



May 8, 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 April 14, 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.

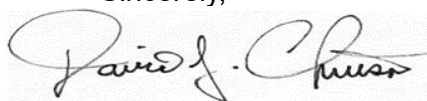
Specifically, the samples were analyzed for a total of twenty-five per- and polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). Data received for the 25 PFAS list analysis has been attached. During this event, sampling for the 25 PFAS list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

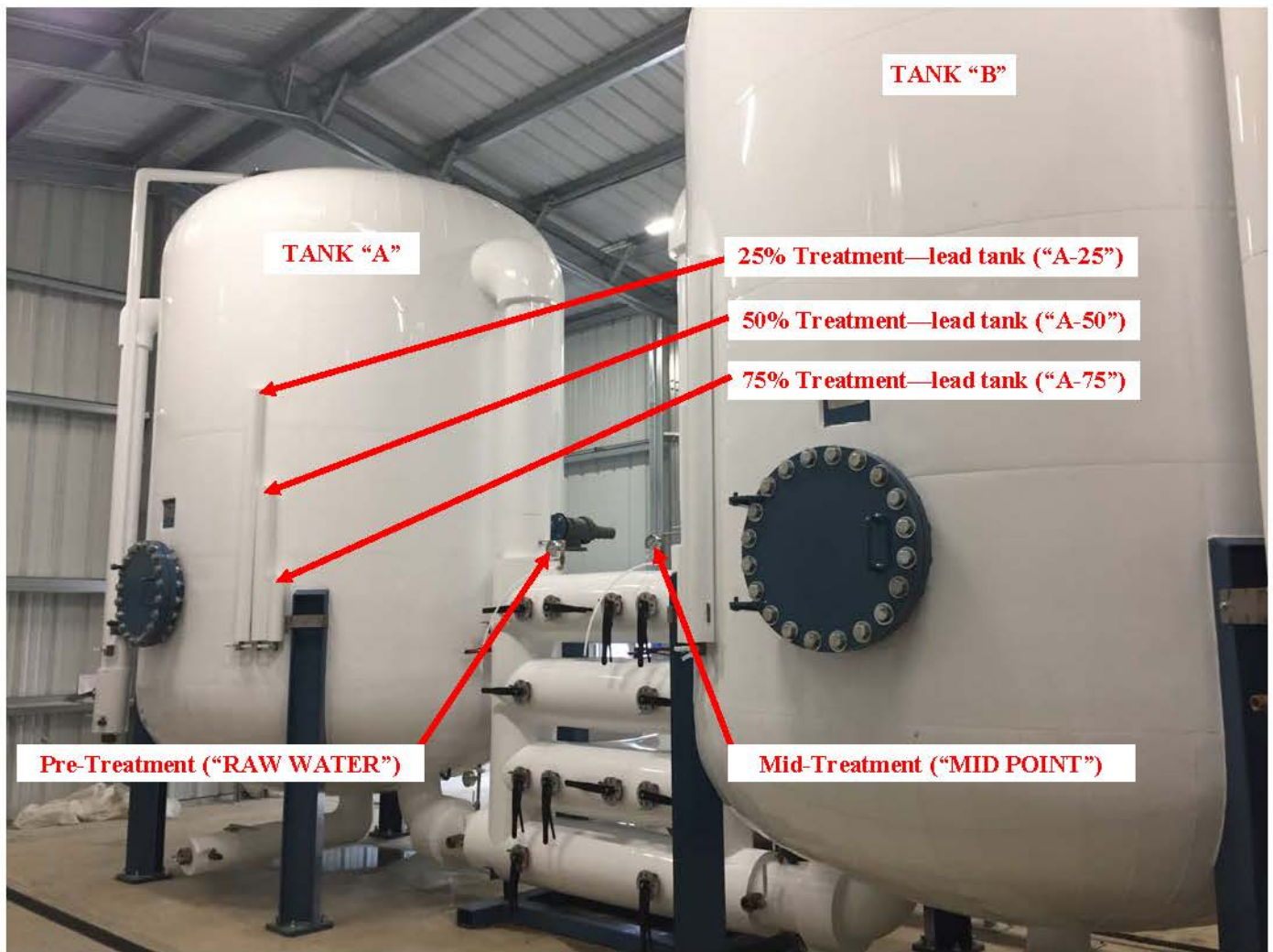


Figure 1—Kroll Well GAC Treatment System
Sampling Locations

Town of New Windsor

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

(Last updated: May 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: May 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: May 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: May 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: May 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

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.



Pace Analytical Services, LLC - East Longmeadow, Ma

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

April 29, 2025

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

Project Location: 351 Mt. Airy Rd, New Windsor, NY
Client Job Number:
Project Number: 336089
Laboratory Work Order Number: 25D1095

Enclosed are results of analyses for samples as received by the laboratory on April 16, 2025. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Kyle K. Stuckey".

Kyle K. Stuckey
Project Manager

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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: 4/29/2025

PURCHASE ORDER NUMBER: 151958

PROJECT NUMBER: 336089

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 25D1095

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. Airy Rd, New Windsor, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
INFLUENT	25D1095-01	Ground Water		EPA 533	
EFFLUENT	25D1095-02	Ground Water		EPA 533	
DUPLICATE	25D1095-03	Ground Water		EPA 533	
MID	25D1095-04	Ground Water		EPA 533	
A-25	25D1095-05	Ground Water		EPA 533	
A-50	25D1095-06	Ground Water		EPA 533	
A-75	25D1095-07	Ground Water		EPA 533	
B-25	25D1095-08	Ground Water		EPA 533	
B-50	25D1095-09	Ground Water		EPA 533	
B-75	25D1095-10	Ground 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.

