NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
625 Broadway, 12th Floor, Albany, New York 12233-7011
P: (518) 402-9706 | F: (518) 402-9020
www.dec.ny.gov

March 29, 2022

Mr. George Meyers, Supervisor
Town of New Windsor
555 Union Avenue
New Windsor, New York 12553

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

Dear Supervisor Meyers:

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of analytical results derived from the **March 2,2022** sampling of the temporary granular activated carbon (GAC) water treatment system by DEC representatives that was installed at the Town of New Windsor (Town) Butterhill Wellfield located at 181 Forge Hill Road.

No PFOS or PFOA was detected in the Butterhill temporary GAC-treated water. Effective August 26, 2021, the NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

The samples were analyzed for polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). Data received for the PFAS analysis has been attached.

During this event, sampling for PFAS was conducted at 29 locations.

- pre-treatment (combined raw untreated water), which has a “BH20220302PRE-GAC” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20220302-1N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20220302-1N-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20220302-1N-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20220302-2N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20220302-2N-50” identifier in the Client Sample ID;

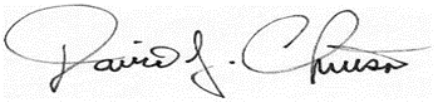
- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20220302-2N-75" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20220302-3N-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20220302-3N-50" identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20220302-3N-75" identifier in the Client Sample ID;
- Butterhill Well No.1 raw untreated water; which has a "BH20220302-1RAW" identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a "BH20220302-2RAW" identifier in the Client Sample ID;
- Butterhill Well No.3 raw untreated water; which has a "BH20220302-3RAW" identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a "BH20220302POST-GAC" identifier in the Client Sample ID.
- mid-treatment (after the first GAC canister in Pair Train No. 1 and prior to the second GAC canister in Pair Train No.1), which has a "BH20220302-1 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a "BH20220302-1 POST" identifier in the Client Sample ID;
- mid-treatment (after the first GAC canister in Pair Train No. 2 and prior to the second GAC canister in Pair Train No.2), which has a "BH20220302-2 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a "BH20220302-2 POST" identifier in the Client Sample ID;
- mid-treatment (after the first GAC canister in Pair Train No. 3 and prior to the second GAC canister in Pair Train No.3), which has a "BH20220302-3 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a "BH20220302-3 POST" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20220302-1S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20220302-1S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20220302-1S-75" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20220302-2S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20220302-2S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20220302-2S-75" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20220302-3S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20220302-3S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20220302-3S-75" identifier in the Client Sample ID;

The 29 locations sampled (and their associated identifiers) are depicted in Figure 1.

Please note that the next sampling event will be scheduled around June 2022.

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 Dana Bryant, P.E., Arcadis (DEC's Project Engineer) at (518) 250-7347 or dana.bryant@arcadis.com . For weekday or off hour / weekend emergency repair issues, please call DEC's contractor, Carl Aldrich of Aztech Environmental Services at (518) 470-3052 or Todd Rollend at (518) 365-3333. For questions regarding site-related health concerns, please contact Steve Gagnon of the Orange County DOH at (845) 291-2331 or Steve Gladding, P.E., Ph.D of the NYSDOH Bureau of Water Supply Protection at (518) 402-7650; email: steven.gladding@health.ny.gov .

Sincerely,



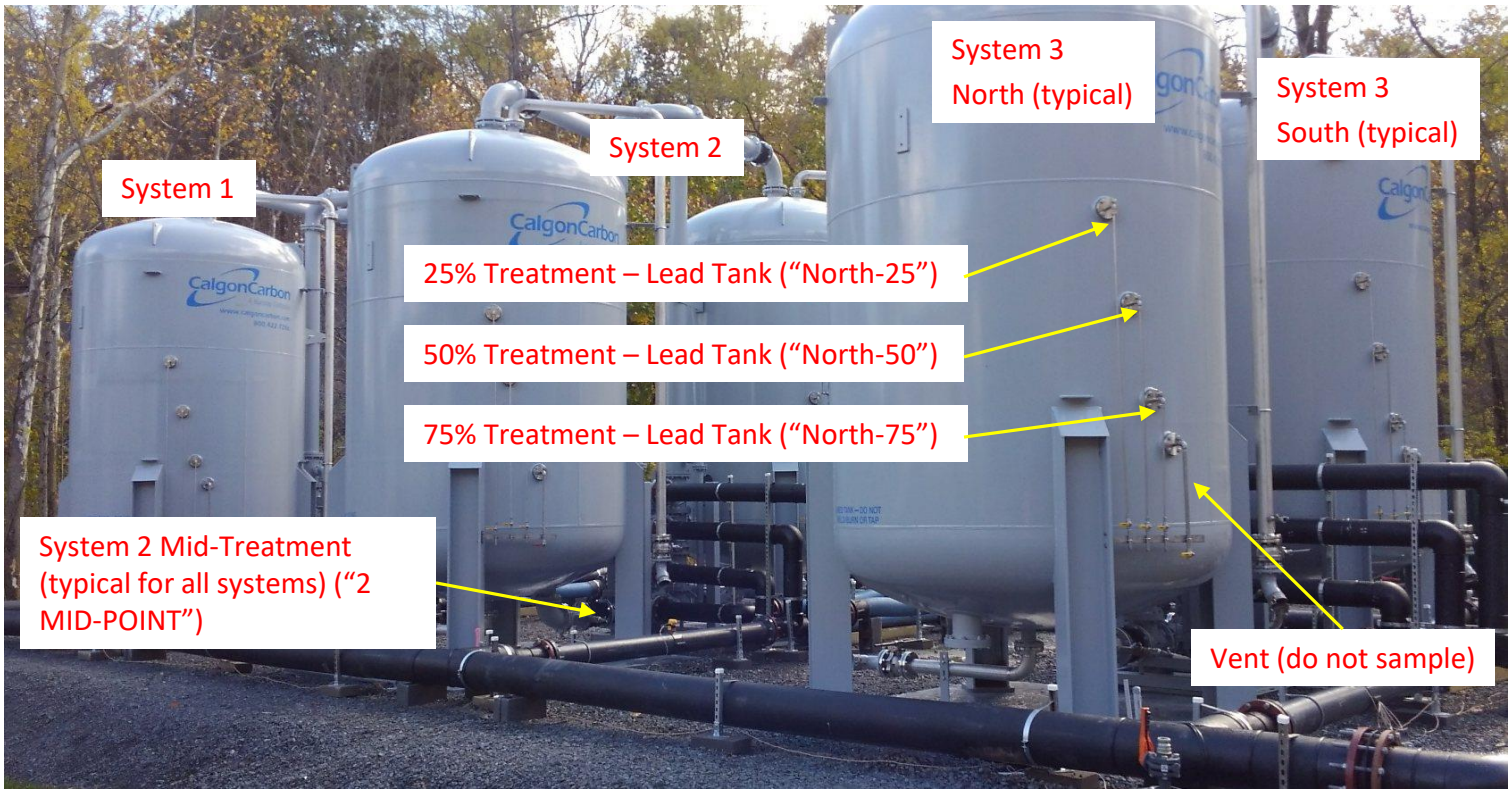
David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

Enclosures

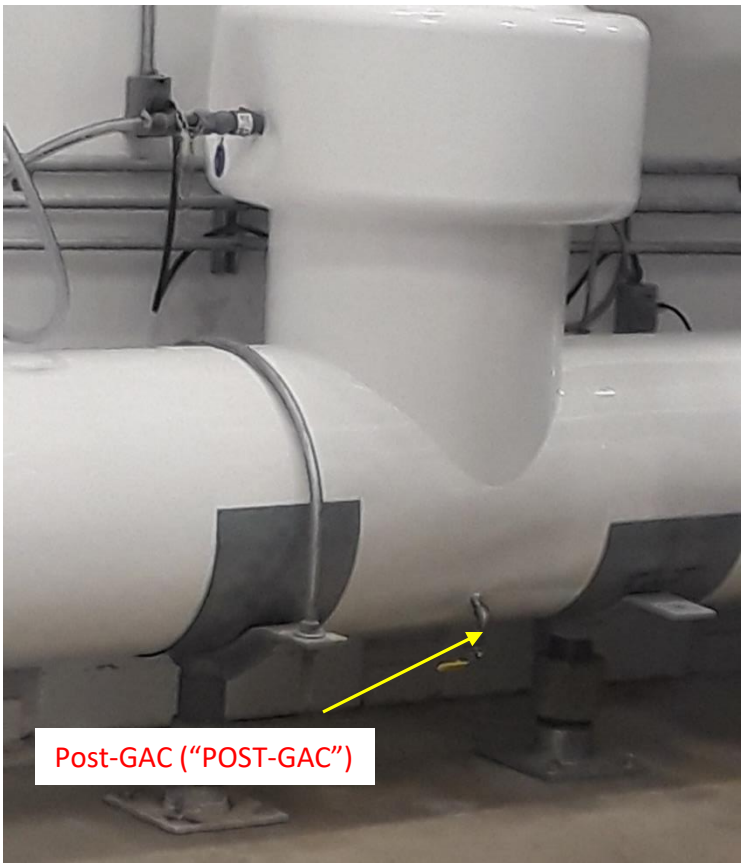
ec: w/enclosures
D. Zagon, Town of New Windsor
J. Egitto, Town of New Windsor
M. Weeks, MHE
Dr. Kim, NYSDOH
S. Gladding, NYSDOH
S. Gagnon, OCDOH
M. Andersen, OCDOH
D. Bryant, Arcadis
F. Fina, Aztech
M. Cruden, NYSDEC-DER
D. Bendell, Region 3 RHWRE

Figure 1
Sampling Locations

Butterhill Plant Temporary GAC Treatment System



Post-Filters, Pre-GAC ("PRE-GAC")



- 25%, 50%, 75% Treatment sample locations repeated on the current Lag "South" Tanks.
- Post-treatment samples for each individual System can be collected after each Lag Tank, mirrored sample location to MID-POINT sample location on Lead Tanks.

Town of New Windsor

Butterhill Wellfield Temporary GAC Operation and Maintenance PFOA and PFOS Sampling Results * (Parts Per Trillion (PPT))[1]

Date	Analyte	Well 1 Raw Water	Well 2 Raw Water	Well 3 Raw Water	Pre GAC Raw Water (Combined)	GAC Pair 1 Lead 25%(North)	GAC Pair 1 Lead 50%(North)	GAC Pair 1 Lead 75%(North)	GAC Pair 2 Lead 25% (North)	GAC Pair 2 Lead 50%(North)	GAC Pair 2 Lead 75%(North)	GAC Pair 3 Lead 25%(North)	GAC Pair 3 Lead 50%(North)	GAC Pair 3 Lead 75%(North)	Post GAC Treated Effluent	NYS MCLs[4]
December 2019 (Well 3)	PFOA	2.6	3.5	5.0	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
	PFOS	3.7	2.4	8.9	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
January 2020 (Well 2)	PFOA	2.4	3.5	3.9	3.3	ND	ND	ND	2.2	ND	ND	1.8	ND	ND	ND	10^4
	PFOS	3.3	2.4	7.7	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
February 2020 (Well 2)	PFOA	3.1	3.9	3.6	3.3	ND	ND	ND	2.7	ND	ND	2.3	ND	ND	ND	10^4
	PFOS	3.6	2.7	6.0	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
March 2020 (Well 1)	PFOA	2.5	2.9	2.9	2.5	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	10^4
	PFOS	3.6	2.8	5.4	3.3	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	10^4
April 2020 (Well 1)	PFOA	3.0	3.1	2.8	2.8	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	10^4
	PFOS	3.4	2.2	4.5	3.0	ND	ND	ND	2.0	ND	ND	ND	ND	ND	ND	10^4
May 2020 (Well 3)	PFOA	3.3	NS	3.7	3.1	2.3	ND	ND	2.7	1.8	ND	2.4	ND	ND	ND	10^4
	PFOS	3.8	NS	5.9	5.0	2.9	ND	ND	3.5	1.9	ND	3.0	ND	ND	ND	10^4
August 2020 (Well 3)	PFOA	2.5	2.7	4.3	4.4	4.1	2.8	ND	3.9	3.1	1.8	4.1	2.6	ND	ND	10^4
	PFOS	3.2	2.2	8.1	8.5	6.1	3.0	ND	6.2	3.5	ND	6.6	2.7	ND	ND	10^4
December 2020 (Well 3)	PFOA	NS[4]	3.2	4.5	4.4	ND[2]	ND	ND	1.8	ND	ND	2.0	ND	ND	ND	10^4
	PFOS	NS[4]	2.5	8.5	7.5	ND[2]	ND	ND	1.8	ND	ND	2.1	ND	ND	ND	10^4
March 2021 (Well 3)	PFOA	NS[4]	NS[4]	2.9	3.1	5.6	ND	ND	3.6	2.1	ND	2.5	ND	ND	ND	10^4
	PFOS	NS[4]	NS[4]	5.3	5.0	12.0	ND	ND	6.6	2.2	ND	4.3	2.1	ND	ND	10^4
June 2021 (Well 3)	PFOA	NS[4]	NS[4]	3.1	2.6	2.4	1.9	ND	2.5	2.0	ND	2.4	1.9	ND	ND	10^4
	PFOS	NS[4]	NS[4]	5.3	3.8	3.5	2.2	ND	4.4	2.5	ND	4.9	2.6	ND	ND	10^4
September 2021 (Well 1)	PFOA	ND	NS[4]	3.1	2.3	2.1	ND	ND	2.1	2.0	ND	2.1	ND	ND	ND	10^4
	PFOS	2.1	NS[4]	5.5	2.9	2.7	ND	ND	3.0	2.0	ND	3.0	1.9	ND	ND	10^4
December 2021 (Well 3**)[5]	PFOA	NS[4]	NS[4]	4.1	3.8	3.7	3.1	2.4	3.4	2.9	2.0	3.7	3.1	2.7	ND	10^4
	PFOS	NS[4]	NS[4]	7.8	6.6	5.8	3.7	2.3	5.9	4.3	2.3	5.4	4.5	3.1	ND	10^4
March 2022 (Well 2)**	PFOA	2.7	3.5	3.6	3.2	2.9	2.7	2.2	3.2	2.8	2.1	3.1	2.6	2.1	ND	10^4
	PFOS	2.9	3.3	4.2	2.9	2.7	2.1	ND	2.9	2.3	ND	2.6	2.3	ND	ND	10^4

