25G1943-06	10
25G1943-07	11
25G1943-08	12
25G1943-09	13
25G1943-10	14
Sample Preparation Information	15
QC Data	16
Semivolatile Organic Compounds by - LC/MS-MS	16
B410655	16
Flag/Qualifier Summary	20
Certifications	21
Chain of Custody/Sample Receipt	22



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC Environmental Assessment & Remediation

225 Atlantic Avenue

Patchogue, NY 11772

ATTN: David Chiusano

REPORT DATE: 8/15/2025

PURCHASE ORDER NUMBER: 151958

PROJECT NUMBER: 336089

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25G1943

The results of analyses performed on the following samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, are found in this report.

PROJECT LOCATION: 351 Mt, AIRYRD NEW WINDSON, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
INFLUENT	25G1943-01	Drinking Water		EPA 533	
EFFLUENT	25G1943-02	Drinking Water		EPA 533	
DUPLICATE	25G1943-03	Drinking Water		EPA 533	
MID	25G1943-04	Drinking Water		EPA 533	
A-25	25G1943-05	Drinking Water		EPA 533	
A-50	25G1943-06	Drinking Water		EPA 533	
A-75	25G1943-07	Drinking Water		EPA 533	
B-25	25G1943-08	Drinking Water		EPA 533	
B-50	25G1943-09	Drinking Water		EPA 533	
B-75	25G1943-10	Drinking Water		EPA 533	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Pace Analytical Services, LLC - East Longmeadow, Ma, for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink that reads "Meghan E. Kelley".

Meghan E. Kelley
Reporting Specialist



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: INFLUENT

Sampled: 7/28/2025 09:05

Sample ID: 25G1943-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorobutanesulfonic acid (PFBS)	6.0	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoropentanoic acid (PFPeA)	4.6	1.9	0.43		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorohexanoic acid (PFHxA)	4.6	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.92		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.37		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.75		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.35		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.8	1.9	0.44		ng/L	1	J	EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.53		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.54		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.8		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluoroheptanoic acid (PFHpA)	2.9	1.9	0.59		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorooctanoic acid (PFOA)	9.9	1.9	0.73		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorooctanesulfonic acid (PFOS)	10	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:21	QNW
Perfluorononanoic acid (PFNA)	0.95	1.9	0.71		ng/L	1	J	EPA 533	8/4/25	8/5/25 12:21	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	132	50-200	8/5/25 12:21
M2-8:2FTS	77.7	50-200	8/5/25 12:21
MPFBA	76.4	50-200	8/5/25 12:21
M3HFPO-DA	96.1	50-200	8/5/25 12:21
M6PFDA	63.5	50-200	8/5/25 12:21
M3PFBS	84.7	50-200	8/5/25 12:21
M7PFUnA	67.6	50-200	8/5/25 12:21
M2-6:2FTS	130	50-200	8/5/25 12:21
M5PFPeA	108	50-200	8/5/25 12:21
M5PFHxA	72.7	50-200	8/5/25 12:21
M3PFHxS	87.5	50-200	8/5/25 12:21
M4PFHpA	72.7	50-200	8/5/25 12:21
M8PFOA	71.0	50-200	8/5/25 12:21
M8PFOS	88.0	50-200	8/5/25 12:21
M9PFNA	68.8	50-200	8/5/25 12:21
MPFDoA	71.1	50-200	8/5/25 12:21



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: EFFLUENT

Sampled: 7/28/2025 08:20

Sample ID: 25G1943-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.41		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.46		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.89		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.36		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.60		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.73		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.56		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.60		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.34		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.43		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.51		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.7		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.56		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.71		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 12:28	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	86.8	50-200	8/5/25 12:28
M2-8:2FTS	92.7	50-200	8/5/25 12:28
MPFBA	65.2	50-200	8/5/25 12:28
M3HFPO-DA	81.1	50-200	8/5/25 12:28
M6PFDA	63.8	50-200	8/5/25 12:28
M3PFBS	88.7	50-200	8/5/25 12:28
M7PFUnA	69.9	50-200	8/5/25 12:28
M2-6:2FTS	99.0	50-200	8/5/25 12:28
M5PFPeA	65.3	50-200	8/5/25 12:28
M5PFHxA	65.6	50-200	8/5/25 12:28
M3PFHxS	90.1	50-200	8/5/25 12:28
M4PFHpA	66.4	50-200	8/5/25 12:28
M8PFOA	68.3	50-200	8/5/25 12:28
M8PFOS	85.1	50-200	8/5/25 12:28
M9PFNA	65.9	50-200	8/5/25 12:28
MPFDoA	71.6	50-200	8/5/25 12:28