EPA 533**Qualifications:****PF-18**

Re-analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:**M2-4:2FTS**

25D1095-09[B-50]

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**Hexafluoropropylene oxide dimer :**

B403453-BSD1

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:**M3HFPO-DA**

25D1095-08[B-25]

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.

Lisa A. Worthington

Technical Representative



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

Project Location: 351 Mt. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: INFLUENT

Sampled: 4/14/2025 09:10

Sample ID: 25D1095-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.2	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorobutanesulfonic acid (PFBS)	7.5	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoropentanoic acid (PFPeA)	7.3	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorohexanoic acid (PFHxA)	6.3	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.3	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluoroheptanoic acid (PFHpA)	5.3	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorooctanoic acid (PFOA)	15	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorooctanesulfonic acid (PFOS)	11	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 10:52	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	76.5	50-200	4/24/25 10:52
M2-8:2FTS	78.6	50-200	4/24/25 10:52
MPFBA	104	50-200	4/24/25 10:52
M3HFPO-DA	75.8	50-200	4/24/25 10:52
M6PFDA	103	50-200	4/24/25 10:52
M3PFBS	107	50-200	4/24/25 10:52
M7PFUnA	96.9	50-200	4/24/25 10:52
M2-6:2FTS	152	50-200	4/24/25 10:52
M5PFPeA	114	50-200	4/24/25 10:52
M5PFHxA	103	50-200	4/24/25 10:52
M3PFHxS	112	50-200	4/24/25 10:52
M4PFHpA	101	50-200	4/24/25 10:52
M8PFOA	108	50-200	4/24/25 10:52
M8PFOS	104	50-200	4/24/25 10:52
M9PFNA	96.2	50-200	4/24/25 10:52
MPFDoA	101	50-200	4/24/25 10:52



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: EFFLUENT

Sampled: 4/14/2025 09:05

Sample ID: 25D1095-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:21	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	59.6	50-200	4/24/25 11:21
M2-8:2FTS	75.6	50-200	4/24/25 11:21
MPFBA	92.3	50-200	4/24/25 11:21
M3HFPO-DA	71.9	50-200	4/24/25 11:21
M6PFDA	97.0	50-200	4/24/25 11:21
M3PFBS	103	50-200	4/24/25 11:21
M7PFUnA	97.2	50-200	4/24/25 11:21
M2-6:2FTS	135	50-200	4/24/25 11:21
M5PFPeA	88.8	50-200	4/24/25 11:21
M5PFHxA	87.4	50-200	4/24/25 11:21
M3PFHxS	103	50-200	4/24/25 11:21
M4PFHpA	93.3	50-200	4/24/25 11:21
M8PFOA	98.8	50-200	4/24/25 11:21
M8PFOS	98.6	50-200	4/24/25 11:21
M9PFNA	95.2	50-200	4/24/25 11:21
MPFDoA	93.3	50-200	4/24/25 11:21



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: DUPLICATE

Sampled: 4/14/2025 00:00

Sample ID: 25D1095-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:28	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	50.6	50-200	4/24/25 11:28
M2-8:2FTS	68.1	50-200	4/24/25 11:28
MPFBA	89.4	50-200	4/24/25 11:28
M3HFPO-DA	65.4	50-200	4/24/25 11:28
M6PFDA	91.4	50-200	4/24/25 11:28
M3PFBS	96.5	50-200	4/24/25 11:28
M7PFUnA	88.2	50-200	4/24/25 11:28
M2-6:2FTS	132	50-200	4/24/25 11:28
M5PFPeA	87.7	50-200	4/24/25 11:28
M5PFHxA	82.1	50-200	4/24/25 11:28
M3PFHxS	98.2	50-200	4/24/25 11:28
M4PFHpA	89.2	50-200	4/24/25 11:28
M8PFOA	93.7	50-200	4/24/25 11:28
M8PFOS	91.3	50-200	4/24/25 11:28
M9PFNA	88.7	50-200	4/24/25 11:28
MPFDoA	87.9	50-200	4/24/25 11:28



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

Project Location: 351 Mt. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: MID

Sampled: 4/14/2025 09:15

Sample ID: 25D1095-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 10:45	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	65.2	50-200	4/28/25 10:45
M2-8:2FTS	97.7	50-200	4/28/25 10:45
MPFBA	80.4	50-200	4/28/25 10:45
M3HFPO-DA	68.5	50-200	4/28/25 10:45
M6PFDA	83.0	50-200	4/28/25 10:45
M3PFBS	90.3	50-200	4/28/25 10:45
M7PFUnA	86.8	50-200	4/28/25 10:45
M2-6:2FTS	86.8	50-200	4/28/25 10:45
M5PFPeA	86.0	50-200	4/28/25 10:45
M5PFHxA	73.9	50-200	4/28/25 10:45
M3PFHxS	94.7	50-200	4/28/25 10:45
M4PFHpA	78.0	50-200	4/28/25 10:45
M8PFOA	81.8	50-200	4/28/25 10:45
M8PFOS	104	50-200	4/28/25 10:45
M9PFNA	84.8	50-200	4/28/25 10:45
MPFDoA	87.3	50-200	4/28/25 10:45