Town of New Windsor

Butterhill Wellfield Temporary GAC Operation and Maintenance PFOA and PFOS Sampling Results * (Parts Per Trillion (PPT))Continued

Date	Analyte	GAC Pair 1 Mid-Point	GAC Pair 1 Post	GAC Pair 1 Lag 25%(South)	GAC Pair 1 Lag 50% (South)	GAC Pair 1 Lag 75%(South)	GAC Pair 2 Mid-Point	GAC Pair 2 Post	GAC Pair 2 Lag 25% (South)	GAC Pair 2 Lag 50%(South)	GAC Pair 2 Lag 75%(South)	GAC Pair 3 Mid-Point	GAC Pair 3 Post	GAC Pair 3 Lag 25%(South)	GAC Pair 3 Lag 50%(South)	GAC Pair 3 Lag 75%(South)	NYS MCLs[3]
February 2020 (Well 2)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
March 2020 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
April 2020 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
May 2020 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
August 2020 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
December 2020 (Well 3)	PFOA	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	**10^3**
	PFOS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	**10^3**
March 2021 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
June 2021 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
September 2021 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
December 2021 (Well 3)[5]**	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	**2.2**	ND	ND	**2.1**	ND	ND	ND	ND	**2.1**	ND	ND	ND	ND	**10^3**
March 2022 (Well 2)**	PFOA	ND	ND	ND	ND	ND	**1.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**

Notes:

* Method 533 List Analysis
** At the time of sampling (03/02/2022), Production Well 2 was running to the plant.

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. The NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.
4. NS: Not Sampled
5. Con-Test (a Pace Laboratory) began analyzing drinking water samples starting with December 2021 sampling event.

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 I 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).

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.

con-test®
A Pace Analytical® Laboratory

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

March 28, 2022

David Chiusano
NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: New Windsor, NY
Client Job Number:
Project Number: 30058345
Laboratory Work Order Number: 22C0229

Enclosed are results of analyses for samples as received by the laboratory on March 3, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Buttrick
Project Manager

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

NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: David Chiusano

REPORT DATE: 3/28/2022

PURCHASE ORDER NUMBER: 141586

PROJECT NUMBER: 30058345

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22C0229

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: New Windsor, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BH20220302-PRE-GAC	22C0229-01	Drinking Water		EPA 533	
BH20220302-POST-GAC	22C0229-02	Drinking Water		EPA 533	
BH20220302-POST-GAC DUP	22C0229-03	Drinking Water		EPA 533	
BH20220302-IN-25	22C0229-04	Drinking Water		EPA 533	
BH20220302-IN-50	22C0229-05	Drinking Water		EPA 533	
BH20220302-IN-75	22C0229-06	Drinking Water		EPA 533	
BH20220302-1 Midpoint	22C0229-07	Drinking Water		EPA 533	
BH20220302-1S-25	22C0229-08	Drinking Water		EPA 533	
BH20220302-1S-50	22C0229-09	Drinking Water		EPA 533	
BH20220302-1S-75	22C0229-10	Drinking Water		EPA 533	
BH20220302-2N-25	22C0229-11	Drinking Water		EPA 533	
BH20220302-1 Post	22C0229-12	Drinking Water		EPA 533	
BH20220302-2N-50	22C0229-13	Drinking Water		EPA 533	
BH20220302-2N-75	22C0229-14	Drinking Water		EPA 533	
BH20220302-2 Midpoint	22C0229-15	Drinking Water		EPA 533	
BH20220302-2S-25	22C0229-16	Drinking Water		EPA 533	
BH20220302-2S-50	22C0229-17	Drinking Water		EPA 533	
BH20220302-2S-75	22C0229-18	Drinking Water		EPA 533	
BH20220302-2 Post	22C0229-19	Drinking Water		EPA 533	
BH20220302-3N-25	22C0229-20	Drinking Water		EPA 533	
BH20220302-3N-50	22C0229-21	Drinking Water		EPA 533	
BH20220302-3N-75	22C0229-22	Drinking Water		EPA 533	
BH20220302-3 Midpoint	22C0229-23	Drinking Water		EPA 533	
BH20220302-3S-25	22C0229-24	Drinking Water		EPA 533	
BH20220302-3S-50	22C0229-25	Drinking Water		EPA 533	
BH20220302-3S-75	22C0229-26	Drinking Water		EPA 533	
BH20220302-3 Post	22C0229-27	Drinking Water		EPA 533	
BH20220302-1 Raw	22C0229-28	Drinking Water		EPA 533	
BH20220302-2 Raw	22C0229-29	Drinking Water		EPA 533	
BH20220302-3 Raw	22C0229-30	Drinking Water		EPA 533	
BH20220302-FRB	22C0229-31	Drinking Water		EPA 533	

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

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:

L-01

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Hexafluoropropylene oxide dimer a
B302658-BS1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Hexafluoropropylene oxide dimer a
B302658-MS1

Perfluorobutanoic acid (PFBA)
22C0229-02[BH20220302-POST-GAC], B302658-MS1

Z-01

Analyte detected at a concentration >1/3 MRL but less than reporting limit.

Analyte & Samples(s) Qualified:

6:2 Fluorotelomersulfonic acid (6:2
22C0229-31[BH20220302-FRB], B303157-BLK1

Z-01a

Sample re-extracted to confirm detections in "POST" sample. Both results reported.

Analyte & Samples(s) Qualified:

22C0229-27RE1[BH20220302-3 Post]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, 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

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

Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-PRE-GAC | Sampled: 3/2/2022 09:54

Sample ID: 22C0229-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.7	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorobutanesulfonic acid (PFBS)	2.2	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoropentanoic acid (PFPeA)	4.5	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorohexanoic acid (PFHxA)	2.7	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorohexanesulfonic acid (PFHxS)	3.1	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluoroheptanoic acid (PFHpA)	1.9	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorooctanoic acid (PFOA)	3.2	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorooctanesulfonic acid (PFOS)	2.9	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:04	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	73.8	50-200		3/21/22 15:04
M2-8:2FTS	81.3	50-200		3/21/22 15:04
MPFBA	103	50-200		3/21/22 15:04
M3HFPO-DA	94.6	50-200		3/21/22 15:04
M6PFDA	115	50-200		3/21/22 15:04
M3PFBS	112	50-200		3/21/22 15:04
M7PFUnA	117	50-200		3/21/22 15:04
M2-6:2FTS	86.4	50-200		3/21/22 15:04
M5PFPeA	118	50-200		3/21/22 15:04
M5PFHxA	108	50-200		3/21/22 15:04
M3PFHxS	112	50-200		3/21/22 15:04
M4PFHpA	106	50-200		3/21/22 15:04
M8PFOA	110	50-200		3/21/22 15:04
M8PFOS	107	50-200		3/21/22 15:04
M9PFNA	105	50-200		3/21/22 15:04
MPFDoA	111	50-200		3/21/22 15:04

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-POST-GAC

Sample ID: 22C0229-02 | Start Date/Time: 3/2/2022 9:55:00AM

Sample Matrix: Drinking Water | Stop Date/Time: 3/2/2022 10:02:00AM

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.0	1.8		ng/L	1	MS-22	EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoropentanoic acid (PFPeA)	3.3	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:11	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	74.1	50-200		3/21/22 15:11
M2-8:2FTS	101	50-200		3/21/22 15:11
MPFBA	104	50-200		3/21/22 15:11
M3HFPO-DA	88.7	50-200		3/21/22 15:11
M6PFDA	111	50-200		3/21/22 15:11
M3PFBS	116	50-200		3/21/22 15:11
M7PFUnA	111	50-200		3/21/22 15:11
M2-6:2FTS	93.6	50-200		3/21/22 15:11
M5PFPeA	113	50-200		3/21/22 15:11
M5PFHxA	101	50-200		3/21/22 15:11
M3PFHxS	117	50-200		3/21/22 15:11
M4PFHpA	99.9	50-200		3/21/22 15:11
M8PFOA	103	50-200		3/21/22 15:11
M8PFOS	108	50-200		3/21/22 15:11
M9PFNA	94.4	50-200		3/21/22 15:11
MPFDoA	105	50-200		3/21/22 15:11

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-POST-GAC DUP | Sampled: 3/2/2022 10:00

Sample ID: 22C0229-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.4	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoropentanoic acid (PFPeA)	3.4	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:25	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	69.6	50-200		3/21/22 15:25
M2-8:2FTS	93.9	50-200		3/21/22 15:25
MPFBA	97.9	50-200		3/21/22 15:25
M3HFPO-DA	74.9	50-200		3/21/22 15:25
M6PFDA	90.7	50-200		3/21/22 15:25
M3PFBS	111	50-200		3/21/22 15:25
M7PFUnA	98.7	50-200		3/21/22 15:25
M2-6:2FTS	87.9	50-200		3/21/22 15:25
M5PFPeA	103	50-200		3/21/22 15:25
M5PFHxA	94.5	50-200		3/21/22 15:25
M3PFHxS	110	50-200		3/21/22 15:25
M4PFHpA	89.9	50-200		3/21/22 15:25
M8PFOA	83.5	50-200		3/21/22 15:25
M8PFOS	108	50-200		3/21/22 15:25
M9PFNA	84.8	50-200		3/21/22 15:25
MPFDoA	92.5	50-200		3/21/22 15:25

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-IN-25 | Sampled: 3/2/2022 10:21

Sample ID: 22C0229-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.6	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorobutanesulfonic acid (PFBS)	2.1	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoropentanoic acid (PFPeA)	4.5	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorohexanoic acid (PFHxA)	2.5	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.8	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorooctanoic acid (PFOA)	2.9	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorooctanesulfonic acid (PFOS)	2.7	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:33	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	73.4	50-200		3/21/22 15:33
M2-8:2FTS	93.0	50-200		3/21/22 15:33
MPFBA	106	50-200		3/21/22 15:33
M3HFPO-DA	96.0	50-200		3/21/22 15:33
M6PFDA	111	50-200		3/21/22 15:33
M3PFBS	112	50-200		3/21/22 15:33
M7PFUnA	119	50-200		3/21/22 15:33
M2-6:2FTS	84.0	50-200		3/21/22 15:33
M5PFPeA	121	50-200		3/21/22 15:33
M5PFHxA	113	50-200		3/21/22 15:33
M3PFHxS	114	50-200		3/21/22 15:33
M4PFHpA	108	50-200		3/21/22 15:33
M8PFOA	111	50-200		3/21/22 15:33
M8PFOS	110	50-200		3/21/22 15:33
M9PFNA	110	50-200		3/21/22 15:33
MPFDoA	105	50-200		3/21/22 15:33

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-IN-50 | Sampled: 3/2/2022 10:22