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: DUPLICATE

Sampled: 7/28/2025 00:00

Sample ID: 25G1943-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.42		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.46		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.91		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.37		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.61		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.74		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.56		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.61		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.34		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.44		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.53		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.8		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.51		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.68		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.72		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.70		ng/L	1		EPA 533	8/4/25	8/5/25 12:35	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	86.1	50-200	8/5/25 12:35
M2-8:2FTS	95.1	50-200	8/5/25 12:35
MPFBA	70.3	50-200	8/5/25 12:35
M3HFPO-DA	78.3	50-200	8/5/25 12:35
M6PFDA	66.7	50-200	8/5/25 12:35
M3PFBS	90.9	50-200	8/5/25 12:35
M7PFUnA	74.8	50-200	8/5/25 12:35
M2-6:2FTS	99.4	50-200	8/5/25 12:35
M5PFPeA	68.6	50-200	8/5/25 12:35
M5PFHxA	65.2	50-200	8/5/25 12:35
M3PFHxS	93.8	50-200	8/5/25 12:35
M4PFHpA	63.2	50-200	8/5/25 12:35
M8PFOA	56.4	50-200	8/5/25 12:35
M8PFOS	92.9	50-200	8/5/25 12:35
M9PFNA	55.2	50-200	8/5/25 12:35
MPFDoA	76.6	50-200	8/5/25 12:35



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: MID

Sampled: 7/28/2025 08:45

Sample ID: 25G1943-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.0	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.43		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.92		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.38		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.75		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.35		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.45		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.53		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.54		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.8		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.59		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.73		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.71		ng/L	1		EPA 533	8/4/25	8/5/25 12:42	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	74.9	50-200	8/5/25 12:42
M2-8:2FTS	81.4	50-200	8/5/25 12:42
MPFBA	64.5	50-200	8/5/25 12:42
M3HFPO-DA	81.8	50-200	8/5/25 12:42
M6PFDA	54.9	50-200	8/5/25 12:42
M3PFBS	79.3	50-200	8/5/25 12:42
M7PFUnA	61.1	50-200	8/5/25 12:42
M2-6:2FTS	86.5	50-200	8/5/25 12:42
M5PFPeA	63.0	50-200	8/5/25 12:42
M5PFHxA	61.7	50-200	8/5/25 12:42
M3PFHxS	83.0	50-200	8/5/25 12:42
M4PFHpA	62.0	50-200	8/5/25 12:42
M8PFOA	58.1	50-200	8/5/25 12:42
M8PFOS	80.2	50-200	8/5/25 12:42
M9PFNA	53.8	50-200	8/5/25 12:42
MPFDoA	63.1	50-200	8/5/25 12:42



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: A-25

Sampled: 7/28/2025 08:50

Sample ID: 25G1943-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	1.9	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorobutanesulfonic acid (PFBS)	4.6	1.9	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoropentanoic acid (PFPeA)	4.6	1.9	0.41		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorohexanoic acid (PFHxA)	4.2	1.9	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.45		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.89		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.36		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.60		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.72		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.55		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.60		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.34		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorohexanesulfonic acid (PFHxS)	0.59	1.9	0.43		ng/L	1	J	EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.51		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.7		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.56		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluoroheptanoic acid (PFHpA)	2.1	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorooctanoic acid (PFOA)	4.6	1.9	0.71		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorooctanesulfonic acid (PFOS)	1.4	1.9	0.48		ng/L	1	J	EPA 533	8/4/25	8/5/25 12:49	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 12:49	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	113	50-200	8/5/25 12:49
M2-8:2FTS	99.2	50-200	8/5/25 12:49
MPFBA	90.8	50-200	8/5/25 12:49
M3HFPO-DA	97.8	50-200	8/5/25 12:49
M6PFDA	81.0	50-200	8/5/25 12:49
M3PFBS	96.7	50-200	8/5/25 12:49
M7PFUnA	83.1	50-200	8/5/25 12:49
M2-6:2FTS	111	50-200	8/5/25 12:49
M5PFPeA	104	50-200	8/5/25 12:49
M5PFHxA	87.9	50-200	8/5/25 12:49
M3PFHxS	101	50-200	8/5/25 12:49
M4PFHpA	85.7	50-200	8/5/25 12:49
M8PFOA	84.0	50-200	8/5/25 12:49
M8PFOS	97.8	50-200	8/5/25 12:49
M9PFNA	79.8	50-200	8/5/25 12:49
MPFDoA	83.1	50-200	8/5/25 12:49