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: A-25

Sampled: 4/14/2025 09:30

Sample ID: 25D1095-05

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.0	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoropentanoic acid (PFPeA)	5.1	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorohexanoic acid (PFHxA)	2.1	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 15:50	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	58.2	50-200	4/28/25 15:50
M2-8:2FTS	91.1	50-200	4/28/25 15:50
MPFBA	94.8	50-200	4/28/25 15:50
M3HFPO-DA	80.4	50-200	4/28/25 15:50
M6PFDA	92.2	50-200	4/28/25 15:50
M3PFBS	87.5	50-200	4/28/25 15:50
M7PFUnA	89.1	50-200	4/28/25 15:50
M2-6:2FTS	75.7	50-200	4/28/25 15:50
M5PFPeA	101	50-200	4/28/25 15:50
M5PFHxA	86.9	50-200	4/28/25 15:50
M3PFHxS	91.8	50-200	4/28/25 15:50
M4PFHpA	85.0	50-200	4/28/25 15:50
M8PFOA	90.8	50-200	4/28/25 15:50
M8PFOS	98.5	50-200	4/28/25 15:50
M9PFNA	95.1	50-200	4/28/25 15:50
MPFDoA	85.3	50-200	4/28/25 15:50



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: A-50

Sampled: 4/14/2025 09:35

Sample ID: 25D1095-06

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.8	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/25/25	4/28/25 11:07	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	50.2	50-200	4/28/25 11:07
M2-8:2FTS	70.6	50-200	4/28/25 11:07
MPFBA	79.8	50-200	4/28/25 11:07
M3HFPO-DA	77.0	50-200	4/28/25 11:07
M6PFDA	85.9	50-200	4/28/25 11:07
M3PFBS	84.2	50-200	4/28/25 11:07
M7PFUnA	83.6	50-200	4/28/25 11:07
M2-6:2FTS	65.8	50-200	4/28/25 11:07
M5PFPeA	84.3	50-200	4/28/25 11:07
M5PFHxA	77.5	50-200	4/28/25 11:07
M3PFHxS	86.0	50-200	4/28/25 11:07
M4PFHpA	78.7	50-200	4/28/25 11:07
M8PFOA	80.4	50-200	4/28/25 11:07
M8PFOS	93.0	50-200	4/28/25 11:07
M9PFNA	87.1	50-200	4/28/25 11:07
MPFDoA	82.9	50-200	4/28/25 11:07



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: A-75

Sampled: 4/14/2025 09:40

Sample ID: 25D1095-07

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 11:57	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	51.6	50-200	4/24/25 11:57
M2-8:2FTS	73.8	50-200	4/24/25 11:57
MPFBA	85.8	50-200	4/24/25 11:57
M3HFPO-DA	56.8	50-200	4/24/25 11:57
M6PFDA	92.8	50-200	4/24/25 11:57
M3PFBS	101	50-200	4/24/25 11:57
M7PFUnA	87.0	50-200	4/24/25 11:57
M2-6:2FTS	122	50-200	4/24/25 11:57
M5PFPeA	85.2	50-200	4/24/25 11:57
M5PFHxA	84.2	50-200	4/24/25 11:57
M3PFHxS	107	50-200	4/24/25 11:57
M4PFHpA	90.1	50-200	4/24/25 11:57
M8PFOA	95.7	50-200	4/24/25 11:57
M8PFOS	104	50-200	4/24/25 11:57
M9PFNA	85.0	50-200	4/24/25 11:57
MPFDoA	82.0	50-200	4/24/25 11:57



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: B-25

Sampled: 4/14/2025 09:45

Sample ID: 25D1095-08

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoropentanoic acid (PFPeA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2
Perfluorononanoic acid (PFNA)	ND	1.9	ng/L	1		EPA 533	4/23/25	4/24/25 12:44	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	54.8	50-200	
M2-8:2FTS	87.3	50-200	
MPFBA	83.2	50-200	
M3HFPO-DA	44.2 *	50-200	S-29
M6PFDA	90.4	50-200	
M3PFBS	109	50-200	
M7PFUnA	86.8	50-200	
M2-6:2FTS	147	50-200	
M5PFPeA	83.9	50-200	
M5PFHxA	79.1	50-200	
M3PFHxS	110	50-200	
M4PFHpA	85.0	50-200	
M8PFOA	88.3	50-200	
M8PFOS	108	50-200	
M9PFNA	84.2	50-200	
MPFDoA	84.0	50-200	



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: B-50

Sampled: 4/14/2025 09:50

Sample ID: 25D1095-09

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		EPA 533	4/23/25	4/24/25 12:51	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	48.8 *	50-200	PF-18
M2-8:2FTS	70.5	50-200	
MPFBA	87.2	50-200	
M3HFPO-DA	57.1	50-200	
M6PFDA	88.8	50-200	
M3PFBS	97.9	50-200	
M7PFUnA	88.0	50-200	
M2-6:2FTS	102	50-200	
M5PFPeA	86.8	50-200	
M5PFHxA	83.1	50-200	
M3PFHxS	103	50-200	
M4PFHpA	88.7	50-200	
M8PFOA	89.7	50-200	
M8PFOS	95.3	50-200	
M9PFNA	84.6	50-200	
MPFDoA	82.4	50-200	