Sample ID: 22C0229-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.6	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorobutanesulfonic acid (PFBS)	1.9	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoropentanoic acid (PFPeA)	4.4	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorohexanoic acid (PFHxA)	2.6	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.5	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorooctanoic acid (PFOA)	2.7	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorooctanesulfonic acid (PFOS)	2.1	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 15:40	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	68.2	50-200		3/21/22 15:40
M2-8:2FTS	87.5	50-200		3/21/22 15:40
MPFBA	101	50-200		3/21/22 15:40
M3HFPO-DA	90.2	50-200		3/21/22 15:40
M6PFDA	106	50-200		3/21/22 15:40
M3PFBS	105	50-200		3/21/22 15:40
M7PFUnA	115	50-200		3/21/22 15:40
M2-6:2FTS	78.4	50-200		3/21/22 15:40
M5PFPeA	114	50-200		3/21/22 15:40
M5PFHxA	107	50-200		3/21/22 15:40
M3PFHxS	103	50-200		3/21/22 15:40
M4PFHpA	105	50-200		3/21/22 15:40
M8PFOA	113	50-200		3/21/22 15:40
M8PFOS	102	50-200		3/21/22 15:40
M9PFNA	99.5	50-200		3/21/22 15:40
MPFDoA	104	50-200		3/21/22 15:40

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-IN-75 | Sampled: 3/2/2022 10:23

Sample ID: 22C0229-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoropentanoic acid (PFPeA)	4.5	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorohexanoic acid (PFHxA)	2.5	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.1	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorooctanoic acid (PFOA)	2.2	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 15:47	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	69.4	50-200		3/21/22 15:47
M2-8:2FTS	89.2	50-200		3/21/22 15:47
MPFBA	98.8	50-200		3/21/22 15:47
M3HFPO-DA	81.7	50-200		3/21/22 15:47
M6PFDA	96.0	50-200		3/21/22 15:47
M3PFBS	107	50-200		3/21/22 15:47
M7PFUnA	97.4	50-200		3/21/22 15:47
M2-6:2FTS	86.9	50-200		3/21/22 15:47
M5PFPeA	111	50-200		3/21/22 15:47
M5PFHxA	96.3	50-200		3/21/22 15:47
M3PFHxS	105	50-200		3/21/22 15:47
M4PFHpA	95.7	50-200		3/21/22 15:47
M8PFOA	91.6	50-200		3/21/22 15:47
M8PFOS	109	50-200		3/21/22 15:47
M9PFNA	87.3	50-200		3/21/22 15:47
MPFDoA	95.1	50-200		3/21/22 15:47

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-1 Midpoint | Sampled: 3/2/2022 10:25

Sample ID: 22C0229-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.6	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoropentanoic acid (PFPeA)	4.1	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorohexanoic acid (PFHxA)	2.3	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
9Cl-PF3ONS (F53B Major)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	2.1	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorooctanoic acid (PFOA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 15:54	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	75.1	50-200		3/21/22 15:54
M2-8:2FTS	94.5	50-200		3/21/22 15:54
MPFBA	104	50-200		3/21/22 15:54
M3HFPO-DA	87.9	50-200		3/21/22 15:54
M6PFDA	104	50-200		3/21/22 15:54
M3PFBS	113	50-200		3/21/22 15:54
M7PFUnA	111	50-200		3/21/22 15:54
M2-6:2FTS	121	50-200		3/21/22 15:54
M5PFPeA	118	50-200		3/21/22 15:54
M5PFHxA	106	50-200		3/21/22 15:54
M3PFHxS	107	50-200		3/21/22 15:54
M4PFHpA	105	50-200		3/21/22 15:54
M8PFOA	107	50-200		3/21/22 15:54
M8PFOS	109	50-200		3/21/22 15:54
M9PFNA	98.0	50-200		3/21/22 15:54
MPFDoA	106	50-200		3/21/22 15:54

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-1S-25 | Sampled: 3/2/2022 10:28

Sample ID: 22C0229-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoropentanoic acid (PFPeA)	4.4	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorohexanoic acid (PFHxA)	2.1	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:01	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	65.8	50-200		3/21/22 16:01
M2-8:2FTS	83.5	50-200		3/21/22 16:01
MPFBA	96.0	50-200		3/21/22 16:01
M3HFPO-DA	82.1	50-200		3/21/22 16:01
M6PFDA	94.2	50-200		3/21/22 16:01
M3PFBS	104	50-200		3/21/22 16:01
M7PFUnA	95.2	50-200		3/21/22 16:01
M2-6:2FTS	83.7	50-200		3/21/22 16:01
M5PFPeA	103	50-200		3/21/22 16:01
M5PFHxA	93.1	50-200		3/21/22 16:01
M3PFHxS	101	50-200		3/21/22 16:01
M4PFHpA	90.3	50-200		3/21/22 16:01
M8PFOA	98.2	50-200		3/21/22 16:01
M8PFOS	102	50-200		3/21/22 16:01
M9PFNA	91.7	50-200		3/21/22 16:01
MPFDoA	90.7	50-200		3/21/22 16:01

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-1S-50 | Sampled: 3/2/2022 10:30

Sample ID: 22C0229-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.5	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoropentanoic acid (PFPeA)	3.8	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 16:09	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	63.6	50-200		3/21/22 16:09
M2-8:2FTS	84.1	50-200		3/21/22 16:09
MPFBA	99.2	50-200		3/21/22 16:09
M3HFPO-DA	84.3	50-200		3/21/22 16:09
M6PFDA	99.4	50-200		3/21/22 16:09
M3PFBS	105	50-200		3/21/22 16:09
M7PFUnA	111	50-200		3/21/22 16:09
M2-6:2FTS	79.6	50-200		3/21/22 16:09
M5PFPeA	105	50-200		3/21/22 16:09
M5PFHxA	95.6	50-200		3/21/22 16:09
M3PFHxS	101	50-200		3/21/22 16:09
M4PFHpA	92.8	50-200		3/21/22 16:09
M8PFOA	99.7	50-200		3/21/22 16:09
M8PFOS	102	50-200		3/21/22 16:09
M9PFNA	98.4	50-200		3/21/22 16:09
MPFDoA	95.1	50-200		3/21/22 16:09

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-1S-75 | Sampled: 3/2/2022 10:32

Sample ID: 22C0229-10

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	14	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoropentanoic acid (PFPeA)	3.5	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 16:16	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	179	50-200		3/21/22 16:16
M2-8:2FTS	98.1	50-200		3/21/22 16:16
MPFBA	102	50-200		3/21/22 16:16
M3HFPO-DA	88.6	50-200		3/21/22 16:16
M6PFDA	90.8	50-200		3/21/22 16:16
M3PFBS	113	50-200		3/21/22 16:16
M7PFUnA	101	50-200		3/21/22 16:16
M2-6:2FTS	94.0	50-200		3/21/22 16:16
M5PFPeA	108	50-200		3/21/22 16:16
M5PFHxA	101	50-200		3/21/22 16:16
M3PFHxS	115	50-200		3/21/22 16:16
M4PFHpA	99.3	50-200		3/21/22 16:16
M8PFOA	93.1	50-200		3/21/22 16:16
M8PFOS	109	50-200		3/21/22 16:16
M9PFNA	86.9	50-200		3/21/22 16:16
MPFDoA	96.4	50-200		3/21/22 16:16

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2N-25 | Sampled: 3/2/2022 10:42

Sample ID: 22C0229-11

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.7	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorobutanesulfonic acid (PFBS)	2.0	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoropentanoic acid (PFPeA)	4.3	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorohexanoic acid (PFHxA)	2.6	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
9Cl-PF3ONS (F53B Major)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.8	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorooctanoic acid (PFOA)	3.2	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorooctanesulfonic acid (PFOS)	2.9	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	3/8/22	3/21/22 3:18	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	121	50-200		3/21/22 3:18
M2-8:2FTS	83.3	50-200		3/21/22 3:18
MPFBA	102	50-200		3/21/22 3:18
M3HFPO-DA	85.1	50-200		3/21/22 3:18
M6PFDA	101	50-200		3/21/22 3:18
M3PFBS	111	50-200		3/21/22 3:18
M7PFUnA	106	50-200		3/21/22 3:18
M2-6:2FTS	103	50-200		3/21/22 3:18
M5PFPeA	123	50-200		3/21/22 3:18
M5PFHxA	106	50-200		3/21/22 3:18
M3PFHxS	97.6	50-200		3/21/22 3:18
M4PFHpA	106	50-200		3/21/22 3:18
M8PFOA	94.3	50-200		3/21/22 3:18
M8PFOS	99.9	50-200		3/21/22 3:18
M9PFNA	85.9	50-200		3/21/22 3:18
MPFDoA	98.1	50-200		3/21/22 3:18

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-1 Post | Sampled: 3/2/2022 10:34

Sample ID: 22C0229-12

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.6	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoropentanoic acid (PFPeA)	3.6	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:26	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	67.9	50-200		3/21/22 3:26
M2-8:2FTS	68.3	50-200		3/21/22 3:26
MPFBA	87.9	50-200		3/21/22 3:26
M3HFPO-DA	87.8	50-200		3/21/22 3:26
M6PFDA	85.9	50-200		3/21/22 3:26
M3PFBS	103	50-200		3/21/22 3:26
M7PFUnA	91.5	50-200		3/21/22 3:26
M2-6:2FTS	92.0	50-200		3/21/22 3:26
M5PFPeA	93.9	50-200		3/21/22 3:26
M5PFHxA	94.5	50-200		3/21/22 3:26
M3PFHxS	96.9	50-200		3/21/22 3:26
M4PFHpA	94.1	50-200		3/21/22 3:26
M8PFOA	88.1	50-200		3/21/22 3:26
M8PFOS	88.9	50-200		3/21/22 3:26
M9PFNA	85.0	50-200		3/21/22 3:26
MPFDoA	98.1	50-200		3/21/22 3:26

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2N-50 | Sampled: 3/2/2022 10:44

Sample ID: 22C0229-13

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.1	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorobutanesulfonic acid (PFBS)	1.9	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoropentanoic acid (PFPeA)	4.4	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorohexanoic acid (PFHxA)	2.7	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.4	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorooctanoic acid (PFOA)	2.8	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorooctanesulfonic acid (PFOS)	2.3	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 3:33	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	80.3	50-200		3/21/22 3:33
M2-8:2FTS	76.9	50-200		3/21/22 3:33
MPFBA	96.1	50-200		3/21/22 3:33
M3HFPO-DA	81.8	50-200		3/21/22 3:33
M6PFDA	93.1	50-200		3/21/22 3:33
M3PFBS	116	50-200		3/21/22 3:33
M7PFUnA	92.7	50-200		3/21/22 3:33
M2-6:2FTS	83.4	50-200		3/21/22 3:33
M5PFPeA	113	50-200		3/21/22 3:33
M5PFHxA	98.3	50-200		3/21/22 3:33
M3PFHxS	113	50-200		3/21/22 3:33
M4PFHpA	98.4	50-200		3/21/22 3:33
M8PFOA	85.7	50-200		3/21/22 3:33
M8PFOS	107	50-200		3/21/22 3:33
M9PFNA	80.8	50-200		3/21/22 3:33
MPFDoA	96.2	50-200		3/21/22 3:33

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2N-75 | Sampled: 3/2/2022 10:46

Sample ID: 22C0229-14

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.0	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoropentanoic acid (PFPeA)	4.2	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorohexanoic acid (PFHxA)	2.6	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorooctanoic acid (PFOA)	2.1	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:40	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	68.2	50-200		3/21/22 3:40
M2-8:2FTS	76.1	50-200		3/21/22 3:40
MPFBA	90.0	50-200		3/21/22 3:40
M3HFPO-DA	82.5	50-200		3/21/22 3:40
M6PFDA	67.0	50-200		3/21/22 3:40
M3PFBS	102	50-200		3/21/22 3:40
M7PFUnA	79.1	50-200		3/21/22 3:40
M2-6:2FTS	76.4	50-200		3/21/22 3:40
M5PFPeA	102	50-200		3/21/22 3:40
M5PFHxA	90.2	50-200		3/21/22 3:40
M3PFHxS	94.3	50-200		3/21/22 3:40
M4PFHpA	85.1	50-200		3/21/22 3:40
M8PFOA	76.4	50-200		3/21/22 3:40
M8PFOS	91.4	50-200		3/21/22 3:40
M9PFNA	64.6	50-200		3/21/22 3:40
MPFDoA	82.3	50-200		3/21/22 3:40

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2 Midpoint | Sampled: 3/2/2022 10:47