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: A-50

Sample ID: 25G1943-06

Start Date/Time: 7/28/2025 8:50:00AM

Sample Matrix: Drinking Water

Stop Date/Time: 7/28/2025 8:55:00AM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL		DF	Flag/Qual	Method	Date	Date/Time	Analyst
				MA ORSG	Units				Prepared	Analyzed	
Perfluorobutanoic acid (PFBA)	5.7	1.8	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorobutanesulfonic acid (PFBS)	1.3	1.8	0.45		ng/L	1	J	EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoropentanoic acid (PFPeA)	5.0	1.8	0.40		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorohexanoic acid (PFHxA)	2.5	1.8	0.46		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.67		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.46		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.44		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.85		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.35		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.8	0.53		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.32		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.41		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.7		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.64		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.54		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.55		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8	0.68		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.66		ng/L	1		EPA 533	8/4/25	8/5/25 12:56	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	78.7	50-200	8/5/25 12:56
M2-8:2FTS	83.2	50-200	8/5/25 12:56
MPFBA	81.6	50-200	8/5/25 12:56
M3HFPO-DA	104	50-200	8/5/25 12:56
M6PFDA	76.0	50-200	8/5/25 12:56
M3PFBS	88.5	50-200	8/5/25 12:56
M7PFUnA	78.0	50-200	8/5/25 12:56
M2-6:2FTS	89.6	50-200	8/5/25 12:56
M5PFPeA	80.9	50-200	8/5/25 12:56
M5PFHxA	80.9	50-200	8/5/25 12:56
M3PFHxS	93.1	50-200	8/5/25 12:56
M4PFHpA	82.7	50-200	8/5/25 12:56
M8PFOA	80.5	50-200	8/5/25 12:56
M8PFOS	87.6	50-200	8/5/25 12:56
M9PFNA	76.5	50-200	8/5/25 12:56
MPFDoA	75.9	50-200	8/5/25 12:56



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: A-75

Sampled: 7/28/2025 09:00

Sample ID: 25G1943-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.1	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoropentanoic acid (PFPeA)	2.5	1.9	0.41		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.46		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.90		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.36		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.61		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.73		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.56		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.60		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.34		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.43		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.51		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.7		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.71		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 13:04	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	88.8	50-200	8/5/25 13:04
M2-8:2FTS	99.4	50-200	8/5/25 13:04
MPFBA	77.7	50-200	8/5/25 13:04
M3HFPO-DA	82.7	50-200	8/5/25 13:04
M6PFDA	64.6	50-200	8/5/25 13:04
M3PFBS	98.4	50-200	8/5/25 13:04
M7PFUnA	69.2	50-200	8/5/25 13:04
M2-6:2FTS	99.3	50-200	8/5/25 13:04
M5PFPeA	77.3	50-200	8/5/25 13:04
M5PFHxA	77.7	50-200	8/5/25 13:04
M3PFHxS	101	50-200	8/5/25 13:04
M4PFHpA	75.7	50-200	8/5/25 13:04
M8PFOA	72.9	50-200	8/5/25 13:04
M8PFOS	98.4	50-200	8/5/25 13:04
M9PFNA	65.6	50-200	8/5/25 13:04
MPFDoA	71.3	50-200	8/5/25 13:04



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: B-25

Sampled: 7/28/2025 08:30

Sample ID: 25G1943-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.51	2.0	0.51		ng/L	1	J	EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoropentanoic acid (PFPeA)	ND	2.0	0.43		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.73		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.51		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	0.94		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	0.38		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0	0.63		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.76		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.63		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	0.36		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.45		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.54		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.55		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	1.8		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.53		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.70		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.59		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.60		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorooctanoic acid (PFOA)	ND	2.0	0.74		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.51		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW
Perfluorononanoic acid (PFNA)	ND	2.0	0.72		ng/L	1		EPA 533	8/4/25	8/5/25 13:11	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	93.8	50-200	8/5/25 13:11
M2-8:2FTS	102	50-200	8/5/25 13:11
MPFBA	53.6	50-200	8/5/25 13:11
M3HFPO-DA	61.3	50-200	8/5/25 13:11
M6PFDA	72.0	50-200	8/5/25 13:11
M3PFBS	102	50-200	8/5/25 13:11
M7PFUnA	77.1	50-200	8/5/25 13:11
M2-6:2FTS	104	50-200	8/5/25 13:11
M5PFPeA	53.0	50-200	8/5/25 13:11
M5PFHxA	52.8	50-200	8/5/25 13:11
M3PFHxS	110	50-200	8/5/25 13:11
M4PFHpA	54.7	50-200	8/5/25 13:11
M8PFOA	57.5	50-200	8/5/25 13:11
M8PFOS	102	50-200	8/5/25 13:11
M9PFNA	63.7	50-200	8/5/25 13:11
MPFDoA	79.4	50-200	8/5/25 13:11



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: B-50

Sampled: 7/28/2025 08:35

Sample ID: 25G1943-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.48		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.42		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.92		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.37		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.74		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.35		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.44		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.53		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.8		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.59		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.73		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.71		ng/L	1		EPA 533	8/4/25	8/5/25 13:18	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	94.1	50-200	8/5/25 13:18
M2-8:2FTS	107	50-200	8/5/25 13:18
MPFBA	64.6	50-200	8/5/25 13:18
M3HFPO-DA	80.3	50-200	8/5/25 13:18
M6PFDA	76.9	50-200	8/5/25 13:18
M3PFBS	100	50-200	8/5/25 13:18
M7PFUnA	80.1	50-200	8/5/25 13:18
M2-6:2FTS	109	50-200	8/5/25 13:18
M5PFPeA	65.3	50-200	8/5/25 13:18
M5PFHxA	64.8	50-200	8/5/25 13:18
M3PFHxS	107	50-200	8/5/25 13:18
M4PFHpA	64.0	50-200	8/5/25 13:18
M8PFOA	64.4	50-200	8/5/25 13:18
M8PFOS	101	50-200	8/5/25 13:18
M9PFNA	69.1	50-200	8/5/25 13:18
MPFDoA	81.8	50-200	8/5/25 13:18