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. Airy Rd, New Windsor, N

Sample Description:

Work Order: 25D1095

Date Received: 4/16/2025

Field Sample #: B-75

Sampled: 4/14/2025 09:55

Sample ID: 25D1095-10

Sample Matrix: Ground Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoropentanoic acid (PFPeA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorohexanoic acid (PFHxA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
4,8-Dioxo-3H-perfluorononanoic acid (ADONA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorodecanoic acid (PFDA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorooctanoic acid (PFOA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2
Perfluorononanoic acid (PFNA)	ND	2.1	ng/L	1		EPA 533	4/23/25	4/24/25 12:59	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual
M2-4:2FTS	52.1	50-200	4/24/25 12:59
M2-8:2FTS	80.2	50-200	4/24/25 12:59
MPFBA	89.8	50-200	4/24/25 12:59
M3HFPO-DA	57.3	50-200	4/24/25 12:59
M6PFDA	95.6	50-200	4/24/25 12:59
M3PFBS	106	50-200	4/24/25 12:59
M7PFUnA	94.9	50-200	4/24/25 12:59
M2-6:2FTS	118	50-200	4/24/25 12:59
M5PFPeA	87.6	50-200	4/24/25 12:59
M5PFHxA	83.0	50-200	4/24/25 12:59
M3PFHxS	107	50-200	4/24/25 12:59
M4PFHpA	90.4	50-200	4/24/25 12:59
M8PFOA	96.0	50-200	4/24/25 12:59
M8PFOS	105	50-200	4/24/25 12:59
M9PFNA	90.6	50-200	4/24/25 12:59
MPFDoA	96.4	50-200	4/24/25 12:59



Pace Analytical Services, LLC - East Longmeadow, Ma

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25D1095-01 [INFLUENT]	B403453	255	1.00	04/23/25
25D1095-02 [EFFLUENT]	B403453	250	1.00	04/23/25
25D1095-03 [DUPLICATE]	B403453	246	1.00	04/23/25
25D1095-07 [A-75]	B403453	249	1.00	04/23/25
25D1095-08 [B-25]	B403453	266	1.00	04/23/25
25D1095-09 [B-50]	B403453	255	1.00	04/23/25
25D1095-10 [B-75]	B403453	236	1.00	04/23/25

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
25D1095-04RE1 [MID]	B403811	251	1.00	04/25/25
25D1095-05RE1 [A-25]	B403811	252	1.00	04/25/25
25D1095-06RE1 [A-50]	B403811	252	1.00	04/25/25



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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 B403453 - EPA 533

Blank (B403453-BLK1)

Prepared: 04/23/25 Analyzed: 04/24/25

Perfluorobutanoic acid (PFBA)	ND	1.9		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L							
Surrogate: M2-4:2FTS	34.4			ng/L	36.25		95.0	50-200			
Surrogate: M2-8:2FTS	38.5			ng/L	37.10		104	50-200			
Surrogate: MPFBA	37.3			ng/L	38.65		96.6	50-200			
Surrogate: M3HFPO-DA	25.4			ng/L	38.65		65.8	50-200			
Surrogate: M6PFDA	38.5			ng/L	38.65		99.7	50-200			
Surrogate: M3PFBS	39.8			ng/L	36.02		111	50-200			
Surrogate: M7PFUnA	38.2			ng/L	38.65		98.8	50-200			
Surrogate: M2-6:2FTS	69.0			ng/L	36.76		188	50-200			
Surrogate: M5PFPeA	35.3			ng/L	38.65		91.4	50-200			
Surrogate: M5PFHxA	34.8			ng/L	38.65		89.9	50-200			
Surrogate: M3PFHxS	41.6			ng/L	36.64		113	50-200			
Surrogate: M4PFHpA	36.6			ng/L	38.65		94.6	50-200			
Surrogate: M8PFOA	39.1			ng/L	38.65		101	50-200			
Surrogate: M8PFOS	40.8			ng/L	37.07		110	50-200			
Surrogate: M9PFNA	37.8			ng/L	38.65		97.7	50-200			
Surrogate: MPFDoA	35.9			ng/L	38.65		92.9	50-200			

LCS (B403453-BS1)

Prepared: 04/23/25 Analyzed: 04/24/25

Perfluorobutanoic acid (PFBA)	2.40	1.9		ng/L	1.903		126	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.77	1.9		ng/L	1.903		93.1	50-150			
Perfluoropentanoic acid (PFPeA)	1.69	1.9		ng/L	1.903		88.7	50-150			
Perfluorohexanoic acid (PFHxA)	2.12	1.9		ng/L	1.903		112	50-150			
11Cl-PF3OUdS (F53B Major)	1.85	1.9		ng/L	1.903		97.2	50-150			

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 B403453 - EPA 533

LCS (B403453-BS1)