Sample ID: 22C0229-15

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.7	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoropentanoic acid (PFPeA)	4.2	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorohexanoic acid (PFHxA)	2.4	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	12	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorooctanoic acid (PFOA)	1.9	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:47	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	76.6	50-200		3/21/22 3:47
M2-8:2FTS	86.1	50-200		3/21/22 3:47
MPFBA	95.1	50-200		3/21/22 3:47
M3HFPO-DA	80.6	50-200		3/21/22 3:47
M6PFDA	74.4	50-200		3/21/22 3:47
M3PFBS	108	50-200		3/21/22 3:47
M7PFUnA	88.7	50-200		3/21/22 3:47
M2-6:2FTS	87.5	50-200		3/21/22 3:47
M5PFPeA	108	50-200		3/21/22 3:47
M5PFHxA	95.5	50-200		3/21/22 3:47
M3PFHxS	105	50-200		3/21/22 3:47
M4PFHpA	88.4	50-200		3/21/22 3:47
M8PFOA	81.0	50-200		3/21/22 3:47
M8PFOS	94.7	50-200		3/21/22 3:47
M9PFNA	68.0	50-200		3/21/22 3:47
MPFDoA	89.2	50-200		3/21/22 3:47

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2S-25 | Sampled: 3/2/2022 10:51

Sample ID: 22C0229-16

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.5	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoropentanoic acid (PFPeA)	3.9	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 3:54	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	71.9	50-200		3/21/22 3:54
M2-8:2FTS	86.2	50-200		3/21/22 3:54
MPFBA	97.5	50-200		3/21/22 3:54
M3HFPO-DA	97.6	50-200		3/21/22 3:54
M6PFDA	94.6	50-200		3/21/22 3:54
M3PFBS	113	50-200		3/21/22 3:54
M7PFUnA	109	50-200		3/21/22 3:54
M2-6:2FTS	84.9	50-200		3/21/22 3:54
M5PFPeA	108	50-200		3/21/22 3:54
M5PFHxA	105	50-200		3/21/22 3:54
M3PFHxS	103	50-200		3/21/22 3:54
M4PFHpA	104	50-200		3/21/22 3:54
M8PFOA	94.8	50-200		3/21/22 3:54
M8PFOS	102	50-200		3/21/22 3:54
M9PFNA	89.6	50-200		3/21/22 3:54
MPFDoA	103	50-200		3/21/22 3:54

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2S-50 | Sampled: 3/2/2022 10:53

Sample ID: 22C0229-17

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.7	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoropentanoic acid (PFPeA)	3.8	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:02	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	68.6	50-200		3/21/22 4:02
M2-8:2FTS	74.3	50-200		3/21/22 4:02
MPFBA	91.4	50-200		3/21/22 4:02
M3HFPO-DA	81.9	50-200		3/21/22 4:02
M6PFDA	90.0	50-200		3/21/22 4:02
M3PFBS	104	50-200		3/21/22 4:02
M7PFUnA	95.5	50-200		3/21/22 4:02
M2-6:2FTS	79.6	50-200		3/21/22 4:02
M5PFPeA	100	50-200		3/21/22 4:02
M5PFHxA	95.2	50-200		3/21/22 4:02
M3PFHxS	99.4	50-200		3/21/22 4:02
M4PFHpA	93.6	50-200		3/21/22 4:02
M8PFOA	88.6	50-200		3/21/22 4:02
M8PFOS	86.8	50-200		3/21/22 4:02
M9PFNA	91.6	50-200		3/21/22 4:02
MPFDoA	91.4	50-200		3/21/22 4:02

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2S-75 | Sampled: 3/2/2022 10:55

Sample ID: 22C0229-18

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.5	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoropentanoic acid (PFPeA)	3.4	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/8/22	3/21/22 4:09	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	68.6	50-200		3/21/22 4:09
M2-8:2FTS	82.8	50-200		3/21/22 4:09
MPFBA	91.1	50-200		3/21/22 4:09
M3HFPO-DA	86.8	50-200		3/21/22 4:09
M6PFDA	93.4	50-200		3/21/22 4:09
M3PFBS	109	50-200		3/21/22 4:09
M7PFUnA	98.1	50-200		3/21/22 4:09
M2-6:2FTS	80.5	50-200		3/21/22 4:09
M5PFPeA	97.1	50-200		3/21/22 4:09
M5PFHxA	98.6	50-200		3/21/22 4:09
M3PFHxS	100	50-200		3/21/22 4:09
M4PFHpA	93.9	50-200		3/21/22 4:09
M8PFOA	86.8	50-200		3/21/22 4:09
M8PFOS	102	50-200		3/21/22 4:09
M9PFNA	77.7	50-200		3/21/22 4:09
MPFDoA	94.4	50-200		3/21/22 4:09

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2 Post | Sampled: 3/2/2022 10:56

Sample ID: 22C0229-19

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.2	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoropentanoic acid (PFPeA)	3.3	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorohexanoic acid (PFHxA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
9Cl-PF3ONS (F53B Major)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorodecanoic acid (PFDA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	2.4	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorooctanoic acid (PFOA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH
Perfluorononanoic acid (PFNA)	ND	2.2		ng/L	1		EPA 533	3/8/22	3/21/22 4:16	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	78.1	50-200		3/21/22 4:16
M2-8:2FTS	84.8	50-200		3/21/22 4:16
MPFBA	94.2	50-200		3/21/22 4:16
M3HFPO-DA	85.1	50-200		3/21/22 4:16
M6PFDA	89.3	50-200		3/21/22 4:16
M3PFBS	110	50-200		3/21/22 4:16
M7PFUnA	90.5	50-200		3/21/22 4:16
M2-6:2FTS	97.6	50-200		3/21/22 4:16
M5PFPeA	100	50-200		3/21/22 4:16
M5PFHxA	94.6	50-200		3/21/22 4:16
M3PFHxS	101	50-200		3/21/22 4:16
M4PFHpA	89.8	50-200		3/21/22 4:16
M8PFOA	84.8	50-200		3/21/22 4:16
M8PFOS	97.9	50-200		3/21/22 4:16
M9PFNA	83.9	50-200		3/21/22 4:16
MPFDoA	94.4	50-200		3/21/22 4:16

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3N-25 | Sampled: 3/2/2022 11:03

Sample ID: 22C0229-20

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.2	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorobutanesulfonic acid (PFBS)	2.0	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoropentanoic acid (PFPeA)	4.4	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorohexanoic acid (PFHxA)	2.6	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
9Cl-PF3ONS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.8	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorooctanoic acid (PFOA)	3.1	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorooctanesulfonic acid (PFOS)	2.6	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/8/22	3/21/22 4:23	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	84.2	50-200		3/21/22 4:23
M2-8:2FTS	88.1	50-200		3/21/22 4:23
MPFBA	104	50-200		3/21/22 4:23
M3HFPO-DA	85.3	50-200		3/21/22 4:23
M6PFDA	85.8	50-200		3/21/22 4:23
M3PFBS	119	50-200		3/21/22 4:23
M7PFUnA	104	50-200		3/21/22 4:23
M2-6:2FTS	88.5	50-200		3/21/22 4:23
M5PFPeA	123	50-200		3/21/22 4:23
M5PFHxA	104	50-200		3/21/22 4:23
M3PFHxS	114	50-200		3/21/22 4:23
M4PFHpA	98.1	50-200		3/21/22 4:23
M8PFOA	94.4	50-200		3/21/22 4:23
M8PFOS	107	50-200		3/21/22 4:23
M9PFNA	84.0	50-200		3/21/22 4:23
MPFDoA	108	50-200		3/21/22 4:23

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3N-50 | Sampled: 3/2/2022 11:05

Sample ID: 22C0229-21

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.8	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoropentanoic acid (PFPeA)	4.4	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorohexanoic acid (PFHxA)	2.6	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.7	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorooctanoic acid (PFOA)	2.6	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorooctanesulfonic acid (PFOS)	2.3	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:14	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	80.2	50-200		3/21/22 5:14
M2-8:2FTS	83.8	50-200		3/21/22 5:14
MPFBA	97.8	50-200		3/21/22 5:14
M3HFPO-DA	90.0	50-200		3/21/22 5:14
M6PFDA	83.4	50-200		3/21/22 5:14
M3PFBS	113	50-200		3/21/22 5:14
M7PFUnA	89.5	50-200		3/21/22 5:14
M2-6:2FTS	94.8	50-200		3/21/22 5:14
M5PFPeA	112	50-200		3/21/22 5:14
M5PFHxA	99.5	50-200		3/21/22 5:14
M3PFHxS	106	50-200		3/21/22 5:14
M4PFHpA	97.4	50-200		3/21/22 5:14
M8PFOA	96.1	50-200		3/21/22 5:14
M8PFOS	105	50-200		3/21/22 5:14
M9PFNA	82.9	50-200		3/21/22 5:14
MPFDoA	95.8	50-200		3/21/22 5:14

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3N-75 | Sampled: 3/2/2022 11:06

Sample ID: 22C0229-22

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.7	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoropentanoic acid (PFPeA)	4.1	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorohexanoic acid (PFHxA)	2.3	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorooctanoic acid (PFOA)	2.1	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:21	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	79.4	50-200		3/21/22 5:21
M2-8:2FTS	84.6	50-200		3/21/22 5:21
MPFBA	108	50-200		3/21/22 5:21
M3HFPO-DA	95.2	50-200		3/21/22 5:21
M6PFDA	103	50-200		3/21/22 5:21
M3PFBS	115	50-200		3/21/22 5:21
M7PFUnA	112	50-200		3/21/22 5:21
M2-6:2FTS	98.5	50-200		3/21/22 5:21
M5PFPeA	123	50-200		3/21/22 5:21
M5PFHxA	109	50-200		3/21/22 5:21
M3PFHxS	108	50-200		3/21/22 5:21
M4PFHpA	109	50-200		3/21/22 5:21
M8PFOA	104	50-200		3/21/22 5:21
M8PFOS	107	50-200		3/21/22 5:21
M9PFNA	98.3	50-200		3/21/22 5:21
MPFDoA	103	50-200		3/21/22 5:21

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3 Midpoint | Sampled: 3/2/2022 11:08

Sample ID: 22C0229-23

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.3	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoropentanoic acid (PFPeA)	3.5	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorohexanoic acid (PFHxA)	2.0	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:28	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	85.3	50-200		3/21/22 5:28
M2-8:2FTS	94.2	50-200		3/21/22 5:28
MPFBA	111	50-200		3/21/22 5:28
M3HFPO-DA	94.0	50-200		3/21/22 5:28
M6PFDA	99.8	50-200		3/21/22 5:28
M3PFBS	125	50-200		3/21/22 5:28
M7PFUnA	99.8	50-200		3/21/22 5:28
M2-6:2FTS	107	50-200		3/21/22 5:28
M5PFPeA	122	50-200		3/21/22 5:28
M5PFHxA	111	50-200		3/21/22 5:28
M3PFHxS	116	50-200		3/21/22 5:28
M4PFHpA	109	50-200		3/21/22 5:28
M8PFOA	100	50-200		3/21/22 5:28
M8PFOS	116	50-200		3/21/22 5:28
M9PFNA	86.0	50-200		3/21/22 5:28
MPFDoA	106	50-200		3/21/22 5:28

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3S-25 | Sampled: 3/2/2022 11:12

Sample ID: 22C0229-24

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.5	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoropentanoic acid (PFPeA)	3.8	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorohexanoic acid (PFHxA)	2.0	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:35	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	107	50-200		3/21/22 5:35
M2-8:2FTS	87.9	50-200		3/21/22 5:35
MPFBA	102	50-200		3/21/22 5:35
M3HFPO-DA	87.4	50-200		3/21/22 5:35
M6PFDA	70.4	50-200		3/21/22 5:35
M3PFBS	113	50-200		3/21/22 5:35
M7PFUnA	85.3	50-200		3/21/22 5:35
M2-6:2FTS	129	50-200		3/21/22 5:35
M5PFPeA	110	50-200		3/21/22 5:35
M5PFHxA	99.9	50-200		3/21/22 5:35
M3PFHxS	109	50-200		3/21/22 5:35
M4PFHpA	102	50-200		3/21/22 5:35
M8PFOA	89.3	50-200		3/21/22 5:35
M8PFOS	99.5	50-200		3/21/22 5:35
M9PFNA	70.3	50-200		3/21/22 5:35
MPFDoA	91.4	50-200		3/21/22 5:35

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3S-50 | Sampled: 3/2/2022 11:14