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 351 Mt, AIRYRD NEW WINDSO

Sample Description:

Work Order: 25G1943

Date Received: 7/29/2025

Field Sample #: B-75

Sampled: 7/28/2025 08:40

Sample ID: 25G1943-10

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.43		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.49		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.47		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.92		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.37		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.75		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.57		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.62		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.35		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.44		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.54		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.8		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.52		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.69		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.58		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.59		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.73		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.50		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.71		ng/L	1		EPA 533	8/4/25	8/5/25 13:25	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	87.9	50-200	8/5/25 13:25
M2-8:2FTS	101	50-200	8/5/25 13:25
MPFBA	65.7	50-200	8/5/25 13:25
M3HFPO-DA	77.8	50-200	8/5/25 13:25
M6PFDA	75.6	50-200	8/5/25 13:25
M3PFBS	96.3	50-200	8/5/25 13:25
M7PFUnA	78.7	50-200	8/5/25 13:25
M2-6:2FTS	98.3	50-200	8/5/25 13:25
M5PFPeA	65.5	50-200	8/5/25 13:25
M5PFHxA	65.7	50-200	8/5/25 13:25
M3PFHxS	101	50-200	8/5/25 13:25
M4PFHpA	63.9	50-200	8/5/25 13:25
M8PFOA	64.6	50-200	8/5/25 13:25
M8PFOS	94.9	50-200	8/5/25 13:25
M9PFNA	69.1	50-200	8/5/25 13:25
MPFDoA	78.3	50-200	8/5/25 13:25



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Sample Extraction Data**Prep Method: EPA 533-EPA 533**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25G1943-01 [INFLUENT]	B410655	257	1.00	08/04/25
25G1943-02 [EFFLUENT]	B410655	264	1.00	08/04/25
25G1943-03 [DUPLICATE]	B410655	261	1.00	08/04/25
25G1943-04 [MID]	B410655	256	1.00	08/04/25
25G1943-05 [A-25]	B410655	266	1.00	08/04/25
25G1943-06 [A-50]	B410655	277	1.00	08/04/25
25G1943-07 [A-75]	B410655	264	1.00	08/04/25
25G1943-08 [B-25]	B410655	252	1.00	08/04/25
25G1943-09 [B-50]	B410655	258	1.00	08/04/25
25G1943-10 [B-75]	B410655	257	1.00	08/04/25



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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B410655 - EPA 533

Blank (B410655-BLK1)

Prepared: 08/04/25 Analyzed: 08/05/25

Perfluorobutanoic acid (PFBA)	ND	1.9	0.48	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.47	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.41	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.48	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.69	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.48	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.45	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.89	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.36	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	0.60	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.72	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.9	0.55	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.60	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.34	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.43	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.51	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.52	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.7	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.50	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.56	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.57	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	0.70	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.48	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	0.68	ng/L							
Surrogate: M2-4:2FTS	27.4			ng/L	35.20		77.9	50-200			
Surrogate: M2-8:2FTS	26.8			ng/L	36.02		74.5	50-200			
Surrogate: MPFBA	25.1			ng/L	37.52		66.9	50-200			
Surrogate: M3HFPO-DA	38.5			ng/L	37.52		103	50-200			
Surrogate: M6PFDA	25.8			ng/L	37.52		68.7	50-200			
Surrogate: M3PFBS	25.7			ng/L	34.97		73.5	50-200			
Surrogate: M7PFUnA	25.8			ng/L	37.52		68.8	50-200			
Surrogate: M2-6:2FTS	29.6			ng/L	35.68		83.0	50-200			
Surrogate: M5PFPeA	25.2			ng/L	37.52		67.2	50-200			
Surrogate: M5PFHxA	26.3			ng/L	37.52		70.0	50-200			
Surrogate: M3PFHxS	26.7			ng/L	35.57		74.9	50-200			
Surrogate: M4PFHpA	26.3			ng/L	37.52		70.1	50-200			
Surrogate: M8PFOA	26.8			ng/L	37.52		71.4	50-200			
Surrogate: M8PFOS	25.7			ng/L	35.98		71.4	50-200			
Surrogate: M9PFNA	26.5			ng/L	37.52		70.6	50-200			
Surrogate: MPFDoA	25.0			ng/L	37.52		66.6	50-200			

LCS (B410655-BS1)

Prepared: 08/04/25 Analyzed: 08/05/25

Perfluorobutanoic acid (PFBA)	19.8	1.9	0.49	ng/L	18.93		105	70-130			
Perfluorobutanesulfonic acid (PFBS)	17.8	1.9	0.47	ng/L	18.93		94.2	70-130			
Perfluoropentanoic acid (PFPeA)	18.1	1.9	0.41	ng/L	18.93		95.4	70-130			
Perfluorohexanoic acid (PFHxA)	17.8	1.9	0.48	ng/L	18.93		94.1	70-130			
11Cl-PF3OUdS (F53B Major)	17.1	1.9	0.70	ng/L	18.93		90.4	70-130			