Prepared: 04/23/25 Analyzed: 04/24/25

9Cl-PF3ONS (F53B Minor)	2.09	1.9		ng/L	1.903		110	50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.11	1.9		ng/L	1.903		111	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.13	1.9		ng/L	1.903		59.4	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.18	1.9		ng/L	1.903		115	50-150			
Perfluorodecanoic acid (PFDA)	1.86	1.9		ng/L	1.903		97.9	50-150			
Perfluorododecanoic acid (PFDoA)	1.83	1.9		ng/L	1.903		96.4	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	1.73	1.9		ng/L	1.903		90.9	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.69	1.9		ng/L	1.903		88.8	50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.85	1.9		ng/L	1.903		97.3	50-150			
Perfluorohexanesulfonic acid (PFHxS)	2.15	1.9		ng/L	1.903		113	50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.94	1.9		ng/L	1.903		102	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.78	1.9		ng/L	1.903		93.8	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.13	1.9		ng/L	1.903		112	50-150			
Perfluoropentanesulfonic acid (PFPeS)	1.85	1.9		ng/L	1.903		97.1	50-150			
Perfluoroundecanoic acid (PFUnA)	1.90	1.9		ng/L	1.903		100	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.18	1.9		ng/L	1.903		114	50-150			
Perfluoroheptanoic acid (PFHpA)	1.89	1.9		ng/L	1.903		99.2	50-150			
Perfluorooctanoic acid (PFOA)	2.41	1.9		ng/L	1.903		126	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.85	1.9		ng/L	1.903		97.4	50-150			
Perfluorononanoic acid (PFNA)	2.00	1.9		ng/L	1.903		105	50-150			
Surrogate: M2-4:2FTS	35.2			ng/L	35.70		98.6	50-200			
Surrogate: M2-8:2FTS	36.8			ng/L	36.54		101	50-200			
Surrogate: MPFBA	36.1			ng/L	38.06		95.0	50-200			
Surrogate: M3HFPO-DA	29.5			ng/L	38.06		77.5	50-200			
Surrogate: M6PFDA	36.0			ng/L	38.06		94.5	50-200			
Surrogate: M3PFBS	38.4			ng/L	35.47		108	50-200			
Surrogate: M7PFUnA	36.3			ng/L	38.06		95.4	50-200			
Surrogate: M2-6:2FTS	64.3			ng/L	36.19		178	50-200			
Surrogate: M5PFPeA	35.5			ng/L	38.06		93.3	50-200			
Surrogate: M5PFHxA	32.7			ng/L	38.06		85.9	50-200			
Surrogate: M3PFHxS	38.9			ng/L	36.08		108	50-200			
Surrogate: M4PFHpA	35.7			ng/L	38.06		93.7	50-200			
Surrogate: M8PFOA	37.6			ng/L	38.06		98.7	50-200			
Surrogate: M8PFOS	37.6			ng/L	36.50		103	50-200			
Surrogate: M9PFNA	37.2			ng/L	38.06		97.8	50-200			
Surrogate: MPFDoA	34.9			ng/L	38.06		91.8	50-200			

LCS Dup (B403453-BS1)

Prepared: 04/23/25 Analyzed: 04/24/25

Perfluorobutanoic acid (PFBA)	2.68	1.9		ng/L	1.896		141	50-150	11.0	50	
Perfluorobutanesulfonic acid (PFBS)	1.71	1.9		ng/L	1.896		90.2	50-150	3.58	50	
Perfluoropentanoic acid (PFPeA)	2.08	1.9		ng/L	1.896		110	50-150	21.0	50	
Perfluorohexanoic acid (PFHxA)	1.77	1.9		ng/L	1.896		93.4	50-150	18.1	50	
11Cl-PF3OUdS (F53B Major)	1.75	1.9		ng/L	1.896		92.4	50-150	5.45	50	
9Cl-PF3ONS (F53B Minor)	2.04	1.9		ng/L	1.896		108	50-150	2.65	50	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.15	1.9		ng/L	1.896		113	50-150	1.58	50	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.42	1.9		ng/L	1.896		128	50-150	72.6	*	50 R-05
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.98	1.9		ng/L	1.896		105	50-150	9.66	50	

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 B403453 - EPA 533

LCS Dup (B403453-BSD1)