Sample ID: 22C0229-25

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.3	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoropentanoic acid (PFPeA)	3.6	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:42	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	79.9	50-200		3/21/22 5:42
M2-8:2FTS	84.1	50-200		3/21/22 5:42
MPFBA	98.3	50-200		3/21/22 5:42
M3HFPO-DA	88.7	50-200		3/21/22 5:42
M6PFDA	84.5	50-200		3/21/22 5:42
M3PFBS	121	50-200		3/21/22 5:42
M7PFUnA	91.2	50-200		3/21/22 5:42
M2-6:2FTS	95.7	50-200		3/21/22 5:42
M5PFPeA	106	50-200		3/21/22 5:42
M5PFHxA	96.2	50-200		3/21/22 5:42
M3PFHxS	118	50-200		3/21/22 5:42
M4PFHpA	93.1	50-200		3/21/22 5:42
M8PFOA	86.1	50-200		3/21/22 5:42
M8PFOS	105	50-200		3/21/22 5:42
M9PFNA	74.7	50-200		3/21/22 5:42
MPFDoA	96.2	50-200		3/21/22 5:42

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3S-75 | Sampled: 3/2/2022 11:16

Sample ID: 22C0229-26

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.3	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoropentanoic acid (PFPeA)	3.7	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:49	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	81.3	50-200		3/21/22 5:49
M2-8:2FTS	86.1	50-200		3/21/22 5:49
MPFBA	107	50-200		3/21/22 5:49
M3HFPO-DA	112	50-200		3/21/22 5:49
M6PFDA	106	50-200		3/21/22 5:49
M3PFBS	112	50-200		3/21/22 5:49
M7PFUnA	116	50-200		3/21/22 5:49
M2-6:2FTS	104	50-200		3/21/22 5:49
M5PFPeA	112	50-200		3/21/22 5:49
M5PFHxA	115	50-200		3/21/22 5:49
M3PFHxS	105	50-200		3/21/22 5:49
M4PFHpA	113	50-200		3/21/22 5:49
M8PFOA	108	50-200		3/21/22 5:49
M8PFOS	104	50-200		3/21/22 5:49
M9PFNA	104	50-200		3/21/22 5:49
MPFDoA	112	50-200		3/21/22 5:49

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3 Post | Sampled: 3/2/2022 11:18

Sample ID: 22C0229-27

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.8	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorobutanoic acid (PFBA)	4.6	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoropentanoic acid (PFPeA)	3.8	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluoropentanoic acid (PFPeA)	3.8	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	21	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	9.2	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3 Post | Sampled: 3/2/2022 11:18

Sample ID: 22C0229-27

Sample Matrix: Drinking Water

Sample Flags: Z-01a

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 5:57	BLH
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/24/22	3/28/22 11:13	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	94.4	50-200		3/21/22 5:57
M2-4:2FTS	81.3	50-200		3/28/22 11:13
M2-8:2FTS	99.5	50-200		3/21/22 5:57
M2-8:2FTS	102	50-200		3/28/22 11:13
MPFBA	89.5	50-200		3/21/22 5:57
MPFBA	90.2	50-200		3/28/22 11:13
M3HFPO-DA	81.6	50-200		3/21/22 5:57
M3HFPO-DA	96.8	50-200		3/28/22 11:13
M6PFDA	83.0	50-200		3/21/22 5:57
M6PFDA	90.3	50-200		3/28/22 11:13
M3PFBS	119	50-200		3/21/22 5:57
M3PFBS	99.8	50-200		3/28/22 11:13
M7PFUnA	94.7	50-200		3/21/22 5:57
M7PFUnA	111	50-200		3/28/22 11:13
M2-6:2FTS	89.1	50-200		3/28/22 11:13
M2-6:2FTS	128	50-200		3/21/22 5:57
M5PFPeA	92.6	50-200		3/21/22 5:57
M5PFPeA	101	50-200		3/28/22 11:13
M5PFHxA	84.7	50-200		3/21/22 5:57
M5PFHxA	107	50-200		3/28/22 11:13
M3PFHxS	110	50-200		3/21/22 5:57
M3PFHxS	85.5	50-200		3/28/22 11:13
M4PFHpA	84.0	50-200		3/21/22 5:57
M4PFHpA	98.2	50-200		3/28/22 11:13
M8PFOA	77.7	50-200		3/21/22 5:57
M8PFOA	91.4	50-200		3/28/22 11:13
M8PFOS	111	50-200		3/21/22 5:57
M8PFOS	85.9	50-200		3/28/22 11:13
M9PFNA	72.9	50-200		3/21/22 5:57
M9PFNA	84.6	50-200		3/28/22 11:13
MPFDoA	93.1	50-200		3/21/22 5:57
MPFDoA	107	50-200		3/28/22 11:13

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-1 Raw | Sampled: 3/2/2022 11:58

Sample ID: 22C0229-28

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.9	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorobutanesulfonic acid (PFBS)	2.7	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorohexanesulfonic acid (PFHxS)	2.8	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorooctanoic acid (PFOA)	2.7	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorooctanesulfonic acid (PFOS)	2.9	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:04	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	79.4	50-200		3/21/22 6:04
M2-8:2FTS	88.5	50-200		3/21/22 6:04
MPFBA	96.4	50-200		3/21/22 6:04
M3HFPO-DA	88.3	50-200		3/21/22 6:04
M6PFDA	96.5	50-200		3/21/22 6:04
M3PFBS	114	50-200		3/21/22 6:04
M7PFUnA	103	50-200		3/21/22 6:04
M2-6:2FTS	104	50-200		3/21/22 6:04
M5PFPeA	106	50-200		3/21/22 6:04
M5PFHxA	102	50-200		3/21/22 6:04
M3PFHxS	109	50-200		3/21/22 6:04
M4PFHpA	99.1	50-200		3/21/22 6:04
M8PFOA	94.0	50-200		3/21/22 6:04
M8PFOS	103	50-200		3/21/22 6:04
M9PFNA	79.0	50-200		3/21/22 6:04
MPFDoA	98.4	50-200		3/21/22 6:04

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-2 Raw | Sampled: 3/2/2022 11:45

Sample ID: 22C0229-29

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.0	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorobutanesulfonic acid (PFBS)	2.3	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoropentanoic acid (PFPeA)	4.5	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorohexanoic acid (PFHxA)	2.8	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorohexanesulfonic acid (PFHxS)	3.4	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorooctanoic acid (PFOA)	3.5	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorooctanesulfonic acid (PFOS)	3.3	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:11	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	77.1	50-200		3/21/22 6:11
M2-8:2FTS	76.1	50-200		3/21/22 6:11
MPFBA	101	50-200		3/21/22 6:11
M3HFPO-DA	99.8	50-200		3/21/22 6:11
M6PFDA	102	50-200		3/21/22 6:11
M3PFBS	108	50-200		3/21/22 6:11
M7PFUnA	109	50-200		3/21/22 6:11
M2-6:2FTS	94.7	50-200		3/21/22 6:11
M5PFPeA	117	50-200		3/21/22 6:11
M5PFHxA	105	50-200		3/21/22 6:11
M3PFHxS	103	50-200		3/21/22 6:11
M4PFHpA	101	50-200		3/21/22 6:11
M8PFOA	97.5	50-200		3/21/22 6:11
M8PFOS	101	50-200		3/21/22 6:11
M9PFNA	98.8	50-200		3/21/22 6:11
MPFDoA	98.1	50-200		3/21/22 6:11

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-3 Raw | Sampled: 3/2/2022 12:13

Sample ID: 22C0229-30

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.6	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoropentanoic acid (PFPeA)	6.2	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorohexanoic acid (PFHxA)	4.6	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorohexanesulfonic acid (PFHxS)	3.2	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluoroheptanoic acid (PFHpA)	2.4	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorooctanoic acid (PFOA)	3.6	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorooctanesulfonic acid (PFOS)	4.2	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:18	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	88.8	50-200		3/21/22 6:18
M2-8:2FTS	95.5	50-200		3/21/22 6:18
MPFBA	106	50-200		3/21/22 6:18
M3HFPO-DA	92.1	50-200		3/21/22 6:18
M6PFDA	96.7	50-200		3/21/22 6:18
M3PFBS	115	50-200		3/21/22 6:18
M7PFUnA	101	50-200		3/21/22 6:18
M2-6:2FTS	114	50-200		3/21/22 6:18
M5PFPeA	128	50-200		3/21/22 6:18
M5PFHxA	107	50-200		3/21/22 6:18
M3PFHxS	109	50-200		3/21/22 6:18
M4PFHpA	103	50-200		3/21/22 6:18
M8PFOA	96.5	50-200		3/21/22 6:18
M8PFOS	105	50-200		3/21/22 6:18
M9PFNA	93.3	50-200		3/21/22 6:18
MPFDoA	99.1	50-200		3/21/22 6:18

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22C0229

Date Received: 3/3/2022

Field Sample #: BH20220302-FRB | Sampled: 3/2/2022 10:20

Sample ID: 22C0229-31

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1	Z-01	EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/14/22	3/21/22 6:47	BLH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	97.5	50-200		3/21/22 6:47
M2-8:2FTS	108	50-200		3/21/22 6:47
MPFBA	108	50-200		3/21/22 6:47
M3HFPO-DA	108	50-200		3/21/22 6:47
M6PFDA	107	50-200		3/21/22 6:47
M3PFBS	116	50-200		3/21/22 6:47
M7PFUnA	118	50-200		3/21/22 6:47
M2-6:2FTS	116	50-200		3/21/22 6:47
M5PFPeA	102	50-200		3/21/22 6:47
M5PFHxA	110	50-200		3/21/22 6:47
M3PFHxS	114	50-200		3/21/22 6:47
M4PFHpA	112	50-200		3/21/22 6:47
M8PFOA	114	50-200		3/21/22 6:47
M8PFOS	104	50-200		3/21/22 6:47
M9PFNA	108	50-200		3/21/22 6:47
MPFDoA	109	50-200		3/21/22 6:47

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C0229-01 [BH20220302-PRE-GAC]	B302658	256	1.00	03/08/22
22C0229-02 [BH20220302-POST-GAC]	B302658	274	1.00	03/08/22
22C0229-03 [BH20220302-POST-GAC DUP]	B302658	267	1.00	03/08/22
22C0229-04 [BH20220302-IN-25]	B302658	271	1.00	03/08/22
22C0229-05 [BH20220302-IN-50]	B302658	270	1.00	03/08/22
22C0229-06 [BH20220302-IN-75]	B302658	263	1.00	03/08/22
22C0229-07 [BH20220302-1 Midpoint]	B302658	287	1.00	03/08/22
22C0229-08 [BH20220302-1S-25]	B302658	258	1.00	03/08/22
22C0229-09 [BH20220302-1S-50]	B302658	269	1.00	03/08/22
22C0229-10 [BH20220302-1S-75]	B302658	277	1.00	03/08/22
22C0229-11 [BH20220302-2N-25]	B302658	286	1.00	03/08/22
22C0229-12 [BH20220302-1 Post]	B302658	274	1.00	03/08/22
22C0229-13 [BH20220302-2N-50]	B302658	271	1.00	03/08/22
22C0229-14 [BH20220302-2N-75]	B302658	268	1.00	03/08/22
22C0229-15 [BH20220302-2 Midpoint]	B302658	265	1.00	03/08/22
22C0229-16 [BH20220302-2S-25]	B302658	264	1.00	03/08/22
22C0229-17 [BH20220302-2S-50]	B302658	265	1.00	03/08/22
22C0229-18 [BH20220302-2S-75]	B302658	264	1.00	03/08/22
22C0229-19 [BH20220302-2 Post]	B302658	231	1.00	03/08/22
22C0229-20 [BH20220302-3N-25]	B302658	272	1.00	03/08/22

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C0229-21 [BH20220302-3N-50]	B303157	250	1.00	03/14/22
22C0229-22 [BH20220302-3N-75]	B303157	250	1.00	03/14/22
22C0229-23 [BH20220302-3 Midpoint]	B303157	250	1.00	03/14/22
22C0229-24 [BH20220302-3S-25]	B303157	250	1.00	03/14/22
22C0229-25 [BH20220302-3S-50]	B303157	250	1.00	03/14/22
22C0229-26 [BH20220302-3S-75]	B303157	250	1.00	03/14/22
22C0229-27 [BH20220302-3 Post]	B303157	250	1.00	03/14/22
22C0229-28 [BH20220302-1 Raw]	B303157	250	1.00	03/14/22
22C0229-29 [BH20220302-2 Raw]	B303157	250	1.00	03/14/22
22C0229-30 [BH20220302-3 Raw]	B303157	250	1.00	03/14/22
22C0229-31 [BH20220302-FRB]	B303157	250	1.00	03/14/22

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22C0229-27RE1 [BH20220302-3 Post]	B303626	264	1.00	03/24/22