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B410655 - EPA 533

LCS (B410655-BS1)

Prepared: 08/04/25 Analyzed: 08/05/25

9Cl-PF3ONS (F53B Minor)	18.3	1.9	0.49	ng/L	18.93		96.6	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	17.4	1.9	0.46	ng/L	18.93		91.9	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	14.9	1.9	0.90	ng/L	18.93		78.4	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	19.0	1.9	0.36	ng/L	18.93		101	70-130			
Perfluorodecanoic acid (PFDA)	17.0	1.9	0.61	ng/L	18.93		89.9	70-130			
Perfluorododecanoic acid (PFDoA)	16.8	1.9	0.73	ng/L	18.93		89.0	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	19.1	1.9	0.56	ng/L	18.93		101	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	18.2	1.9	0.60	ng/L	18.93		96.2	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	19.0	1.9	0.34	ng/L	18.93		100	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.0	1.9	0.43	ng/L	18.93		95.3	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	18.7	1.9	0.51	ng/L	18.93		99.0	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.4	1.9	0.52	ng/L	18.93		108	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	17.9	1.9	1.7	ng/L	18.93		94.6	70-130			
Perfluoropentanesulfonic acid (PFPeS)	18.4	1.9	0.50	ng/L	18.93		97.0	70-130			
Perfluoroundecanoic acid (PFUnA)	17.4	1.9	0.67	ng/L	18.93		92.1	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	20.5	1.9	0.57	ng/L	18.93		108	70-130			
Perfluoroheptanoic acid (PFHpA)	17.6	1.9	0.57	ng/L	18.93		93.0	70-130			
Perfluorooctanoic acid (PFOA)	18.1	1.9	0.71	ng/L	18.93		95.5	70-130			
Perfluorooctanesulfonic acid (PFOS)	17.6	1.9	0.49	ng/L	18.93		93.0	70-130			
Perfluorononanoic acid (PFNA)	18.1	1.9	0.69	ng/L	18.93		95.6	70-130			
Surrogate: M2-4:2FTS	34.5			ng/L	35.52		97.1	50-200			
Surrogate: M2-8:2FTS	31.4			ng/L	36.35		86.5	50-200			
Surrogate: MPFBA	30.5			ng/L	37.86		80.7	50-200			
Surrogate: M3HFPO-DA	39.5			ng/L	37.86		104	50-200			
Surrogate: M6PFDA	31.2			ng/L	37.86		82.4	50-200			
Surrogate: M3PFBS	31.3			ng/L	35.29		88.7	50-200			
Surrogate: M7PFUnA	31.6			ng/L	37.86		83.6	50-200			
Surrogate: M2-6:2FTS	35.0			ng/L	36.01		97.2	50-200			
Surrogate: M5PFPeA	30.2			ng/L	37.86		79.8	50-200			
Surrogate: M5PFHxA	31.8			ng/L	37.86		84.0	50-200			
Surrogate: M3PFHxS	33.2			ng/L	35.90		92.5	50-200			
Surrogate: M4PFHpA	31.6			ng/L	37.86		83.4	50-200			
Surrogate: M8PFOA	31.3			ng/L	37.86		82.6	50-200			
Surrogate: M8PFOS	31.4			ng/L	36.31		86.5	50-200			
Surrogate: M9PFNA	31.5			ng/L	37.86		83.2	50-200			
Surrogate: MPFDoA	31.0			ng/L	37.86		81.8	50-200			

Matrix Spike (B410655-MS1)

Source: 25G1943-02

Prepared: 08/04/25 Analyzed: 08/05/25

Perfluorobutanoic acid (PFBA)	20.1	2.0	0.52	ng/L	20.15	ND	99.7	70-130			
Perfluorobutanesulfonic acid (PFBS)	17.4	2.0	0.50	ng/L	20.15	ND	86.4	70-130			
Perfluoropentanoic acid (PFPeA)	17.9	2.0	0.44	ng/L	20.15	ND	88.9	70-130			
Perfluorohexanoic acid (PFHxA)	17.8	2.0	0.51	ng/L	20.15	ND	88.2	70-130			
11Cl-PF3OUdS (F53B Major)	16.1	2.0	0.75	ng/L	20.15	ND	80.1	70-130			
9Cl-PF3ONS (F53B Minor)	17.1	2.0	0.52	ng/L	20.15	ND	85.1	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	17.5	2.0	0.49	ng/L	20.15	ND	87.1	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.4	2.0	0.95	ng/L	20.15	ND	76.3	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	18.9	2.0	0.39	ng/L	20.15	ND	93.7	70-130			



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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B410655 - EPA 533

Matrix Spike (B410655-MS1)	Source: 25G1943-02				Prepared: 08/04/25 Analyzed: 08/05/25						
Perfluorodecanoic acid (PFDA)	16.8	2.0	0.64	ng/L	20.15	ND	83.6	70-130			
Perfluorododecanoic acid (PFDoA)	16.6	2.0	0.77	ng/L	20.15	ND	82.2	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	18.4	2.0	0.59	ng/L	20.15	ND	91.2	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	17.0	2.0	0.64	ng/L	20.15	ND	84.6	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	18.4	2.0	0.36	ng/L	20.15	ND	91.6	70-130			
Perfluorohexanesulfonic acid (PFHxS)	18.1	2.0	0.46	ng/L	20.15	ND	89.9	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	19.2	2.0	0.54	ng/L	20.15	ND	95.4	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.4	2.0	0.55	ng/L	20.15	ND	101	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	17.5	2.0	1.8	ng/L	20.15	ND	86.9	70-130			
Perfluoropentanesulfonic acid (PFPeS)	18.4	2.0	0.54	ng/L	20.15	ND	91.3	70-130			
Perfluoroundecanoic acid (PFUnA)	16.7	2.0	0.72	ng/L	20.15	ND	83.0	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	20.7	2.0	0.60	ng/L	20.15	ND	103	70-130			
Perfluoroheptanoic acid (PFHpA)	17.3	2.0	0.61	ng/L	20.15	ND	85.9	70-130			
Perfluorooctanoic acid (PFOA)	16.7	2.0	0.76	ng/L	20.15	ND	82.7	70-130			
Perfluorooctanesulfonic acid (PFOS)	16.5	2.0	0.52	ng/L	20.15	ND	81.7	70-130			
Perfluorononanoic acid (PFNA)	18.1	2.0	0.73	ng/L	20.15	ND	89.7	70-130			
Surrogate: M2-4:2FTS	35.2			ng/L	37.80		93.2	50-200			
Surrogate: M2-8:2FTS	46.5			ng/L	38.68		120	50-200			
Surrogate: MPFBA	32.8			ng/L	40.29		81.3	50-200			
Surrogate: M3HFPO-DA	38.5			ng/L	40.29		95.5	50-200			
Surrogate: M6PFDA	26.6			ng/L	40.29		66.0	50-200			
Surrogate: M3PFBS	36.4			ng/L	37.55		96.8	50-200			
Surrogate: M7PFUnA	28.4			ng/L	40.29		70.6	50-200			
Surrogate: M2-6:2FTS	38.2			ng/L	38.32		99.6	50-200			
Surrogate: M5PFPeA	33.1			ng/L	40.29		82.3	50-200			
Surrogate: M5PFHxA	34.0			ng/L	40.29		84.4	50-200			
Surrogate: M3PFHxS	36.5			ng/L	38.20		95.5	50-200			
Surrogate: M4PFHpA	32.3			ng/L	40.29		80.1	50-200			
Surrogate: M8PFOA	29.0			ng/L	40.29		72.0	50-200			
Surrogate: M8PFOS	35.6			ng/L	38.64		92.0	50-200			
Surrogate: M9PFNA	26.7			ng/L	40.29		66.2	50-200			
Surrogate: MPFDoA	28.4			ng/L	40.29		70.4	50-200			

Matrix Spike Dup (B410655-MSD1)	Source: 25G1943-02				Prepared: 08/04/25 Analyzed: 08/05/25						
Perfluorobutanoic acid (PFBA)	18.4	1.9	0.50	ng/L	19.23	ND	95.4	70-130	9.04	30	
Perfluorobutanesulfonic acid (PFBS)	16.1	1.9	0.48	ng/L	19.23	ND	83.6	70-130	7.90	30	
Perfluoropentanoic acid (PFPeA)	17.0	1.9	0.42	ng/L	19.23	ND	88.5	70-130	5.09	30	
Perfluorohexanoic acid (PFHxA)	16.9	1.9	0.49	ng/L	19.23	ND	87.9	70-130	4.99	30	
11Cl-PF3OUdS (F53B Major)	15.4	1.9	0.71	ng/L	19.23	ND	80.3	70-130	4.42	30	
9Cl-PF3ONS (F53B Minor)	17.2	1.9	0.49	ng/L	19.23	ND	89.5	70-130	0.356	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	16.1	1.9	0.46	ng/L	19.23	ND	83.6	70-130	8.77	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	14.5	1.9	0.91	ng/L	19.23	ND	75.2	70-130	6.02	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	17.7	1.9	0.37	ng/L	19.23	ND	91.9	70-130	6.62	30	
Perfluorodecanoic acid (PFDA)	16.2	1.9	0.61	ng/L	19.23	ND	84.0	70-130	4.19	30	
Perfluorododecanoic acid (PFDoA)	16.0	1.9	0.74	ng/L	19.23	ND	83.0	70-130	3.63	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	16.9	1.9	0.57	ng/L	19.23	ND	88.0	70-130	8.25	30	
Perfluoroheptanesulfonic acid (PFHpS)	16.9	1.9	0.61	ng/L	19.23	ND	87.9	70-130	0.763	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	18.1	1.9	0.35	ng/L	19.23	ND	93.9	70-130	2.16	30	



Pace Analytical Services, LLC - East Longmeadow, Ma

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B410655 - EPA 533

Matrix Spike Dup (B410655-MSD1)

Source: 25G1943-02

Prepared: 08/04/25 Analyzed: 08/05/25

Perfluorohexanesulfonic acid (PFHxS)	16.8	1.9	0.44	ng/L	19.23	ND	87.2	70-130	7.66	30
Perfluoro-4-oxapentanoic acid (PFMPA)	17.8	1.9	0.52	ng/L	19.23	ND	92.6	70-130	7.59	30
Perfluoro-5-oxahexanoic acid (PFMBA)	19.4	1.9	0.53	ng/L	19.23	ND	101	70-130	5.35	30
6:2 Fluorotelomersulfonic acid (6:2FTS A)	15.9	1.9	1.8	ng/L	19.23	ND	82.9	70-130	9.41	30
Perfluoropentanesulfonic acid (PFPeS)	17.3	1.9	0.51	ng/L	19.23	ND	90.1	70-130	6.02	30
Perfluoroundecanoic acid (PFUnA)	16.6	1.9	0.68	ng/L	19.23	ND	86.1	70-130	0.974	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	19.2	1.9	0.57	ng/L	19.23	ND	100	70-130	7.32	30
Perfluoroheptanoic acid (PFHpA)	16.1	1.9	0.58	ng/L	19.23	ND	83.5	70-130	7.44	30
Perfluorooctanoic acid (PFOA)	16.8	1.9	0.72	ng/L	19.23	ND	87.2	70-130	0.645	30
Perfluorooctanesulfonic acid (PFOS)	16.5	1.9	0.50	ng/L	19.23	ND	86.0	70-130	0.491	30
Perfluorononanoic acid (PFNA)	16.8	1.9	0.70	ng/L	19.23	ND	87.2	70-130	7.43	30
Surrogate: M2-4:2FTS	31.5			ng/L	36.08		87.2	50-200		
Surrogate: M2-8:2FTS	31.7			ng/L	36.93		85.9	50-200		
Surrogate: MPFBA	30.4			ng/L	38.46		78.9	50-200		
Surrogate: M3HFPO-DA	35.7			ng/L	38.46		92.7	50-200		
Surrogate: M6PFDA	30.2			ng/L	38.46		78.5	50-200		
Surrogate: M3PFBS	35.8			ng/L	35.85		99.9	50-200		
Surrogate: M7PFUnA	29.6			ng/L	38.46		76.9	50-200		
Surrogate: M2-6:2FTS	34.9			ng/L	36.58		95.4	50-200		
Surrogate: M5PFPeA	30.5			ng/L	38.46		79.4	50-200		
Surrogate: M5PFHxA	31.7			ng/L	38.46		82.3	50-200		
Surrogate: M3PFHxS	36.1			ng/L	36.46		99.1	50-200		
Surrogate: M4PFHpA	32.1			ng/L	38.46		83.5	50-200		
Surrogate: M8PFOA	32.1			ng/L	38.46		83.6	50-200		
Surrogate: M8PFOS	33.2			ng/L	36.89		90.0	50-200		
Surrogate: M9PFNA	31.2			ng/L	38.46		81.1	50-200		
Surrogate: MPFDoA	29.7			ng/L	38.46		77.2	50-200		

**FLAG/QUALIFIER SUMMARY**

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 533 in Drinking Water	
Perfluorobutanoic acid (PFBA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluorobutanesulfonic acid (PFBS)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,VA,M
Perfluoropentanoic acid (PFPeA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluorohexanoic acid (PFHxA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
11Cl-PF3OUdS (F53B Major)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
9Cl-PF3ONS (F53B Minor)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Hexafluoropropylene oxide dimer acid (HFPO-DA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,VA,M
8:2 Fluorotelomersulfonic acid (8:2FTS A)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluorodecanoic acid (PFDA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluorododecanoic acid (PFDoA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluoroheptanesulfonic acid (PFHpS)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
4:2 Fluorotelomersulfonic acid (4:2FTS A)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluorohexanesulfonic acid (PFHxS)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,VA,M
Perfluoro-4-oxapentanoic acid (PFMPA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluoro-5-oxahexanoic acid (PFMBA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
6:2 Fluorotelomersulfonic acid (6:2FTS A)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluoropentanesulfonic acid (PFPeS)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluoroundecanoic acid (PFUnA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluoroheptanoic acid (PFHpA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,WV-I
Perfluorooctanoic acid (PFOA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,VA,M
Perfluorooctanesulfonic acid (PFOS)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,VA,M
Perfluorononanoic acid (PFNA)	CT,NH,NY,VT-DW,ME,NJ,PA,OH,LA-DW,VA,M

Pace Analytical Services, LLC - East Longmeadow, Ma, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2026
NY	New York State Department of Health	10899 NELAP	04/1/2026
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2026
NJ	New Jersey DEP	MA007 NELAP	06/30/2026
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2026
ME	State of Maine	MA00100	06/9/2027
VA	Commonwealth of Virginia	460217	12/14/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2026
OH	Ohio Environmental Protection Agency	87781	04/1/2026
LA-DW	State of Louisiana Dept of Health/Office of Public Health	LA042	12/31/2025
MD-DW	Maryland Dept of the Env Water Supply Program	373	06/30/2026
WV-DW	West Virginia Dept. of Health	9979C	01/31/2026

Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

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CHAIN OF CUSTODY RECORD (New York)

Page 1 of 1

Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>

Company Name: NYS DEC Consultant: EAR

Consultant Address: 225 ARANTZ AVENUE PATERAQUE NY

Consultant Phone: 631-447-6400

Callout Project Name: ANG BASE SITE

Project Location: 351 MT. AERY RD NEW WINDSOR NY

Callout Number: # 151958

Site/Spill Number: # 336089

Project Manager: DAN HOFMANN

Pace Analytical Quote Name/Number: EARL

Invoice Recipient: EARL

Sampled By: EARL

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix Code

Conc. Code

1 INFLUENT

2 EFFLUENT

3 DYPLECTATE

4 MIB

5 A-25

6 A-50

7 A-75

8 B-25

9 B-50

10 B-75

Comments:

1) PFAS BY 533 (31 COMPOUND LIST).

2) CATEGORY "A" DELIVERABLES REQUESTED.

Relinquished by: (signature)

Date/Time: 28 JUL 25

Received by: (signature)

Date/Time: 1415

Relinquished by: (signature)

Date/Time: 28 JUL 25

Received by: (signature)

Date/Time: 7/29/2025

Relinquished by: (signature)

Date/Time: 7/29/2025

Received by: (signature)

Requested Turnaround Time

DEC Standard 30-calendar day

Due Date:

Rush (Prior Approval Required)

1-Day

2-Day

3-Day

4-Day

5-Day

10-Day

Data Delivery

Format: PDF

EXCEL

Other:

CLP Like (Level 4) Data Pkg Required:

Email To:

Fax To #:

8260: DER TCL / Oxygenates / CP-51

8270: DER TCL / CP-51

1,4-Dioxane SIM | 8082 PCBs

8081 Pesticide | 8151 Herbicide

TAL Total Metals | TCLP RCRA 8 Metals

PFAS 1633 | PFAS 537 ID

PFAS BY 533

M5/MSD

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Field Filtered

Lab to Filter

Orbophosphate Samples

Field Filtered

Lab to Filter

Dissolved Metals Samples

Container Code

Preservation Code

of Containers

1 Matrix Codes:

GW = Ground Water

WW = Waste Water

DW = Drinking Water

A = Air

S = Soil

SL = Sludge

SOL = Solid

O = Other (please define)

2 Preservation Codes:

I = Iced

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium Bisulfate

X = Sodium Hydroxide

T = Sodium

Thiosulfate

O = Other (please define) AA

3 Container Codes:

A = Amber Glass

G = Glass

P = Plastic

ST = Sterile

V = Vial

S = Summa Canister

T = Tedlar Bag

O = Other (please define)

PCB ONLY

Soxhlet

Non Soxhlet

Chromatogram

AIHA-LAP, LLC

NY Regs Hits-Only EDD

NY Regs Hits-Only EDD

NY Regs Hits-Only EDD

NY Regs Hits-Only EDD

NY Regs Hits-Only EDD

NY Regs Hits-Only EDD

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NY Regs Hits-Only EDD

NY Regs Hits-Only EDD



DC#_Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024

Log In Back-Sheet

Client MSDEC EARProject ANG Base SiteMCP/RCP Required N/ADeliverable Package Requirement N/ALocation 351 Mt. Airy Rd, New Windsor, NYPWSID# (When Applicable) N/A

Arrival Method:

Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐Received By / Date / Time ELR 4/30/25 0240Back-Sheet By / Date / Time STM 8/11/25 1524Temperature Method GUN # 6

WV samples: Yes (see note*) / No (follow normal procedure)

Temp X < 6° C Actual Temperature 0.4Rush Samples: Yes ☐ No ☒ NotifyShort Hold: Yes ☐ No ☒ Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist - (Rejection Criteria Listing
- Using Acceptance Policy) Any False statement will be
brought to the attention of the Client - True or False

	True	False
Received on ice	☒	☐
Received in Cooler	☒	☐
Custody Seal: DATE TIME	☐	☒
COC Relinquished	☒	☐
COC/Samples Labels Agree	☒	☐
All Samples in Good Condition	☒	☐
Samples Received within Holding Time	☒	☐
Is there enough Volume	☒	☐
Proper Media/Container Used	☒	☐
Splitting Samples Required	☐	☒
MS/MSD	☒	☐
Trip Blanks	☐	☒
Lab to Filters	☐	☒
COC Legible	☒	☐
COC Included: (Check all included)		
Client ☒ Analysis ☒ Sampler Name ☒		
Project ☒ IDs ☒ Collection Date/Time ☒		

All Samples Proper pH:

N/A

Additional Container Notes

*Note: West Virginia requires all samples to have their
temperature taken. Note any outliers.

Effective Date: 06/11/2024

[illegible]