Prepared: 04/23/25 Analyzed: 04/24/25

Perfluorodecanoic acid (PFDA)	1.75	1.9		ng/L	1.896		92.6	50-150	6.00	50	
Perfluorododecanoic acid (PFDoA)	1.86	1.9		ng/L	1.896		98.1	50-150	1.40	50	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	1.70	1.9		ng/L	1.896		89.9	50-150	1.51	50	
Perfluoroheptanesulfonic acid (PFHpS)	1.93	1.9		ng/L	1.896		102	50-150	13.4	50	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.64	1.9		ng/L	1.896		86.5	50-150	12.1	50	
Perfluorohexanesulfonic acid (PFHxS)	1.92	1.9		ng/L	1.896		101	50-150	11.5	50	
Perfluoro-4-oxapentanoic acid (PFMPA)	1.84	1.9		ng/L	1.896		97.2	50-150	5.44	50	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.85	1.9		ng/L	1.896		97.6	50-150	3.56	50	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.04	1.9		ng/L	1.896		108	50-150	4.09	50	
Perfluoropentanesulfonic acid (PFPeS)	2.26	1.9		ng/L	1.896		119	50-150	20.3	50	
Perfluoroundecanoic acid (PFUnA)	1.90	1.9		ng/L	1.896		100	50-150	0.160	50	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.94	1.9		ng/L	1.896		102	50-150	11.6	50	
Perfluoroheptanoic acid (PFHpA)	1.94	1.9		ng/L	1.896		102	50-150	2.50	50	
Perfluorooctanoic acid (PFOA)	1.94	1.9		ng/L	1.896		103	50-150	21.3	50	
Perfluorooctanesulfonic acid (PFOS)	1.95	1.9		ng/L	1.896		103	50-150	5.18	50	
Perfluorononanoic acid (PFNA)	1.94	1.9		ng/L	1.896		102	50-150	2.91	50	
Surrogate: M2-4:2FTS	30.4			ng/L	35.56		85.4	50-200			
Surrogate: M2-8:2FTS	33.3			ng/L	36.40		91.5	50-200			
Surrogate: MPFBA	35.9			ng/L	37.91		94.6	50-200			
Surrogate: M3HFPO-DA	22.9			ng/L	37.91		60.4	50-200			
Surrogate: M6PFDA	36.9			ng/L	37.91		97.4	50-200			
Surrogate: M3PFBS	38.5			ng/L	35.33		109	50-200			
Surrogate: M7PFUnA	37.1			ng/L	37.91		97.9	50-200			
Surrogate: M2-6:2FTS	60.4			ng/L	36.05		167	50-200			
Surrogate: M5PFPeA	33.7			ng/L	37.91		88.8	50-200			
Surrogate: M5PFHxA	32.9			ng/L	37.91		86.9	50-200			
Surrogate: M3PFHxS	41.0			ng/L	35.94		114	50-200			
Surrogate: M4PFHpA	34.5			ng/L	37.91		90.9	50-200			
Surrogate: M8PFOA	36.9			ng/L	37.91		97.3	50-200			
Surrogate: M8PFOS	39.4			ng/L	36.36		109	50-200			
Surrogate: M9PFNA	35.0			ng/L	37.91		92.2	50-200			
Surrogate: MPFDoA	34.4			ng/L	37.91		90.9	50-200			

Batch B403811 - EPA 533

Blank (B403811-BLK1)

Prepared: 04/25/25 Analyzed: 04/28/25

Perfluorobutanoic acid (PFBA)	ND	1.8		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ND	1.8		ng/L							



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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 B403811 - EPA 533

Blank (B403811-BLK1)

Prepared: 04/25/25 Analyzed: 04/28/25

Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L							
Surrogate: M2-4:2FTS	33.2			ng/L	34.45		96.3	50-200			
Surrogate: M2-8:2FTS	37.4			ng/L	35.26		106	50-200			
Surrogate: MPFBA	33.5			ng/L	36.73		91.3	50-200			
Surrogate: M3HFPO-DA	29.4			ng/L	36.73		80.1	50-200			
Surrogate: M6PFDA	32.5			ng/L	36.73		88.6	50-200			
Surrogate: M3PFBS	31.0			ng/L	34.23		90.6	50-200			
Surrogate: M7PFUnA	32.5			ng/L	36.73		88.5	50-200			
Surrogate: M2-6:2FTS	35.7			ng/L	34.93		102	50-200			
Surrogate: M5PFPeA	34.6			ng/L	36.73		94.1	50-200			
Surrogate: M5PFHxA	30.8			ng/L	36.73		83.9	50-200			
Surrogate: M3PFHxS	33.7			ng/L	34.82		96.7	50-200			
Surrogate: M4PFHpA	31.2			ng/L	36.73		84.9	50-200			
Surrogate: M8PFOA	32.2			ng/L	36.73		87.7	50-200			
Surrogate: M8PFOS	34.8			ng/L	35.22		98.9	50-200			
Surrogate: M9PFNA	34.0			ng/L	36.73		92.6	50-200			
Surrogate: MPFDoA	31.9			ng/L	36.73		86.9	50-200			

LCS (B403811-BS1)

Prepared: 04/25/25 Analyzed: 04/28/25

Perfluorobutanoic acid (PFBA)	18.5	1.7		ng/L	17.49		106	70-130			
Perfluorobutanesulfonic acid (PFBS)	14.6	1.7		ng/L	17.49		83.4	70-130			
Perfluoropentanoic acid (PFPeA)	16.2	1.7		ng/L	17.49		92.4	70-130			
Perfluorohexanoic acid (PFHxA)	17.9	1.7		ng/L	17.49		102	70-130			
11Cl-PF3OUdS (F53B Major)	15.3	1.7		ng/L	17.49		87.5	70-130			
9Cl-PF3ONS (F53B Minor)	17.3	1.7		ng/L	17.49		98.7	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18.5	1.7		ng/L	17.49		106	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	16.5	1.7		ng/L	17.49		94.3	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	17.3	1.7		ng/L	17.49		98.9	70-130			
Perfluorodecanoic acid (PFDA)	16.1	1.7		ng/L	17.49		92.2	70-130			
Perfluorododecanoic acid (PFDoA)	15.9	1.7		ng/L	17.49		90.8	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	14.9	1.7		ng/L	17.49		85.1	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	14.8	1.7		ng/L	17.49		84.7	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	17.1	1.7		ng/L	17.49		97.6	70-130			
Perfluorohexanesulfonic acid (PFHxS)	17.3	1.7		ng/L	17.49		99.0	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	14.1	1.7		ng/L	17.49		80.8	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	12.8	1.7		ng/L	17.49		73.0	70-130			



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 B403811 - EPA 533

LCS (B403811-BS1)

Prepared: 04/25/25 Analyzed: 04/28/25

6:2 Fluorotelomersulfonic acid (6:2FTS A)	18.6	1.7		ng/L	17.49		107	70-130		
Perfluoropentanesulfonic acid (PFPeS)	18.4	1.7		ng/L	17.49		105	70-130		
Perfluoroundecanoic acid (PFUnA)	16.8	1.7		ng/L	17.49		96.2	70-130		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	14.0	1.7		ng/L	17.49		80.1	70-130		
Perfluoroheptanoic acid (PFHpA)	16.8	1.7		ng/L	17.49		96.0	70-130		
Perfluorooctanoic acid (PFOA)	17.4	1.7		ng/L	17.49		99.5	70-130		
Perfluorooctanesulfonic acid (PFOS)	15.6	1.7		ng/L	17.49		89.0	70-130		
Perfluorononanoic acid (PFNA)	17.3	1.7		ng/L	17.49		98.9	70-130		
Surrogate: M2-4:2FTS	24.4			ng/L	32.80		74.5	50-200		
Surrogate: M2-8:2FTS	28.6			ng/L	33.57		85.1	50-200		
Surrogate: MPFBA	33.3			ng/L	34.97		95.1	50-200		
Surrogate: M3HFPO-DA	26.4			ng/L	34.97		75.5	50-200		
Surrogate: M6PFDA	31.9			ng/L	34.97		91.2	50-200		
Surrogate: M3PFBS	28.2			ng/L	32.59		86.6	50-200		
Surrogate: M7PFUnA	30.9			ng/L	34.97		88.5	50-200		
Surrogate: M2-6:2FTS	27.4			ng/L	33.26		82.3	50-200		
Surrogate: M5PFPeA	34.1			ng/L	34.97		97.5	50-200		
Surrogate: M5PFHxA	31.0			ng/L	34.97		88.7	50-200		
Surrogate: M3PFHxS	28.5			ng/L	33.15		85.9	50-200		
Surrogate: M4PFHpA	30.6			ng/L	34.97		87.4	50-200		
Surrogate: M8PFOA	30.8			ng/L	34.97		88.2	50-200		
Surrogate: M8PFOS	31.7			ng/L	33.54		94.6	50-200		
Surrogate: M9PFNA	33.1			ng/L	34.97		94.7	50-200		
Surrogate: MPFDoA	29.9			ng/L	34.97		85.5	50-200		

LCS Dup (B403811-BS1)

Prepared: 04/25/25 Analyzed: 04/28/25

Perfluorobutanoic acid (PFBA)	20.1	1.8		ng/L	18.03		111	70-130	8.00	30
Perfluorobutanesulfonic acid (PFBS)	17.6	1.8		ng/L	18.03		97.4	70-130	18.5	30
Perfluoropentanoic acid (PFPeA)	17.5	1.8		ng/L	18.03		97.1	70-130	8.00	30
Perfluorohexanoic acid (PFHxA)	21.4	1.8		ng/L	18.03		119	70-130	17.7	30
11Cl-PF3OUdS (F53B Major)	16.2	1.8		ng/L	18.03		89.9	70-130	5.78	30
9Cl-PF3ONS (F53B Minor)	18.4	1.8		ng/L	18.03		102	70-130	6.67	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	19.6	1.8		ng/L	18.03		109	70-130	6.23	30
Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.8	1.8		ng/L	18.03		87.7	70-130	4.25	30
8:2 Fluorotelomersulfonic acid (8:2FTS A)	18.7	1.8		ng/L	18.03		104	70-130	7.70	30
Perfluorodecanoic acid (PFDA)	16.8	1.8		ng/L	18.03		93.2	70-130	4.11	30
Perfluorododecanoic acid (PFDoA)	16.6	1.8		ng/L	18.03		92.0	70-130	4.30	30
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEA)	16.7	1.8		ng/L	18.03		92.8	70-130	11.6	30
Perfluoroheptanesulfonic acid (PFHpS)	15.9	1.8		ng/L	18.03		88.2	70-130	7.15	30
4:2 Fluorotelomersulfonic acid (4:2FTS A)	18.9	1.8		ng/L	18.03		105	70-130	10.4	30
Perfluorohexanesulfonic acid (PFHxS)	18.0	1.8		ng/L	18.03		99.9	70-130	3.92	30
Perfluoro-4-oxapentanoic acid (PFMPA)	14.9	1.8		ng/L	18.03		82.5	70-130	5.16	30
Perfluoro-5-oxahexanoic acid (PFMBA)	12.8	1.8		ng/L	18.03		71.3	70-130	0.601	30
6:2 Fluorotelomersulfonic acid (6:2FTS A)	18.8	1.8		ng/L	18.03		105	70-130	1.08	30
Perfluoropentanesulfonic acid (PFPeS)	17.6	1.8		ng/L	18.03		97.8	70-130	4.10	30
Perfluoroundecanoic acid (PFUnA)	19.0	1.8		ng/L	18.03		105	70-130	12.0	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	15.4	1.8		ng/L	18.03		85.5	70-130	9.56	30
Perfluoroheptanoic acid (PFHpA)	17.4	1.8		ng/L	18.03		96.5	70-130	3.53	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 B403811 - EPA 533

LCS Dup (B403811-BSD1)

Prepared: 04/25/25 Analyzed: 04/28/25

Perfluorooctanoic acid (PFOA)	18.7	1.8		ng/L	18.03		104	70-130	7.39	30	
Perfluorooctanesulfonic acid (PFOS)	16.1	1.8		ng/L	18.03		89.5	70-130	3.57	30	
Perfluorononanoic acid (PFNA)	18.7	1.8		ng/L	18.03		104	70-130	7.91	30	
Surrogate: M2-4:2FTS	30.8			ng/L	33.82		91.2	50-200			
Surrogate: M2-8:2FTS	33.4			ng/L	34.61		96.6	50-200			
Surrogate: MPFBA	33.8			ng/L	36.05		93.8	50-200			
Surrogate: M3HFPO-DA	33.9			ng/L	36.05		94.2	50-200			
Surrogate: M6PFDA	30.5			ng/L	36.05		84.7	50-200			
Surrogate: M3PFBS	29.2			ng/L	33.60		87.0	50-200			
Surrogate: M7PFUnA	29.3			ng/L	36.05		81.4	50-200			
Surrogate: M2-6:2FTS	31.3			ng/L	34.29		91.3	50-200			
Surrogate: M5PFPeA	35.5			ng/L	36.05		98.4	50-200			
Surrogate: M5PFHxA	30.0			ng/L	36.05		83.3	50-200			
Surrogate: M3PFHxS	32.4			ng/L	34.18		94.8	50-200			
Surrogate: M4PFHpA	30.7			ng/L	36.05		85.2	50-200			
Surrogate: M8PFOA	29.8			ng/L	36.05		82.5	50-200			
Surrogate: M8PFOS	34.4			ng/L	34.57		99.5	50-200			
Surrogate: M9PFNA	31.6			ng/L	36.05		87.7	50-200			
Surrogate: MPFDoA	29.5			ng/L	36.05		81.9	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.
PF-18	Re-analysis confirmed Extracted Internal Standard failure due to matrix effects.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-29	Extracted Internal Standard is outside of control limits.

CERTIFICATIONS

Certified Analyses included in this Report

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

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	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
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

CHAIN OF CUSTODY RECORD (New York)

25D/095 KS
Phone: 413-525-2332
39 Spruce St
East Longmeadow, MA 01028

Pace Analytical
Contact: <https://www.pacelabs.com/contact-us/contact-environmental-sciences/>
Consultant: EAB

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 #:

Company Name: NYS DEC

Consultant Address: 225 ATLANTIC AVE PATERSON NY

Consultant Phone: 631-497-6400

Callout Project Name: ANG BASE SITE

Project Location: 351 MT AIRY RD. NEW WINDSOR NY

Callout Number: #151958

Site/Spill Number: #336089

Project Manager: IAN HOFMANN

Pace Analytical Quote Name/Number:

Invoice Recipient: IAN HOFMANN

Sampled By: EAB

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix Code

Conc Code

INFLUENT

EFFLUENT

DUPLICATE

MID

A-25

A-50

A-75

B-25

B-50

B-75

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Data Delivery

Format: PDF ☐ EXCEL ☐

Other:

CLP Like (Level 4) Data Pkg Required: ☐

Email To:

Fax To #:

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix Code

Conc Code

INFLUENT

EFFLUENT

DUPLICATE

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A-75

B-25

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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 #:

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

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Matrix Code

Conc Code

INFLUENT

EFFLUENT

DUPLICATE

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A-25

A-50

A-75

B-25

B-50

B-75

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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 #:

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

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Matrix Code

Conc Code

INFLUENT

EFFLUENT

DUPLICATE

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A-50

A-75

B-25

B-50

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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 #:

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix Code

Conc Code

INFLUENT

EFFLUENT

DUPLICATE

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Effective Date: 06/11/2024

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

Client EAR
Project ANG Base Site
MCP/RCP Required _____
Deliverable Package Requirement _____
Location 351 Mt. Airy Rd. New Windsor, NY
PWSID# (When Applicable) _____
Arrival Method:
Courier ☒ Fed Ex ☐ Walk In ☐ Other ☐
Received By / Date / Time AG 4-16-25 0140
Back-Sheet By / Date / Time SMW 4-16-25 1457
Temperature Method gun # 4
WV samples: Yes (see note*) / ☒ No (follow normal procedure)
Temp X < 6° C Actual Temperature 2.4
Rush Samples: Yes / ☒ No Notify _____
Short Hold: Yes / ☒ No Notify _____

	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 ☒	☐

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

Sample	Soils Jars (Circle Amb/Clear)				Ambers				Plastics							VOA Vials						Other / Fill in				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	Unpreserved	HCL	Sulfuric	Sulfuric	1 Liter	250mL	100mL	Unpreserved	Sulfuric	Unpreserved	Phosphoric	HCl	Unpreserved	Unpreserved	Unpreserved	Unpreserved	Unpreserved	Unpreserved	Unpreserved	Unpreserved	Unpreserved	Unpreserved
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DC# Title: ENV-FRM-ELON-0001 v08_Sample Receiving Checklist

Effective Date: 06/11/2024