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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
Batch B302658 - EPA 533											
Blank (B302658-BLK1)					Prepared: 03/08/22 Analyzed: 03/21/22						
Perfluorobutanoic acid (PFBA)	ND	2.0		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L							
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L							
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L							
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0		ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0		ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L							
Surrogate: M2-4:2FTS	*33.3*			ng/L	36.6		90.9	50-200			
Surrogate: M2-8:2FTS	*41.0*			ng/L	37.5		109	50-200			
Surrogate: MPFBA	*40.7*			ng/L	39.1		104	50-200			
Surrogate: M3HFPO-DA	*39.3*			ng/L	39.1		100	50-200			
Surrogate: M6PFDA	*46.7*			ng/L	39.1		120	50-200			
Surrogate: M3PFBS	*40.3*			ng/L	36.4		111	50-200			
Surrogate: M7PFUnA	*45.3*			ng/L	39.1		116	50-200			
Surrogate: M2-6:2FTS	*34.0*			ng/L	37.1		91.4	50-200			
Surrogate: M5PFPeA	*39.5*			ng/L	39.1		101	50-200			
Surrogate: M5PFHxA	*43.4*			ng/L	39.1		111	50-200			
Surrogate: M3PFHxS	*40.8*			ng/L	37.0		110	50-200			
Surrogate: M4PFHpA	*43.0*			ng/L	39.1		110	50-200			
Surrogate: M8PFOA	*43.4*			ng/L	39.1		111	50-200			
Surrogate: M8PFOS	*41.2*			ng/L	37.5		110	50-200			
Surrogate: M9PFNA	*43.5*			ng/L	39.1		111	50-200			
Surrogate: MPFDoA	*43.3*			ng/L	39.1		111	50-200			
LCS (B302658-BS1)					Prepared: 03/08/22 Analyzed: 03/21/22						
Perfluorobutanoic acid (PFBA)	2.13	1.9		ng/L	1.89		112	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.86	1.9		ng/L	1.68		111	50-150			
Perfluoropentanoic acid (PFPeA)	2.21	1.9		ng/L	1.89		117	50-150			
Perfluorohexanoic acid (PFHxA)	2.26	1.9		ng/L	1.89		119	50-150			
11Cl-PF3OUdS (F53B Minor)	1.71	1.9		ng/L	1.78		95.8	50-150			

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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
Batch B302658 - EPA 533												
LCS (B302658-BS1)					Prepared: 03/08/22 Analyzed: 03/21/22							
9Cl-PF3ONS (F53B Major)	2.34	1.9		ng/L	1.76		132		50-150			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.69	1.9		ng/L	1.78		95.0		50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.95	1.9		ng/L	1.89		**156**	*	50-150			L-01
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.96	1.9		ng/L	1.82		108		50-150			
Perfluorodecanoic acid (PFDA)	2.12	1.9		ng/L	1.89		112		50-150			
Perfluorododecanoic acid (PFDoA)	1.57	1.9		ng/L	1.89		83.2		50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.64	1.9		ng/L	1.69		97.4		50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.98	1.9		ng/L	1.81		110		50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	2.18	1.9		ng/L	1.77		123		50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.99	1.9		ng/L	1.73		115		50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	2.15	1.9		ng/L	1.89		114		50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	2.07	1.9		ng/L	1.89		109		50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.16	1.9		ng/L	1.80		120		50-150			
Perfluoropetanesulfonic acid (PFPeS)	2.11	1.9		ng/L	1.78		119		50-150			
Perfluoroundecanoic acid (PFUnA)	1.99	1.9		ng/L	1.89		105		50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.06	1.9		ng/L	1.89		109		50-150			
Perfluoroheptanoic acid (PFHpA)	2.10	1.9		ng/L	1.89		111		50-150			
Perfluorooctanoic acid (PFOA)	2.30	1.9		ng/L	1.89		121		50-150			
Perfluorooctanesulfonic acid (PFOS)	1.96	1.9		ng/L	1.75		112		50-150			
Perfluorononanoic acid (PFNA)	1.96	1.9		ng/L	1.89		104		50-150			
Surrogate: M2-4:2FTS	*29.0*			ng/L	35.5		81.7		50-200			
Surrogate: M2-8:2FTS	*34.8*			ng/L	36.4		95.8		50-200			
Surrogate: MPFBA	*39.5*			ng/L	37.9		104		50-200			
Surrogate: M3HFPO-DA	*36.9*			ng/L	37.9		97.4		50-200			
Surrogate: M6PFDA	*43.8*			ng/L	37.9		116		50-200			
Surrogate: M3PFBS	*35.7*			ng/L	35.3		101		50-200			
Surrogate: M7PFUnA	*41.9*			ng/L	37.9		111		50-200			
Surrogate: M2-6:2FTS	*31.7*			ng/L	36.0		88.0		50-200			
Surrogate: M5PFPeA	*38.3*			ng/L	37.9		101		50-200			
Surrogate: M5PFHxA	*41.0*			ng/L	37.9		108		50-200			
Surrogate: M3PFHxS	*35.1*			ng/L	35.9		97.6		50-200			
Surrogate: M4PFHpA	*42.1*			ng/L	37.9		111		50-200			
Surrogate: M8PFOA	*41.4*			ng/L	37.9		109		50-200			
Surrogate: M8PFOS	*34.7*			ng/L	36.3		95.4		50-200			
Surrogate: M9PFNA	*40.3*			ng/L	37.9		107		50-200			
Surrogate: MPFDoA	*39.1*			ng/L	37.9		103		50-200			
Matrix Spike (B302658-MS1)		**Source: 22C0229-02**			Prepared: 03/08/22 Analyzed: 03/21/22							
Perfluorobutanoic acid (PFBA)	7.02	2.0		ng/L	1.96	3.97	**156**	*	50-150			MS-22
Perfluorobutanesulfonic acid (PFBS)	2.41	2.0		ng/L	1.74	0.543	108		50-150			
Perfluoropentanoic acid (PFPeA)	5.68	2.0		ng/L	1.96	3.34	120		50-150			
Perfluorohexanoic acid (PFHxA)	3.65	2.0		ng/L	1.96	1.44	113		50-150			
11Cl-PF3OUdS (F53B Minor)	1.70	2.0		ng/L	1.85	ND	92.0		50-150			
9Cl-PF3ONS (F53B Major)	2.12	2.0		ng/L	1.83	ND	116		50-150			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.66	2.0		ng/L	1.85	ND	90.0		50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	3.13	2.0		ng/L	1.96	ND	**159**	*	50-150			MS-22
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.09	2.0		ng/L	1.88	ND	111		50-150			

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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
Batch B302658 - EPA 533											
Matrix Spike (B302658-MS1)	**Source: 22C0229-02**				Prepared: 03/08/22 Analyzed: 03/21/22						
Perfluorodecanoic acid (PFDA)	2.08	2.0		ng/L	1.96	ND	106	50-150			
Perfluorododecanoic acid (PFDoA)	1.61	2.0		ng/L	1.96	ND	82.2	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.60	2.0		ng/L	1.75	ND	91.6	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.92	2.0		ng/L	1.87	ND	102	50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	2.12	2.0		ng/L	1.83	ND	116	50-150			
Perfluorohexanesulfonic acid (PFHxS)	2.42	2.0		ng/L	1.79	ND	135	50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	2.28	2.0		ng/L	1.96	ND	116	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	2.01	2.0		ng/L	1.96	ND	103	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.01	2.0		ng/L	1.86	ND	108	50-150			
Perfluoropetanesulfonic acid (PFPeS)	2.03	2.0		ng/L	1.84	ND	110	50-150			
Perfluoroundecanoic acid (PFUnA)	1.94	2.0		ng/L	1.96	ND	98.8	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.05	2.0		ng/L	1.96	ND	104	50-150			
Perfluoroheptanoic acid (PFHpA)	2.69	2.0		ng/L	1.96	0.530	110	50-150			
Perfluorooctanoic acid (PFOA)	2.44	2.0		ng/L	1.96	0.586	94.8	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.88	2.0		ng/L	1.81	ND	104	50-150			
Perfluorononanoic acid (PFNA)	1.90	2.0		ng/L	1.96	ND	97.0	50-150			
Surrogate: M2-4:2FTS	*24.2*			ng/L	36.8		65.9	50-200			
Surrogate: M2-8:2FTS	*30.6*			ng/L	37.6		81.3	50-200			
Surrogate: MPFBA	*38.3*			ng/L	39.2		97.7	50-200			
Surrogate: M3HFPO-DA	*35.3*			ng/L	39.2		90.1	50-200			
Surrogate: M6PFDA	*39.6*			ng/L	39.2		101	50-200			
Surrogate: M3PFBS	*38.5*			ng/L	36.5		105	50-200			
Surrogate: M7PFUnA	*40.1*			ng/L	39.2		102	50-200			
Surrogate: M2-6:2FTS	*29.5*			ng/L	37.3		79.1	50-200			
Surrogate: M5PFPeA	*40.5*			ng/L	39.2		103	50-200			
Surrogate: M5PFHxA	*38.9*			ng/L	39.2		99.1	50-200			
Surrogate: M3PFHxS	*38.6*			ng/L	37.2		104	50-200			
Surrogate: M4PFHpA	*37.1*			ng/L	39.2		94.5	50-200			
Surrogate: M8PFOA	*41.9*			ng/L	39.2		107	50-200			
Surrogate: M8PFOS	*38.0*			ng/L	37.6		101	50-200			
Surrogate: M9PFNA	*35.6*			ng/L	39.2		90.7	50-200			
Surrogate: MPFDoA	*37.2*			ng/L	39.2		94.9	50-200			
Matrix Spike Dup (B302658-MSD1)	**Source: 22C0229-02**				Prepared: 03/08/22 Analyzed: 03/21/22						
Perfluorobutanoic acid (PFBA)	6.62	1.9		ng/L	1.88	3.97	141	50-150	5.83	50	
Perfluorobutanesulfonic acid (PFBS)	2.14	1.9		ng/L	1.67	0.543	95.7	50-150	12.0	50	
Perfluoropentanoic acid (PFPeA)	5.44	1.9		ng/L	1.88	3.34	112	50-150	4.31	50	
Perfluorohexanoic acid (PFHxA)	3.31	1.9		ng/L	1.88	1.44	98.9	50-150	9.95	50	
11Cl-PF3OUdS (F53B Minor)	1.76	1.9		ng/L	1.77	ND	99.4	50-150	3.71	50	
9Cl-PF3ONS (F53B Major)	1.91	1.9		ng/L	1.76	ND	109	50-150	10.3	50	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	1.42	1.9		ng/L	1.77	ND	80.3	50-150	15.4	50	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.70	1.9		ng/L	1.88	ND	143	50-150	14.7	50	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.56	1.9		ng/L	1.81	ND	86.4	50-150	29.0	50	
Perfluorodecanoic acid (PFDA)	1.73	1.9		ng/L	1.88	ND	91.8	50-150	18.2	50	
Perfluorododecanoic acid (PFDoA)	1.46	1.9		ng/L	1.88	ND	77.3	50-150	10.2	50	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.40	1.9		ng/L	1.68	ND	83.8	50-150	12.9	50	
Perfluoroheptanesulfonic acid (PFHpS)	1.85	1.9		ng/L	1.80	ND	103	50-150	3.53	50	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.87	1.9		ng/L	1.76	ND	106	50-150	12.6	50	

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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
Batch B302658 - EPA 533											
Matrix Spike Dup (B302658-MSD1)	**Source: 22C0229-02**				Prepared: 03/08/22 Analyzed: 03/21/22						
Perfluorohexanesulfonic acid (PFHxS)	2.07	1.9		ng/L	1.72	ND	120	50-150	15.2	50	
Perfluoro-4-oxapentanoic acid (PFMPA)	2.00	1.9		ng/L	1.88	ND	106	50-150	13.3	50	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.84	1.9		ng/L	1.88	ND	97.4	50-150	9.06	50	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.89	1.9		ng/L	1.79	ND	105	50-150	6.31	50	
Perfluoropetanesulfonic acid (PFPeS)	1.96	1.9		ng/L	1.77	ND	111	50-150	3.68	50	
Perfluoroundecanoic acid (PFUnA)	1.81	1.9		ng/L	1.88	ND	95.9	50-150	6.96	50	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.74	1.9		ng/L	1.88	ND	92.6	50-150	16.1	50	
Perfluoroheptanoic acid (PFHpA)	2.25	1.9		ng/L	1.88	0.530	91.1	50-150	18.1	50	
Perfluorooctanoic acid (PFOA)	2.34	1.9		ng/L	1.88	0.586	93.3	50-150	4.24	50	
Perfluorooctanesulfonic acid (PFOS)	2.03	1.9		ng/L	1.74	ND	116	50-150	7.48	50	
Perfluorononanoic acid (PFNA)	1.60	1.9		ng/L	1.88	ND	85.0	50-150	17.1	50	
Surrogate: M2-4:2FTS	*23.6*			ng/L	35.3		66.8	50-200			
Surrogate: M2-8:2FTS	*32.5*			ng/L	36.2		89.7	50-200			
Surrogate: MPFBA	*38.1*			ng/L	37.7		101	50-200			
Surrogate: M3HFPO-DA	*32.4*			ng/L	37.7		86.1	50-200			
Surrogate: M6PFDA	*34.2*			ng/L	37.7		90.9	50-200			
Surrogate: M3PFBS	*38.0*			ng/L	35.1		108	50-200			
Surrogate: M7PFUnA	*35.8*			ng/L	37.7		94.9	50-200			
Surrogate: M2-6:2FTS	*28.0*			ng/L	35.8		78.1	50-200			
Surrogate: M5PFPeA	*39.3*			ng/L	37.7		104	50-200			
Surrogate: M5PFHxA	*36.2*			ng/L	37.7		96.2	50-200			
Surrogate: M3PFHxS	*37.1*			ng/L	35.7		104	50-200			
Surrogate: M4PFHpA	*36.1*			ng/L	37.7		95.8	50-200			
Surrogate: M8PFOA	*34.4*			ng/L	37.7		91.3	50-200			
Surrogate: M8PFOS	*36.2*			ng/L	36.1		100	50-200			
Surrogate: M9PFNA	*31.4*			ng/L	37.7		83.5	50-200			
Surrogate: MPFDoA	*33.0*			ng/L	37.7		87.5	50-200			
Batch B303157 - EPA 533											
Blank (B303157-BLK1)					Prepared: 03/14/22 Analyzed: 03/21/22						
Perfluorobutanoic acid (PFBA)	ND	2.0		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L							
11Cl-PF3OUdS (F53B Minor)	ND	2.0		ng/L							
9Cl-PF3ONS (F53B Major)	ND	2.0		ng/L							
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0		ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0		ng/L							Z-01

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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
Batch B303157 - EPA 533											
Blank (B303157-BLK1)					Prepared: 03/14/22 Analyzed: 03/21/22						
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L							
Surrogate: M2-4:2FTS	*39.0*			ng/L	37.5		104	50-200			
Surrogate: M2-8:2FTS	*43.3*			ng/L	38.4		113	50-200			
Surrogate: MPFBA	*44.0*			ng/L	40.0		110	50-200			
Surrogate: M3HFPO-DA	*40.6*			ng/L	40.0		101	50-200			
Surrogate: M6PFDA	*45.3*			ng/L	40.0		113	50-200			
Surrogate: M3PFBS	*47.0*			ng/L	37.3		126	50-200			
Surrogate: M7PFUnA	*46.4*			ng/L	40.0		116	50-200			
Surrogate: M2-6:2FTS	*39.7*			ng/L	38.0		104	50-200			
Surrogate: M5PFPeA	*43.0*			ng/L	40.0		107	50-200			
Surrogate: M5PFHxA	*45.6*			ng/L	40.0		114	50-200			
Surrogate: M3PFHxS	*46.6*			ng/L	37.9		123	50-200			
Surrogate: M4PFHpA	*46.0*			ng/L	40.0		115	50-200			
Surrogate: M8PFOA	*43.5*			ng/L	40.0		109	50-200			
Surrogate: M8PFOS	*46.7*			ng/L	38.4		122	50-200			
Surrogate: M9PFNA	*44.3*			ng/L	40.0		111	50-200			
Surrogate: MPFDoA	*44.7*			ng/L	40.0		112	50-200			
LCS (B303157-BS1)					Prepared: 03/14/22 Analyzed: 03/21/22						
Perfluorobutanoic acid (PFBA)	17.9	2.0		ng/L	20.0		89.7	70-130			
Perfluorobutanesulfonic acid (PFBS)	15.4	2.0		ng/L	17.7		87.2	70-130			
Perfluoropentanoic acid (PFPeA)	17.6	2.0		ng/L	20.0		87.9	70-130			
Perfluorohexanoic acid (PFHxA)	18.1	2.0		ng/L	20.0		90.7	70-130			
11Cl-PF3OUdS (F53B Minor)	16.2	2.0		ng/L	18.8		86.2	70-130			
9Cl-PF3ONS (F53B Major)	17.4	2.0		ng/L	18.6		93.6	70-130			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	13.3	2.0		ng/L	18.8		70.8	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	16.6	2.0		ng/L	20.0		83.1	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	17.1	2.0		ng/L	19.2		89.3	70-130			
Perfluorodecanoic acid (PFDA)	16.7	2.0		ng/L	20.0		83.4	70-130			
Perfluorododecanoic acid (PFDoA)	15.0	2.0		ng/L	20.0		74.9	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	15.2	2.0		ng/L	17.8		85.5	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	16.9	2.0		ng/L	19.1		88.7	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	18.3	2.0		ng/L	18.7		97.6	70-130			
Perfluorohexanesulfonic acid (PFHxS)	15.5	2.0		ng/L	18.3		84.8	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	17.4	2.0		ng/L	20.0		87.1	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	17.0	2.0		ng/L	20.0		84.8	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	19.3	2.0		ng/L	19.0		101	70-130			
Perfluoropetanesulfonic acid (PFPeS)	17.0	2.0		ng/L	18.8		90.4	70-130			
Perfluoroundecanoic acid (PFUnA)	16.3	2.0		ng/L	20.0		81.5	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	16.2	2.0		ng/L	20.0		80.9	70-130			
Perfluoroheptanoic acid (PFHpA)	17.4	2.0		ng/L	20.0		87.1	70-130			
Perfluorooctanoic acid (PFOA)	16.6	2.0		ng/L	20.0		82.8	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
Batch B303157 - EPA 533											
LCS (B303157-BS1)					Prepared: 03/14/22 Analyzed: 03/21/22						
Perfluorooctanesulfonic acid (PFOS)	15.8	2.0		ng/L	18.5		85.5	70-130			
Perfluorononanoic acid (PFNA)	15.9	2.0		ng/L	20.0		79.3	70-130			
Surrogate: M2-4:2FTS	*37.8*			ng/L	37.5		101	50-200			
Surrogate: M2-8:2FTS	*40.8*			ng/L	38.4		106	50-200			
Surrogate: MPFBA	*44.5*			ng/L	40.0		111	50-200			
Surrogate: M3HFPO-DA	*41.5*			ng/L	40.0		104	50-200			
Surrogate: M6PFDA	*45.4*			ng/L	40.0		113	50-200			
Surrogate: M3PFBS	*47.4*			ng/L	37.3		127	50-200			
Surrogate: M7PFUnA	*47.0*			ng/L	40.0		117	50-200			
Surrogate: M2-6:2FTS	*37.3*			ng/L	38.0		98.0	50-200			
Surrogate: M5PFPeA	*43.5*			ng/L	40.0		109	50-200			
Surrogate: M5PFHxA	*45.9*			ng/L	40.0		115	50-200			
Surrogate: M3PFHxS	*47.4*			ng/L	37.9		125	50-200			
Surrogate: M4PFHpA	*45.9*			ng/L	40.0		115	50-200			
Surrogate: M8PFOA	*43.1*			ng/L	40.0		108	50-200			
Surrogate: M8PFOS	*43.7*			ng/L	38.4		114	50-200			
Surrogate: M9PFNA	*41.1*			ng/L	40.0		103	50-200			
Surrogate: MPFDoA	*43.9*			ng/L	40.0		110	50-200			
LCS Dup (B303157-BSD1)					Prepared: 03/14/22 Analyzed: 03/21/22						
Perfluorobutanoic acid (PFBA)	18.8	2.0		ng/L	20.0		94.1	70-130	4.75	30	
Perfluorobutanesulfonic acid (PFBS)	16.2	2.0		ng/L	17.7		91.3	70-130	4.57	30	
Perfluoropentanoic acid (PFPeA)	18.7	2.0		ng/L	20.0		93.4	70-130	6.08	30	
Perfluorohexanoic acid (PFHxA)	18.6	2.0		ng/L	20.0		93.2	70-130	2.69	30	
11Cl-PF3OUdS (F53B Minor)	16.4	2.0		ng/L	18.8		87.1	70-130	1.03	30	
9Cl-PF3ONS (F53B Major)	19.8	2.0		ng/L	18.6		106	70-130	12.9	30	
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	13.5	2.0		ng/L	18.8		71.6	70-130	1.17	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	18.7	2.0		ng/L	20.0		93.4	70-130	11.7	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	16.8	2.0		ng/L	19.2		87.4	70-130	2.10	30	
Perfluorodecanoic acid (PFDA)	18.5	2.0		ng/L	20.0		92.3	70-130	10.1	30	
Perfluorododecanoic acid (PFDoA)	15.2	2.0		ng/L	20.0		75.8	70-130	1.14	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	15.9	2.0		ng/L	17.8		89.2	70-130	4.19	30	
Perfluoroheptanesulfonic acid (PFHpS)	18.2	2.0		ng/L	19.1		95.5	70-130	7.44	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	18.7	2.0		ng/L	18.7		99.8	70-130	2.20	30	
Perfluorohexanesulfonic acid (PFHxS)	16.4	2.0		ng/L	18.3		89.5	70-130	5.35	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	18.8	2.0		ng/L	20.0		93.8	70-130	7.43	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	17.8	2.0		ng/L	20.0		89.2	70-130	5.01	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	19.9	2.0		ng/L	19.0		105	70-130	3.02	30	
Perfluoropetanesulfonic acid (PFPeS)	18.6	2.0		ng/L	18.8		99.0	70-130	9.00	30	
Perfluoroundecanoic acid (PFUnA)	16.4	2.0		ng/L	20.0		81.8	70-130	0.313	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	17.0	2.0		ng/L	20.0		84.8	70-130	4.67	30	
Perfluoroheptanoic acid (PFHpA)	17.4	2.0		ng/L	20.0		86.9	70-130	0.152	30	
Perfluorooctanoic acid (PFOA)	19.0	2.0		ng/L	20.0		94.9	70-130	13.6	30	
Perfluorooctanesulfonic acid (PFOS)	16.7	2.0		ng/L	18.5		90.0	70-130	5.12	30	
Perfluorononanoic acid (PFNA)	18.3	2.0		ng/L	20.0		91.7	70-130	14.5	30	
Surrogate: M2-4:2FTS	*37.4*			ng/L	37.5		99.6	50-200			
Surrogate: M2-8:2FTS	*44.3*			ng/L	38.4		115	50-200			
Surrogate: MPFBA	*44.2*			ng/L	40.0		111	50-200			

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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
Batch B303157 - EPA 533											
LCS Dup (B303157-BSD1)					Prepared: 03/14/22 Analyzed: 03/21/22						
Surrogate: M3HFPO-DA	*41.3*			ng/L	40.0		103	50-200			
Surrogate: M6PFDA	*45.0*			ng/L	40.0		112	50-200			
Surrogate: M3PFBS	*46.0*			ng/L	37.3		123	50-200			
Surrogate: M7PFUnA	*48.2*			ng/L	40.0		120	50-200			
Surrogate: M2-6:2FTS	*37.6*			ng/L	38.0		98.8	50-200			
Surrogate: M5PFPeA	*43.6*			ng/L	40.0		109	50-200			
Surrogate: M5PFHxA	*46.7*			ng/L	40.0		117	50-200			
Surrogate: M3PFHxS	*43.7*			ng/L	37.9		115	50-200			
Surrogate: M4PFHpA	*47.0*			ng/L	40.0		117	50-200			
Surrogate: M8PFOA	*44.0*			ng/L	40.0		110	50-200			
Surrogate: M8PFOS	*42.3*			ng/L	38.4		110	50-200			
Surrogate: M9PFNA	*41.0*			ng/L	40.0		103	50-200			
Surrogate: MPFDoA	*44.7*			ng/L	40.0		112	50-200			
Batch B303626 - EPA 533											
Blank (B303626-BLK1)					Prepared: 03/24/22 Analyzed: 03/28/22						
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 Minor)	ND	1.9		ng/L							
9Cl-PF3ONS (F53B Major)	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							
Perfluoropetanesulfonic 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	*30.7*			ng/L	35.1		87.3	50-200			
Surrogate: M2-8:2FTS	*37.7*			ng/L	36.0		105	50-200			
Surrogate: MPFBA	*34.3*			ng/L	37.5		91.4	50-200			
Surrogate: M3HFPO-DA	*40.3*			ng/L	37.5		108	50-200			
Surrogate: M6PFDA	*36.8*			ng/L	37.5		98.3	50-200			
Surrogate: M3PFBS	*36.3*			ng/L	34.9		104	50-200			
Surrogate: M7PFUnA	*42.0*			ng/L	37.5		112	50-200			

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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
Batch B303626 - EPA 533											
Blank (B303626-BLK1)					Prepared: 03/24/22 Analyzed: 03/28/22						
Surrogate: M2-6:2FTS	*28.0*			ng/L	35.6		78.7	50-200			
Surrogate: M5PFPeA	*35.5*			ng/L	37.5		94.7	50-200			
Surrogate: M5PFHxA	*40.0*			ng/L	37.5		107	50-200			
Surrogate: M3PFHxS	*30.6*			ng/L	35.5		86.1	50-200			
Surrogate: M4PFHpA	*34.3*			ng/L	37.5		91.7	50-200			
Surrogate: M8PFOA	*31.9*			ng/L	37.5		85.1	50-200			
Surrogate: M8PFOS	*32.4*			ng/L	35.9		90.3	50-200			
Surrogate: M9PFNA	*30.4*			ng/L	37.5		81.1	50-200			
Surrogate: MPFDoA	*42.0*			ng/L	37.5		112	50-200			
LCS (B303626-BS1)					Prepared: 03/24/22 Analyzed: 03/28/22						
Perfluorobutanoic acid (PFBA)	19.3	1.8		ng/L	17.9		108	70-130			
Perfluorobutanesulfonic acid (PFBS)	16.7	1.8		ng/L	15.9		105	70-130			
Perfluoropentanoic acid (PFPeA)	19.1	1.8		ng/L	17.9		107	70-130			
Perfluorohexanoic acid (PFHxA)	19.2	1.8		ng/L	17.9		107	70-130			
11Cl-PF3OUdS (F53B Minor)	20.4	1.8		ng/L	16.9		121	70-130			
9Cl-PF3ONS (F53B Major)	20.6	1.8		ng/L	16.7		123	70-130			
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	16.3	1.8		ng/L	16.9		96.4	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.1	1.8		ng/L	17.9		84.5	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	19.0	1.8		ng/L	17.2		111	70-130			
Perfluorodecanoic acid (PFDA)	18.3	1.8		ng/L	17.9		102	70-130			
Perfluorododecanoic acid (PFDoA)	14.8	1.8		ng/L	17.9		82.7	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	16.3	1.8		ng/L	15.9		102	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	16.2	1.8		ng/L	17.1		94.5	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	18.7	1.8		ng/L	16.8		112	70-130			
Perfluorohexanesulfonic acid (PFHxS)	16.1	1.8		ng/L	16.4		98.3	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	20.2	1.8		ng/L	17.9		113	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	18.4	1.8		ng/L	17.9		103	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	20.0	1.8		ng/L	17.0		118	70-130			
Perfluoropetanesulfonic acid (PFPeS)	19.5	1.8		ng/L	16.8		116	70-130			
Perfluoroundecanoic acid (PFUnA)	19.9	1.8		ng/L	17.9		111	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	16.6	1.8		ng/L	17.9		92.5	70-130			
Perfluoroheptanoic acid (PFHpA)	19.1	1.8		ng/L	17.9		107	70-130			
Perfluorooctanoic acid (PFOA)	19.2	1.8		ng/L	17.9		107	70-130			
Perfluorooctanesulfonic acid (PFOS)	17.3	1.8		ng/L	16.6		104	70-130			
Perfluorononanoic acid (PFNA)	21.0	1.8		ng/L	17.9		117	70-130			
Surrogate: M2-4:2FTS	*33.9*			ng/L	33.6		101	50-200			
Surrogate: M2-8:2FTS	*36.7*			ng/L	34.4		107	50-200			
Surrogate: MPFBA	*37.2*			ng/L	35.8		104	50-200			
Surrogate: M3HFPO-DA	*46.5*			ng/L	35.8		130	50-200			
Surrogate: M6PFDA	*43.4*			ng/L	35.8		121	50-200			
Surrogate: M3PFBS	*40.6*			ng/L	33.4		122	50-200			
Surrogate: M7PFUnA	*46.2*			ng/L	35.8		129	50-200			
Surrogate: M2-6:2FTS	*32.0*			ng/L	34.1		93.9	50-200			
Surrogate: M5PFPeA	*39.5*			ng/L	35.8		110	50-200			
Surrogate: M5PFHxA	*46.8*			ng/L	35.8		130	50-200			
Surrogate: M3PFHxS	*34.4*			ng/L	34.0		101	50-200			
Surrogate: M4PFHpA	*41.9*			ng/L	35.8		117	50-200			

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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
Batch B303626 - EPA 533											
LCS (B303626-BS1)					Prepared: 03/24/22 Analyzed: 03/28/22						
Surrogate: M8PFOA	*37.0*			ng/L	35.8		103	50-200			
Surrogate: M8PFOS	*37.3*			ng/L	34.4		108	50-200			
Surrogate: M9PFNA	*38.3*			ng/L	35.8		107	50-200			
Surrogate: MPFDoA	*49.4*			ng/L	35.8		138	50-200			

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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.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
Z-01	Analyte detected at a concentration >1/3 MRL but less than reporting limit.
Z-01a	Sample re-extracted to confirm detections in "POST" sample. Both results reported.

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CERTIFICATIONS

Certified Analyses included in this Report

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

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

220229

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Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYSDEC/Arcadis
Address: 625 Broadway, 12th floor, Albany, NY 12233
Phone: (518) 402-9813
Project Name: Stewart ANG-Butterhill
Project Location: New Windsor, NY
Project Number: 30058345
Project Manager: David Chiusano, NYSDEC
Con-Test Quote Name/Number: Callout ID: 141586
Invoice Recipient: David Chiusano
Sampled By: Meghan Fitzgerald/Casey Radomski

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: David.Chiusano@DEC.NY.GOV
Fax To #:

ANALYSIS REQUESTED: EPA 533
# of Containers: 22
[2] Preservation Code: T
[3] Container Code: P

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	EPA 533
1	BH20220302 PRE-GAC	3/2	0954		✓	DW		2
2 ~~2~~	BH20220302 POST-GAC	↓	0955		✓	DW		2
3 ~~3~~	BH20220302 POST-GAC DUP	↓	1000		✓	DW		2
2 ~~4~~	BH20220302 POST-GAC MS/MSD	↓	1002		✓	DW		4
4 ~~5~~	BH20220302-IN-25	↓	1021		✓	DW		2
5 ~~6~~	BH20220302-IN-50	↓	1022		✓	DW		2
6 ~~7~~	BH20220302-IN-75	↓	1023		✓	DW		2
7 ~~8~~	BH20220302-IMIDPOINT	↓	1025		✓	DW		2
8 ~~9~~	BH20220302-1S-25	↓	1028		✓	DW		2
9 ~~10~~	BH20220302-1S-50	↓	1030		✓	DW		2

Comments:
Please email results to
Dana.Bryant@arcadis.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[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)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Signature	Date/Time
Relinquished by: (signature) Casey Radomski	3/2/22 3:18
Received by: (signature) [signature] PACE	3/2/22 15:18
Relinquished by: (signature) [signature] PACE	3/3/22
Received by: (signature) [signature] PACE	3-3-22
Relinquished by: (signature) [signature] PACE	3-3-22 15:10
Received by: (signature) [signature] 16:00	3-3-22
[signature] 17:40	3-3-22

[signature] 3.7 3/3/22 1740

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP, LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

2200224

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CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: NYSDEC/Arcadis
Address: 625 Broadway, 12th floor, albany, NY 12233
Phone: (518) 402-9813C
Project Name: Stewart ANG-Butterhill
Project Location: New Windsor, NY
Project Number: 30058345
Project Manager: David Chiusano, NYSDEC
Con-Test Quote Name/Number: Callout ID: 141586
Invoice Recipient: David Chiusano
Sampled By: Meghan Fitzgerald / Casey Radomski

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: David.Chiusano@
Fax To #: DEC.NY.GOV

ANALYSIS REQUESTED: EPA 533
# of Containers: 20
Preservation Code: 1
Container Code: P

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	EPA 533
10 11	BH20220302-1S-75	3/2	1032		✓	DW		2
11 12	BH20220302-2N-25	↓	1042		✓	DW		2
12 13	BH20220302-1 POST	↓	1034		✓	DW		2
13 14	BH20220302-2N-50	↓	1044		✓	DW		2
14 15	BH20220302-2N-75	↓	1046		✓	DW		2
15 16	BH20220302-2MidPoint	↓	1047		✓	DW		2
16 17	BH20220302-2S-25	↓	1051		✓	DW		2
17 18	BH20220302-2S-50	↓	1053		✓	DW		2
18 19	BH20220302-2S-75	↓	1055		✓	DW		2
19 20	BH20220302-2POST	↓	1056		✓	DW		2

Comments:
Please email results to
Dana.Bryant@arcadis.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished / Received	Date/Time
Relinquished by: (signature) Casey Radomski	3/2/22 3:18
Received by: (signature) [signature] PACE	3/2/22 15:18
Relinquished by: (signature) [signature] PACE	3/3/22
Received by: (signature) [signature] PACE	3-3-22
Relinquished by: (signature) [signature] PACE	3-3-22 1540
Received by: (signature) [signature] 16:00	3-3-22

[signature] 17:40 3-3-22   [signature] 3/3/22 1740

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[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)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

22C0229

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 4

Company Name: NYSDEC/Arcadis
Address: 625 Broadway 12th floor, Albany, NY 12233
Phone: (518) 402-9813
Project Name: Stewart ANG - Butterhill
Project Location: New Windsor, NY
Project Number: 30058345
Project Manager: David Chiusano, NYSDEC
Con-Test Quote Name/Number: Callout ID: 141586
Invoice Recipient: David Chiusano
Sampled By: Meghan Fitzgerald / Casey Radomski

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: David.Chiusano@
Fax To #: DEC.NY.GOV

ANALYSIS REQUESTED

Con-Test Work Order#		Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers (20)	[2] Preservation Code (1)	[3] Container Code (D)	EPA 533
20	21	BH20220302-3N-25	3/2	1103		✓	DW		2			
21	22	BH20220302-3N-50		1105		✓	DW		2			
22	23	BH20220302-3N-75		1106		✓	DW		2			
23	24	BH20220302-3MIDPOINT		1108		✓	DW		2			
24	25	BH20220302-3S-25		1112		✓	DW		2			
25	26	BH20220302-3S-50		1114		✓	DW		2			
26	27	BH20220302-3S-75		1116		✓	DW		2			
27	28	BH20220302-3POST		1118		✓	DW		2			
28	29	BH20220302-1RAW		1158		✓	DW		2			
29	30	BH20220302-2RAW	↓	1145		✓	DW		2			

Dissolved Metals Samples:
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples:
☐ Field Filtered
☐ Lab to Filter

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V = Vial
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Received by: (signature) PACE	3/2/22 15:18
Relinquished by: (signature) PACE	3/3/22
Received by: (signature) PACE	3.3.22
Relinquished by: (signature) PACE	3.3.22 15:40
Received by: (signature)	16:00 3-3-22
	17:40 3-3-22

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
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☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Other:

Deliverables
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
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☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

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☐ Soxhlet
☐ Non Soxhlet

3/3/22 17:40

2210224

con-test ANALYTICAL LABORATORY

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7-Day ☐ 10-Day ☑
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CLP Like Data Pkg Required: ☐
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Fax To #: DEC.NY.GOV

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers	Preservation Code	Container Code	EPA 533
30	BH20220302-3RAW	3/2	1213		✓	DW		2	1	P	
31	BH20220302-FRB	3/2	1020		✓	DW		1	1	P	

Dissolved Metals Samples: ☐ Field Filtered ☐ Lab to Filter

Orthophosphate Samples: ☐ Field Filtered ☐ Lab to Filter

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Casey Radomski	3/2/22 3:18
Received by: (signature) PACE	Date/Time: 3/2/22 15:18
Relinquished by: (signature) PACE	Date/Time: 3/3/22
Received by: (signature)	Date/Time: 3-3-22
Relinquished by: (signature)	Date/Time: 3-3-22 1410
Received by: (signature) 16:00	Date/Time: 3-3-22
17:40	3-3-22

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☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

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

Client NYSDEC – Accutest

Received By _____ Date 3/3/22 Time 1740

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp - 3.2

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? n/a Were Samples Tampered with? n/a

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? n/a MS/MSD? T

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? Acid n/a Base n/a

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	(2)	4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments: