Memo

SUBJECT
Town of New Windsor - Butterhill Filtration Plant
Temporary Granular Activated Carbon Treatment Project
WA #D007618-48, Site #336089

TO
David Chiusano, NYSDEC

O&M Quarterly Report – Second Quarter 2023

DATE
July 26, 2023

PROJECT NUMBER
30053845

COPIES TO
file

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The Town of New Windsor (Town) owns and operates the Butterhill Filtration Plant (Plant) located at 181 Forge Hill Road in New Windsor, New York. The Plant is supplied by three production wells with a combined well field capacity of 6.45 million gallons per day (mgd). To address detections of per- and polyfluoroalkyl substances (PFAS), including perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS), in the wells, the New York State Department of Environmental Conservation (NYSDEC) installed a temporary granular activated carbon (GAC) treatment system (System). The System can treat a portion of the well water (up to 1,500 gallons per minute (gpm) or 2.16 mgd), while remaining Town demands are met by the Town's Kroll Well and Riley Road Treatment Plant treating Catskill Aqueduct water. During Catskill Aqueduct maintenance shutdowns, the Riley Road output is replaced by water purchased through interconnections with the Town and City of Newburgh.

NYSDEC has engaged LaBella Associates to operate and maintain the System and Arcadis of New York, Inc. (Arcadis) to collect samples and provide NYSDEC and LaBella with engineering support as needed. Operations, maintenance, and monitoring (OM&M) activities are accomplished in accordance with the System OM&M Plan revised in December 2020.

GAC media was replaced in all contactors in November 2020, and media was replaced in the three north contactors in October 2022, at which time the south contactors were switched to the lead position in their respective train.

APRIL THROUGH JUNE 2023 OPERATION AND MAINTENANCE ACTIVITIES

1. The System continued treating up to 1,500 gpm routinely throughout the quarter.
2. Quarterly sampling was completed by Arcadis on June 1, 2023. Analysis results are attached. At the time of sampling, Well 3 was active and supplying the System.
3. In the June 1st samples, PFOS and PFOA were detected in the port between lead and lag vessels (Midpoint) of all three trains.
4. In accordance with NYSDOH requirements, all samples were analyzed using an approved PFAS methodology (EPA 533) at an approved laboratory.
5. Wells 1, 2, and 3 were fully operational and were run to the plant, instead of to waste, while well samples were collected.
6. Arcadis is not aware of any other operation or maintenance issues with the GAC system that occurred since the last quarterly report.

ATTACHMENTS

David Chiusano
NYSDEC
July 26, 2023

- Summary of June 1, 2023 sampling event (Table 1)
- Summary of PFAS detections since December 2019 (Table 2)
- Laboratory reports for June 1, 2023 sampling event

ATTACHMENTS

June 1, 2023 Sample Event Summary

(Table 1)

Stewart ANG WTP O&M - Butterhill Wells Temporary GAC System

Table 1 - Summary of Per- and Polyfluoroalkyl Substances Analysis in Temporary Treatment System Samples - June 1st, 2023

Project No. 30053845

Parameter List EPA Method 533 Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	Units	Well #1	Well #2	Well #3	Pre-GAC	Post-GAC	Post-GAC (dup)
11Cl-PF3OUdS	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
9Cl-PF3ONS	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluorobutanoic acid (PFBA)	ng/L	**9.9**	**7.6**	**5.8**	**5.2**	**5.3**	**5.7**
Perfluorobutanesulfonic acid (PFBS)	ng/L	**5.9**	**2.7**	**2.7**	**2.4**	<1.9	<1.8
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluorodecanoic acid (PFDA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluorododecanoic acid (PFDoA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluoroheptanesulfonic Acid (PFHpS)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluoroheptanoic acid (PFHpA)	ng/L	<1.9	<1.9	**2.0**	**1.9**	<1.9	<1.8
4:2 FTS	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluorohexanesulfonic acid (PFHxS)	ng/L	**5.4**	**5.6**	**5.9**	**5.2**	<1.9	<1.8
Perfluorohexanoic acid (PFHxA)	ng/L	<1.9	**2.8**	**3.9**	**3.4**	<1.9	<1.8
Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluorononanoic acid (PFNA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluorooctanesulfonic acid (PFOS)	ng/L	**5.7**	**5.3**	**6.8**	**6.3**	<1.9	<1.8
Perfluorooctanoic acid (PFOA)	ng/L	**4.1**	**4.2**	**4.3**	**3.4**	<1.9	<1.8
Perfluoropentanoic acid (PFPeA)	ng/L	<1.9	**6.5**	**7.6**	**5.2**	**2.8**	**2.8**
Perfluoropentanesulfonic acid (PFPeS)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8
Perfluoroundecanoic acid (PFUnA)	ng/L	<1.9	<1.9	<1.8	<1.9	<1.9	<1.8

Parameter List EPA Method 533 Perfluorinated and Polyfluorinated Alkyl Substances in Drinking Water	Units	Train 1 Lead (South) 25%	Train 1 Lead (South) 50%	Train 1 Lead (South) 75%	Train 1 Mid	Train 1 Lag (North) 25%	Train 1 Lag (North) 50%	Train 1 Lag (North) 75%	Train 1 Post	Train 2 Lead (South) 25%	Train 2 Lead (South) 50%	Train 2 Lead (South) 75%	Train 2 Mid	Train 2 Lag (North) 25%	Train 2 Lag (North) 50%	Train 2 Lag (North) 75%	Train 2 Post	Train 3 Lead (South) 25%	Train 3 Lead (South) 50%	Train 3 Lead (South) 75%	Train 3 Mid	Train 3 Lag (North) 25%	Train 3 Lag (North) 50%	Train 3 Lag (North) 75%	Train 3 Post
11Cl-PF3OUdS	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
9Cl-PF3ONS	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluorobutanoic acid (PFBA)	ng/L	**5.2**	**6.1**	**5.3**	**5.6**	**5.7**	**6.3**	**6.7**	**5.0**	**5.0**	**6.1**	**5.6**	**5.5**	**5.2**	**5.4**	**6.7**	**5.8**	**7.0**	**5.6**	**5.1**	**5.3**	**5.6**	**5.4**	**7.0**	**4.8**
Perfluorobutanesulfonic acid (PFBS)	ng/L	**2.5**	**2.3**	**1.9**	**2.0**	<1.8	<1.8	<1.8	<1.8	**2.6**	**2.2**	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	**2.9**	**2.7**	**2.4**	**2.2**	<1.8	<1.8	<1.8	<1.9
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluorodecanoic acid (PFDA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluorododecanoic acid (PFDoA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluoroheptanesulfonic Acid (PFHpS)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluoroheptanoic acid (PFHpA)	ng/L	**1.8**	**1.9**	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	**1.9**	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	**2.2**	**1.9**	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
4:2 FTS	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluorohexanesulfonic acid (PFHxS)	ng/L	**4.7**	**3.8**	**2.7**	**2.3**	<1.8	<1.8	<1.8	<1.8	**4.5**	**3.3**	**3.1**	**2.6**	<1.7	<1.8	<1.9	<1.8	**5.6**	**4.3**	**2.9**	**2.8**	<1.9	<1.8	<1.8	<1.9
Perfluorohexanoic acid (PFHxA)	ng/L	**3.4**	**3.5**	**3.0**	**3.3**	**2.2**	**1.8**	<1.8	<1.8	**3.6**	**3.3**	**3.1**	**2.8**	**2.3**	**1.9**	<1.9	<1.8	**4.1**	**3.7**	**3.7**	**3.4**	**2.8**	**2.0**	<1.8	<1.9
Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluorononanoic acid (PFNA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	**3.1**	<1.9	<1.8	<1.9	<1.9	<1.9	**16**	<1.8	**19**
Perfluorooctanesulfonic acid (PFOS)	ng/L	**5.2**	**4.2**	**2.9**	**2.2**	<1.8	<1.8	<1.8	<1.8	**5.7**	**3.9**	**2.7**	**2.2**	<1.7	<1.8	<1.9	<1.8	**5.9**	**4.9**	**2.6**	**2.0**	<1.8	<1.8	<1.8	<1.9
Perfluorooctanoic acid (PFOA)	ng/L	**3.1**	**3.3**	**2.3**	**2.0**	<1.8	<1.8	<1.8	<1.8	**3.2**	**2.9**	**2.4**	**1.9**	<1.7	<1.8	<1.9	<1.8	**4.4**	**3.6**	**2.9**	**2.4**	<1.8	<1.8	<1.8	<1.9
Perfluoropentanoic acid (PFPeA)	ng/L	**5.4**	**6.0**	**6.0**	**5.7**	**5.5**	**5.2**	**2.7**	**2.3**	**5.0**	**6.2**	**5.3**	**5.3**	**4.8**	**4.7**	**3.6**	**2.8**	**6.5**	**6.0**	**6.0**	**5.6**	**5.7**	**5.6**	**3.1**	**2.4**
Perfluoropentanesulfonic acid (PFPeS)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9
Perfluoroundecanoic acid (PFUnA)	ng/L	<1.8	<1.9	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.9	<1.8	<1.8	<1.7	<1.8	<1.9	<1.8	<1.9	<1.8	<1.9	<1.9	<1.8	<1.8	<1.8	<1.9

PFAS Detections Summary

(Table 2)

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Sample Location	Date													
Well #1	12/05/19	3.7	2.6	5.6	2.6	3.0								
	01/09/20	3.3	2.4	6.0	2.7	2.9								
	02/14/20	3.6	3.1	5.3	2.4	3.1	2.5	1.9						
	03/06/20	3.6	2.5	5.5	2.1	2.6	2.7	2.3						
	04/01/20	3.4	3.0	4.8	2.4	2.7	3.2	3.1						
	05/06/20	3.8	3.3	5.8	3.0	2.7	3.4	3.7						
	08/04/20	3.2	2.5	4.9	2.8	2.2	2.8	2.3						
	11/03/20	*Not sampled, Well #1 offline for repairs												
	12/15/20	*Not sampled, Well #1 offline for repairs												
	03/17/21	*Not sampled, Well #1 offline for repairs												
	06/04/21	*Not sampled, Well #1 offline for repairs												
	09/14/21	2.1		5.2		2.2								
	12/07/21	*Not sampled, Well #1 offline												
	03/02/22	2.9	2.7	6.9	2.7	2.8								
	06/02/22	3.4	3.3	7.2	2.7	2.6	2.4							
	09/08/22	4.3	3.8	6.5	3.2	3.1								
	12/08/22	3.4	3.2	6.1	3.9	3.9								
	03/17/23	5.6	4.3	8.6	5.2	4.9	2.0							
	06/01/23	5.7	4.1	9.9	5.9	5.4								
Well #2	12/05/19	2.4	3.5	4.6		3.2	4.3	3.4	2.0					
	01/09/20	2.2	3.5	5.2		3.4	5.1	3.4	2.2					
	02/14/20	2.7	3.9	3.9		3.5	5.9	3.6	2.2					
	03/06/20	2.8	2.9	4.2		3.3	6.1	3.5	2.2					
	04/01/20	2.2	3.1	4.1		3.4	5.8	3.8	2.0					
	05/06/20	*Not sampled, Well #2 offline for repairs												
	08/04/20	2.2	2.7	4.2		2.7	4.3	2.3						
	11/03/20	2.2	2.4			2.9	6.6	4.2					2.1	
	12/15/20	2.5	3.2	5.3		3.3	7.6	4.9	2.6					
	03/17/21	*Not sampled, Well #2 offline for repairs												
	06/04/21	*Not sampled, Well #2 offline for repairs												
	09/14/21	*Not sampled, Well #2 offline for repairs												
	12/07/21	*Not sampled, Well #2 offline for repairs												
	03/02/22	3.3	3.5	5.0	2.3	3.4	4.5	2.8						
	06/02/22	3.0	2.9	3.6	1.8	2.8	2.7	1.9						
	09/08/22	3.7	3.3	4.1	1.8	3.3	3.5	2.4						
	12/08/22	4.3	4.2	5.9	2.8	5.1	6.2	3.8	2.2					
	03/17/23	5.0	4.3	6.6	3.2	5.3	4.6	3.2	2.2					
	06/01/23	5.3	4.2	7.6	2.7	5.6	6.5	2.8						
Well #3	12/05/19	8.9	5.0	6.7	2.2	6.5	11.0	8.4	4.3					
	01/09/20	7.7	3.9	4.9		4.6	7.8	5.6	2.8					
	02/14/20	6.0	3.6	2.7		3.8	5.3	3.7	1.9					
	03/06/20	5.4	2.9	2.8		3.3	4.6	3.0	1.8					
	04/01/20	4.5	2.8	2.9		3.4	4.5	3.0	1.8					
	05/06/20	5.9	3.7	4.9		3.9	4.3	3.2	2.0					
	08/04/20	8.1	4.3	5.1	1.9	3.9	7.5	5.5	3.1					
	11/03/20	7.7	4.1	5.7	2.6	5.5	9.1	6.3	3.6				2.7	
	12/15/20	8.5	4.5	5.6	3.1	6.2	8.5	6.5	3.6					
	03/17/21	5.3	2.9			3.5	5.3	3.9	2.1	2.6	2.9	2.4		
	06/04/21	5.3	3.1		1.7	3.0	3.7	3.4	1.9					
	09/14/21	5.5	3.1	4.6		3.1	5.4	3.6						
	12/07/21	7.8	4.1	4.9	2.2	4.1	5.3	3.5	2.5					
	03/02/22	4.2	3.6	4.6		3.2	6.2	4.6	2.4					
	06/02/22	4.3	2.7	3.6		2.9	4.5	3.2						
	09/08/22	11.0	5.3	6.1	3.1	8.6	10.0	6.8	3.8					
	12/08/22	9.9	5.2	5.8	4.0	7.1	11.0	7.9	4.1					
	03/17/23	5.8	3.8	4.0	2.4	5.2	5.6	4.6	2.6					
	06/01/23	6.8	4.3	5.8	2.7	5.9	7.6	3.9	2.0					

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Pre-GAC	12/05/19	3.1/2.9	2.5/2.4	5.7	2.6/2.6	3/2.7								
	01/09/20	2.5/2.3	3.3/3.6	5.0		3.2/3.3	5.0	3.5	2.2/2.2					
	02/14/20	2.8	3.3/3.0	4.0		3.4/2.8	6.1	3.7	2.2					
	03/06/20	3.3/2.9	2.5/2.7	5.6	2.3/2.1	2.7/2.4	2.7	2.2						
	04/01/20	3.0	2.8	4.2	2.3	2.3	3.4	3.0						
	05/06/20	5.0	3.1	4.1		3.7	3.9	3.1	1.8					
	08/04/20	8.5	4.4	5.0	2.0	4.9	8.2	5.8	3.2					
	11/03/20	9.8	4.7	5.7	3.2	7.2	9.5	7.3	3.7					
	12/15/20	8.5/7.5	4.8/4.4	5.6	3/3.2	6.2/5.7	8.2	6.7	3.6/3.4					
	03/17/21	4.9/5.0	3/3.1			3.6/3.9	5.1	3.7	2/2.4					
	06/04/21	5.3/3.8	2.9/2.6			3.1/3.1	3.7	3.2	1.7					
	09/14/21	2.9	2.3	6.0	2.7	3.1	2.1							
	12/07/21	6.6	3.8	4.9	2.1	3.8	5.1	3.4	2.3					
	03/02/22	2.9	3.2	4.7	2.2	3.1	4.5	2.7	1.9					
	06/02/22	4.0	2.6	3.6		2.8	2.9							
	09/08/22	12.0	6.1	6.8	3.9	9.6	11.0	8.5	4.7					
	12/08/22	4.5	3.6	5.5	2.5	4.7	6.3	3.5	2.3					
	03/17/23	5.7	4.0	7.6	3.0	5.0	5.4	3.0	2.0					
	06/01/23	6.3	3.4	5.2	2.4	5.2	5.2	3.4	1.9					
Train 1-Lead 25%	01/09/20			5.3			4.7							
	02/14/20			4.4		1.9	5.3	2.9						
	03/06/20			5.6			3.3	2.1						
	04/01/20			4.5			3.6	2.6						
	05/06/20	2.9	2.3	4.2		2.5	4.1	2.9						
	08/04/20	6.1	4.1	5.5	2.0	3.4	7.7	5.3	2.2					
	11/03/20	7.5	4.5	5.9	3.4	6.2	10.0	7.3	3.9					
	12/15/20						2.1							
	03/17/21	12.0	5.6		1.9	6.2	5.5	4.6	3.3					
	06/04/21	3.5	2.4			2.5	4.0	3.1						
	09/14/21	2.7	2.1	6.3	2.5	2.5	2.3							
	12/07/21	5.8	3.7	5.8	2.1	4	5.5	3.4	2.3					
	03/02/22	2.7	2.9	4.6	2.1	2.8	4.5	2.5						
	06/02/22	3.6	2.6	3.6		2.5	2.9	2.1						
	09/08/22	10.0	5.7	6.4	3.6	8.4	11.0	8.2	4.3					
	12/08/22	2.2	2.8	5.8	2.2	2.9	6.6	3.6						
	03/17/23	9.0	3.5	7.3	2.8	4.7	6.0	3.2	2.0					
	06/01/23	5.2	3.1	5.2	2.5	4.7	5.4	3.4	1.8					
Train 1-Lead 50%	01/09/20			4.7			3.3							
	02/14/20			4.6			4.4	1.8						
	03/06/20			5.4			3.0							
	04/01/20			4.7			3.5	1.9						
	05/06/20			4.7			4.0	2.6						
	08/04/20	3.0	2.8	5.5	1.7	2.6	7.4	4.7	2.2					
	11/03/20	4.5	3.3	5.8	2.9	4.6	9.2	6.9	3.3					
	12/15/20													
	03/17/21						4.3	2.5						
	06/04/21	2.2	1.9				4.1	2.9						
	09/14/21			6.0	2.1		3.1							
	12/07/21	3.7	3.1	6.1	1.9	2.8	5.9	3.3	2.0					
	03/02/22	2.1	2.7	4.6	1.9	2.5	4.4	2.6						
	06/02/22	2.3	2.3	3.7		2.4	3.1	1.9						
	09/08/22	7.3	4.7	6.6	3.3	7.3	11.0	7.7	3.6					
	12/08/22			5.6			6.0	3.0						
	03/17/23	2.6	2.8	7.5	2.5	2.9	5.8	3.3						
	06/01/23	4.2	3.3	6.1	2.3	3.8	6.0	3.5	1.9					

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Train 1-Lead 75%	01/09/20			3.7							2.3			
	02/14/20			4.3			2.3							
	03/06/20			5.1			2.2							
	04/01/20			4.6			2.7							
	05/06/20			5.0			3.7							
	08/04/20			5.4			6.9	3.9						
	11/03/20	2.0	2.1	5.9	2.1	2.8	9.9	6.0	2.7					
	12/15/20													
	03/17/21						3.0							
	06/04/21						3.3	2.2						
	09/14/21			5.5			3.4	1.8						
	12/07/21	2.3	2.4	5.4			5.4	3.1						
	03/02/22		2.2	4.9		2.1	4.5	2.5						
	06/02/22	2.1	2.1	3.9			3.3	2.0						
	09/08/22	5.5	4.5	6.6	3.0	5.9	10.0	6.9	3.5					
	12/08/22			3.5			4.9	2.0						
	03/17/23			7.9		2.1	5.8	2.7						
	06/01/23	2.9	2.3	5.3	1.9	2.7	6.0	3.0						
Train 1-MID	04/01/20			4.0			2.2							
	05/06/20			4.8			2.9							
	08/04/20			6.5			4.1	2.9						
	11/03/20			6.4	2.0	2.1	8.8	5.2	2.2					
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			5.6			4.4							
	12/07/21			5.5			5.2	2.7						
	03/02/22			3.6			4.1	2.3						2.1
	06/02/22			3.4			3.2	1.9						
	09/08/22	3.9	3.7	6.5	2.7	4.8	10.0	6.3	2.9					40.0
	12/08/22			4.9			4.6	2.0						
	03/17/23			7.5		2.0	5.8	2.7						
	06/01/23	2.2	2.0	5.6	2.0	2.3	5.7	3.3						
Train 1-Lag 25%	02/14/20			3.0										
	03/06/20			3.2										
	04/01/20			4.4										
	05/06/20			5.0			2.3							
	08/04/20			7.0			5.9	2.5						
	11/03/20			6.8			9.5	4.7						
	03/17/21						1.8					2.2	4.1	
	06/04/21						2.5							
	09/14/21			5.7			4.2	1.8						
	12/07/21	2.2		4.6			5.3	2.4						
	03/02/22			4.9			4.4	2.1						
	06/02/22			3.7			3.4	1.8						
	09/08/22	1.9	2.9	6.2	2.2	2.5	9.2	5.2	2.3					
	12/08/22													
	03/17/23			7.3			3.9							
	06/01/23			5.7			5.5	2.2						

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Train 1-Lag 50%	02/14/20			2.1										
	03/06/20			2.9										
	04/01/20			3.6										
	05/06/20			4.9										
	08/04/20			6.8			4.5							
	11/03/20			7.0			8.7	3.4						
	03/17/21													
	06/04/21						1.9							
	09/14/21			5.4			4.4							
	12/07/21			5.4			5	2						
	03/02/22			4.5			3.8							
	06/02/22			3.6			2.9							
	09/08/22		2.1	6.9	1.8	1.8	8.6	4.4	1.8					
	12/08/22													
	03/17/23			6.8			2.0							
	06/01/23			6.3			5.2	1.8						
Train 1-Lag 75%	05/06/20			3.5										
	08/04/20			6.6										
	11/03/20			7.5			7.9							
	03/17/21													
	06/04/21													
	09/14/21			5.6			3.7							
	12/07/21			8.7			4.5							
	03/02/22			14.0			3.5							
	06/02/22			6.5			2.9							
	09/08/22			6.0			7.9	3.6						
	12/08/22													
	03/17/23			1.8										
	06/01/23			6.7			2.7							
Train 1-POST	04/01/20			2.0										
	05/06/20			3.6										
	08/04/20			5.9			2.2							
	11/03/20			7.1			5.6						5.5	
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			5.5			3.4							
	12/07/21			4.7			4.3							
	03/02/22			4.6			3.6							
	06/02/22			3.6			2.9							
	09/08/22			6.2			8.0	3.9						
	12/08/22													
	03/17/23			3.1										
	06/01/23			5.0			2.3							
Train 2-Lead 25%	01/09/20		2.2	4.9		2.2	4.6	2.9	1.9					
	02/14/20		2.7	3.7		2.3	5.3	3.1						
	03/06/20	1.7	1.9	5.1		1.7	3.0	2.0						
	04/01/20	2.0	2.1	4.5	1.9	1.9	3.5	2.8						
	05/06/20	3.5	2.7	4.2		3.0	4.1	3.3						
	08/04/20	6.2	3.9	5.5	1.9	3.6	7.8	5.3	3.1					
	11/03/20	6.8	3.8	5.8	2.8	5.4	9.4	6.7	3.5					
	12/15/20	1.8	1.8				4.7	3.4						
	03/17/21	6.6	3.5			3.9	5.4	3.9	2.3				1.8	
	06/04/21	4.4	2.5			2.6	3.7	3.0						
	09/14/21	3.0	2.1	6.4	2.5	2.5	2.7							
	12/07/21	5.9	3.4	6	2.2	3.5	5.5	3.4	2.2					
	03/02/22	2.9	3.2	3.7	2	2.8	4.3	2.6						
	06/02/22	3.3	2.8	3.5	1.9	2.9	3.3	2.1						
	09/08/22	9.0	6.1	6.3	3.5	8.1	11.0	7.6	4.4					
	12/08/22	2.3	2.7	5.8	2.3	2.9	7.0	4.1	2.0					
	03/17/23	4.4	3.8	8.1	2.9	4.3	6.1	3.7	2.1					
	06/01/23	5.7	3.2	5.0	2.6	4.5	5.0	3.6	1.9					

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Train 2-Lead 50%	01/09/20			5.0			3.9	1.9						
	02/14/20			4.0			4.5	2.5						
	03/06/20			5.0			2.9	1.7						
	04/01/20			4.5			3.3	2.4						
	05/06/20	1.9	1.8	4.1			4.0	2.8						
	08/04/20	3.5	3.1	5.2		3.0	7.3	4.8	2.4					
	11/03/20	4.4	3.4	6.3	2.8	4.1	9.4	7.0	3.3					
	12/15/20						2.5							
	03/17/21	2.2	2.1			1.9	4.6	2.9						
	06/04/21	2.5	2.0			2.0	3.6	3.0						
	09/14/21	2.0	2	5.8	2.1		3.3							
	12/07/21	4.3	2.9	5.9		3.2	5.4		2.0					
	03/02/22	2.3	2.8	5.1	1.9	2.4	4.4	2.7						
	06/02/22	2.9	2.4	3.8		2.2	3.3	2.1						
	09/08/22	7.3	5.3	6.3	3.2	7.2	11.0	7.2	3.8					
	12/08/22			5.1			5.8	2.9						
	03/17/23	2.0	3.2	8.1	2.6	3.2	6.6	3.3	2.0					
	06/01/23	3.9	2.9	6.1	2.2	3.3	6.2	3.3						
Train 2-Lead 75%	01/09/20			4.0										
	02/14/20			4.2			2.6							
	03/06/20			5.5			2.3							
	04/01/20			4.3			2.9							
	05/06/20			4.6			3.8	1.9						
	08/04/20		1.8	5.3			6.7	4.0						
	11/03/20	2.0	2.2	6.9	2.3	2.7	9.9	6.6	2.6					
	12/15/20													
	03/17/21						3.0							
	06/04/21						3.3	2.2						
	09/14/21			5.5			3.3	1.7						
	12/07/21	2.3	2.0	5.3		1.9	5.1	2.9						
	03/02/22		2.1	5.0			4.2	2.6						
	06/02/22	2.3	2.3	3.7			3.4	2.0						
	09/08/22	5.9	4.2	6.1	2.7	5.6	10.0	6.4	3.4					
	12/08/22			4.2			4.2							
	03/17/23			7.1			5.1	2.5						
	06/01/23	2.7	2.4	5.6		3.1	5.3	3.1						
Train 2-MID	04/01/20			3.6			2.1							
	05/06/20			4.6			2.9							
	08/04/20			6.0			6.1	3.1						
	11/03/20			6.5	2.0	2.0	9.2	5.5	2.0				3.5	14
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			5.8			3.6							
	12/07/21	2.1		5.1			4.8	2.8						26
	03/02/22		1.9	4.7			4.2	2.4						12.0
	06/02/22			*3.8/3.3			*3.4/2.7	*2.1/<1.9						*9.1/2.3
	09/08/22	4.2	3.5	6.5	2.5	4.8	9.7	5.9	2.7					
	12/08/22			4.5			4.0	1.8						
	03/17/23		1.8	7.3			5.4	2.4						
	06/01/23	2.2	1.9	5.5		2.6	5.3	2.8						
Train 2-Lag 25%	02/14/20			2.3										
	03/06/20			3.5										
	04/01/20			3.7										
	05/06/20			6.1										
	08/04/20			6.0			5.2	1.8						
	11/03/20			6.9			9.5	4.1						
	03/17/21													
	06/04/21						4.2	2.1						
	09/14/21			5.4			4.5							
	12/07/21			5.3			4.8	2.1						
	03/02/22			4.5			3.9							
	06/02/22			3.5			2.9							
	09/08/22		2.2	6.3		2.2	8.2	4.5						
	12/08/22													
	03/17/23			7.4			5.2							
	06/01/23			5.2			4.8	2.3						

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Train 2-Lag 50%	03/06/20			2.8										
	04/01/20			2.4										
	05/06/20			5.3										
	08/04/20			6.3			4.0							
	11/03/20			7.1			8.8	3.1						
	03/17/21													
	06/04/21						1.9							
	09/14/21			4.4			3.2							
	12/07/21			5.3			4.2							
	03/02/22			4.7			3.8							
	06/02/22			3.7			2.8							
	09/08/22		1.9	5.8			7.8	4.1						
	12/08/22													
	03/17/23			7.3			3.6							
	06/01/23			5.4			4.7	1.9						
Train 2-Lag 75%	05/06/20			3.3										
	08/04/20			6.9										
	11/03/20			7.7			7.1							
	03/17/21													
	06/04/21													
	09/14/21			4.6			2.9							
	12/07/21			5.4			4.2							
	03/02/22			4.5			3.4							
	06/02/22			3.4			2.4							
	09/08/22			6.1			7.3	3.3						
	12/08/22													
	03/17/23			4.7										
	06/01/23			6.7			3.6							
Train 2-POST	05/06/20			3.4										
	08/04/20			5.9			2.1							
	11/03/20			8.0			6.1							13.0
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			4.5			2.5							
	12/07/21			5.7			4							
	03/02/22			4.2			3.3							2.4
	06/02/22			3.7			2.8							6.0
	09/08/22			6.1			7.5	3.1						
	12/08/22													20
	03/17/23			4.4										
	06/01/23			5.8			2.8							3.1
Train 3-Lead 25%	01/09/20		1.8	4.8			4.3	2.6						
	02/14/20		2.3	3.9		1.9	5.0	2.8						
	03/06/20			5.1			2.8	1.9						
	04/01/20			4.1			3.3	2.5						
	05/06/20	3.0	2.4	4.5		2.7	4.1	3.0						
	08/04/20	6.6	4.1	5.4	2.1	4.0	8.1	5.1	3.1					
	11/03/20	5.8	3.8	5.9	2.8	5.2	9.5	6.7	3.4					
	12/15/20	2.1	2.0	4.6		2.1	5.6	4.0	1.8					
	03/17/21	4.3	2.6			2.9	4.8	3.2	1.8					
	06/04/21	4.9	2.4			2.9	3.8	3.0						
	09/14/21	3.0	2.1	5.1		2.3	2.6							
	12/07/21	5.4	3.7	4.7	1.9	3.5	5.1	3.2	2.0					
	03/02/22	2.6	3.1	5.2	2	2.8	4.4	2.6						
	06/02/22	3.1	2.6	3.5	1.8	2.5	2.9	2.0						
	09/08/22	8.9	5.6	6.5	3.6	7.8	11.0	7.6	3.6					
	12/08/22	2.3	2.5	5.5	2.2	3.0	6.2	3.5						
	03/17/23	3.4	3.7	6.9	2.6	4.0	4.9	3.1	2.0					
	06/01/23	5.9	4.4	7.0	2.9	5.6	6.5	4.1	2.2					

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Train 3-Lead 50%	01/09/20			5.1			3.3							
	02/14/20			3.8			4.2	2.1						
	03/06/20			4.8			2.6							
	04/01/20			4.0			3.2	1.9						
	05/06/20			4.8			3.9	2.3						
	08/04/20	2.7	2.6	4.8		2.3	6.2	4.2	2.2					
	11/03/20	4.4	3.3	6.0	2.6	4.3	9.2	6.1	3.2					
	12/15/20						2.1							
	03/17/21	2.1					4.3	2.6						
	06/04/21	2.6	1.9				3.6	2.8						
	09/14/21	1.9		5.1			3.4							
	12/07/21	4.5	3.1	4.8		3.0	5.1	3.1	2.0					
	03/02/22	2.3	2.6	4.8		2.7	4.4	2.6						
	06/02/22	2.8	2.3	3.6		2.0	3.1	1.9						
	09/08/22	7.4	5.2	6.4	3.2	6.6	11.0	7.1	3.5					
	12/08/22			5.4	1.9		6.0	3.2						
	03/17/23	2.3	2.8	6.3	2.3	3.1	5.0	2.8						
	06/01/23	4.9	3.6	5.6	2.7	4.3	6.0	3.7	1.9					
Train 3-Lead 75%	01/09/20			3.6										
	02/14/20			3.4			2.2							
	03/06/20			4.5			1.8							
	04/01/20			3.7			2.3							
	05/06/20			5.3			3.4							
	08/04/20			4.8			6.0	3.2						
	11/03/20		2.0	6.2		2.4	8.6	5.2	2.2					
	12/15/20													
	03/17/21						3.0							
	06/04/21						3.2	2.0						
	09/14/21			4.6			3.4	2						
	12/07/21	3.1	2.7	5.4		2.5	4.9	2.9						
	03/02/22		2.1	4.7			4.1	2.3						
	06/02/22	1.9	2.0	3.7		1.9	2.9	1.9						
	09/08/22	5.2	4.3	6.7	2.8	5.5	11.0	6.5	3.1					
	12/08/22			5.0			5.0	2.2						
	03/17/23		1.9	6.5	1.9		4.6	2.7						
	06/01/23	2.6	2.9	5.1	2.4	2.9	6.0	3.7						
Train 3-MID	04/01/20			3.4			1.8							
	05/06/20			5.1	8.7		2.4							23.0
	08/04/20			5.2			5.4	2.6						
	11/03/20			6.3			8.2	5.3	2.0					16.0
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			4.5			3.4							
	12/07/21	2.1		5.9			5.2	2.8						
	03/02/22			4.3			3.5	2.0						
	06/02/22			3.4			3.1	2.2						
	09/08/22	3.4	3.2	6.2	2.3	4.1	9.7	5.5	2.5					9.1
	12/08/22			4.1			3.9	1.9						1.7
	03/17/23			7.1		1.8	5.7	2.8						2.0
	06/01/23	2.0	2.4	5.3	2.2	2.8	5.6	3.4						
Train 3-Lag 25%	02/14/20			2.8										
	03/06/20			3.9										
	04/01/20			3.4										
	05/06/20			5.2			1.9							
	08/04/20			5.2			4.5	1.8						
	11/03/20			6.3			7.6	3.8						
	03/17/21						2.0							
	06/04/21						2.6							
	09/14/21			4.8			4.3							
	12/07/21			6.2			5.4	2.5						
	03/02/22			4.5			3.8	2.0						
	06/02/22			3.2			3.0							
	09/08/22		2.6	6.2	2.1	2.4	9.1	5.1	2.1					
	12/08/22													
	03/17/23			6.1			4.4	2.0						
	06/01/23			5.6			5.7	2.8						

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Train 3-Lag 50%	02/14/20			2.0										
	03/06/20			2.3										
	04/01/20			3.2										
	05/06/20			5.1										
	08/04/20			5.3			4.1							
	11/03/20			6.5			7.7	3.3						
	03/17/21													
	06/04/21						2.1							
	09/14/21			4.6			4.5							
	12/07/21			5.8			5.4							
	03/02/22			4.3			3.6							
	06/02/22			3.4			2.8							
	09/08/22			6.5			8.3	4.2						
	12/08/22													
	03/17/23			6.2			2.2							
	06/01/23			5.4			5.6	2.0						16
Train 3-Lag 75%	05/06/20			3.6										
	08/04/20			5.7			2.3							
	11/03/20			6.7			6.8							
	03/17/21													
	06/04/21													
	09/14/21			5.3			3.6							
	12/07/21			4.8			5.4							
	03/02/22			4.3			3.7							
	06/02/22			3.4			3.0							
	09/08/22			5.6			7.0	2.9						
	12/08/22													
	03/17/23													
	06/01/23			7.0			3.1							
Train 3-POST	04/01/20			2.3										
	05/06/20			3.5										
	08/04/20			5.1			2.1							
	11/03/20			6.3			5.3	2.3					4.6	41
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			5.0			3.0							
	12/07/21			5.2			4.9							
	03/02/22			*4.8/4.6			*3.8/3.8							*21/9.2
	06/02/22			3.8			3.3							5.4
	09/08/22			5.2			5.9	2.8						3.2
	12/08/22													
	03/17/23			2.8										4.1
	06/01/23			4.8			2.4							19

Table 2 - Summary of Detected Per- and Polyfluoroalkyl Substances in Temporary Treatment System Samples														
		Compound (ng/L)												
		PFOS	PFOA	PFBA	PFBS	PFHxS	PFPeA	PFHxA	PFHpA	PFDoA	PFTriA	PFTeA	FOSA	6:2 FTS
Post GAC	03/06/20			1.9										
	05/06/20			3.4										
	08/04/20			5.8			2.2							
	11/03/20			7.7			6.1							
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			5.6			3.6							
	12/07/21			5.3			3.9							
	03/02/22			4.0			3.3							
	06/02/22			3.6			3.0							
	09/08/22			6.0			7.4	3.6						
	12/08/22													
	03/17/23			4.1										
	06/01/23			5.3			2.8							
Post GAC (DUPLICATE)	04/01/20			1.8										
	05/06/20			3.4										
	08/04/20			6.1			2.3							
	11/03/20			7.6			6.2							
	12/15/20													
	03/17/21													
	06/04/21													
	09/14/21			5.5			3.7							
	12/07/21			5.3			4.3							
	03/02/22			4.4			3.4							
	06/02/22			3.8			3.0							
	09/08/22			6.0			7.5	3.7						
	12/08/22													
	03/17/23			3.7										
	06/01/23			5.7			2.8							

Value is estimated

Samples analyzed using the following methods:
EPA 537 (modified) through 6/4/2021
WS-LC-0025 Att1 through 6/4/21 for compliance point sampling (pre, mid, and post)
EPA 533 all samples beginning 9/14/2021

Samples noted as #/# were analyzed by more than one method.
Samples noted as *#/# were re-extracted.
Blank cells indicate the location was either sampled without detection or the compound was not included in the laboratory method used.
Carbon in all vessels replaced prior to 12/15/2020 sample event.
Carbon replaced in North vessels and Lead/Lag configuration switched prior to 12/08/2022 sample event.
North vessel is in the 'Lead' positiong and South vessel is in the 'Lag' position for samples before October 2022.
South vessel is in the 'Lead' position and North vessel is in the 'Lag' position for samples after October 2022.

June 1, 2023 Sample Event Laboratory Report

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

June 19, 2023

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: 23F0275

Enclosed are results of analyses for samples as received by the laboratory on June 2, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
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: 6/19/2023

PURCHASE ORDER NUMBER: 141586

PROJECT NUMBER: 30058345

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F0275

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
BH20230601-PRE-GAC	23F0275-01	Drinking Water		EPA 533	
BH20230601-POST-GAC	23F0275-02	Drinking Water		EPA 533	
BH20230601-POST-GAC-DUP	23F0275-03	Drinking Water		EPA 533	
BH20230601-IN-25	23F0275-04	Drinking Water		EPA 533	
BH20230601-IN-50	23F0275-05	Drinking Water		EPA 533	
BH20230601-IN-75	23F0275-06	Drinking Water		EPA 533	
BH20230601-1 POST	23F0275-07	Drinking Water		EPA 533	
BH20230601-1S-25	23F0275-08	Drinking Water		EPA 533	
BH20230601-1S-50	23F0275-09	Drinking Water		EPA 533	
BH20230601-1S-75	23F0275-10	Drinking Water		EPA 533	
BH20230601-1 MID	23F0275-11	Drinking Water		EPA 533	
BH20230601-2N-25	23F0275-12	Drinking Water		EPA 533	
BH20230601-2N-50	23F0275-13	Drinking Water		EPA 533	
BH20230601-2N-75	23F0275-14	Drinking Water		EPA 533	
BH20230601-2 POST	23F0275-15	Drinking Water		EPA 533	
BH20230601-2S-25	23F0275-16	Drinking Water		EPA 533	
BH20230601-2S-50	23F0275-17	Drinking Water		EPA 533	
BH20230601-2S-75	23F0275-18	Drinking Water		EPA 533	
BH20230601-2 MID	23F0275-19	Drinking Water		EPA 533	

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CASE NARRATIVE SUMMARY

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

EPA 533

Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M2-6:2FTS
23F0275-07[BH20230601-1 POST], 23F0275-09[BH20230601-1S-50], 23F0275-12[BH20230601-2N-25], 23F0275-13[BH20230601-2N-50], 23F0275-17[BH20230601-2S-50], 23F0275-18[BH20230601-2S-75]

M2-8:2FTS
23F0275-01[BH20230601-PRE-GAC], 23F0275-03[BH20230601-POST-GAC-DUP], 23F0275-04[BH20230601-IN-25], 23F0275-05[BH20230601-IN-50], 23F0275-06[BH20230601-IN-75], 23F0275-07[BH20230601-1 POST], 23F0275-08[BH20230601-1S-25], 23F0275-09[BH20230601-1S-50], 23F0275-10[BH20230601-1S-75], 23F0275-11[BH20230601-1 MID], 23F0275-12[BH20230601-2N-25], 23F0275-13[BH20230601-2N-50], 23F0275-14[BH20230601-2N-75], 23F0275-15[BH20230601-2 POST], 23F0275-16[BH20230601-2S-25], 23F0275-17[BH20230601-2S-50], 23F0275-18[BH20230601-2S-75], 23F0275-19[BH20230601-2 MID], B342295-BLK1

PF-18

Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

M2-8:2FTS
23F0275-02[BH20230601-POST-GAC], B342295-MS1, B342295-MSD1

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-8:2FTS
B342295-BS1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)
S089226-CCV2

9Cl-PF3ONS (F53B Minor)
S089226-CCV2

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: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-PRE-GAC | Sampled: 6/1/2023 09:55

Sample ID: 23F0275-01

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)	5.2	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorobutanesulfonic acid (PFBS)	2.4	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoropentanoic acid (PFPeA)	5.2	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorohexanoic acid (PFHxA)	3.4	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorohexanesulfonic acid (PFHxS)	5.2	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluoroheptanoic acid (PFHpA)	1.9	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorooctanoic acid (PFOA)	3.4	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorooctanesulfonic acid (PFOS)	6.3	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:41	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	110		50-200		6/15/23 18:41
M2-8:2FTS	**599**	*	50-200	PF-17	6/15/23 18:41
MPFBA	115		50-200		6/15/23 18:41
M3HFPO-DA	78.8		50-200		6/15/23 18:41
M6PFDA	98.1		50-200		6/15/23 18:41
M3PFBS	115		50-200		6/15/23 18:41
M7PFUnA	89.8		50-200		6/15/23 18:41
M2-6:2FTS	158		50-200		6/15/23 18:41
M5PFPeA	128		50-200		6/15/23 18:41
M5PFHxA	88.5		50-200		6/15/23 18:41
M3PFHxS	112		50-200		6/15/23 18:41
M4PFHpA	95.7		50-200		6/15/23 18:41
M8PFOA	104		50-200		6/15/23 18:41
M8PFOS	106		50-200		6/15/23 18:41
M9PFNA	103		50-200		6/15/23 18:41
MPFDoA	83.0		50-200		6/15/23 18:41

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-POST-GAC

Sample ID: 23F0275-02 | Start Date/Time: 6/1/2023 9:57:00AM

Sample Matrix: Drinking Water | Stop Date/Time: 6/1/2023 10:01:00AM

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)	5.3	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoropentanoic acid (PFPeA)	2.8	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 18:48	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	78.2		50-200		6/15/23 18:48
M2-8:2FTS	**534**	*	50-200	PF-18	6/15/23 18:48
MPFBA	110		50-200		6/15/23 18:48
M3HFPO-DA	94.4		50-200		6/15/23 18:48
M6PFDA	106		50-200		6/15/23 18:48
M3PFBS	107		50-200		6/15/23 18:48
M7PFUnA	96.8		50-200		6/15/23 18:48
M2-6:2FTS	111		50-200		6/15/23 18:48
M5PFPeA	104		50-200		6/15/23 18:48
M5PFHxA	89.3		50-200		6/15/23 18:48
M3PFHxS	107		50-200		6/15/23 18:48
M4PFHpA	94.6		50-200		6/15/23 18:48
M8PFOA	105		50-200		6/15/23 18:48
M8PFOS	103		50-200		6/15/23 18:48
M9PFNA	109		50-200		6/15/23 18:48
MPFDoA	93.0		50-200		6/15/23 18:48

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Project Location: New Windsor, NY Sample Description: Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-POST-GAC-DUP Sampled: 6/1/2023 09:59

Sample ID: 23F0275-03

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)	5.7	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoropentanoic acid (PFPeA)	2.8	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 18:55	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	86.3		50-200		6/15/23 18:55
M2-8:2FTS	**684**	*	50-200	PF-17	6/15/23 18:55
MPFBA	106		50-200		6/15/23 18:55
M3HFPO-DA	86.7		50-200		6/15/23 18:55
M6PFDA	99.2		50-200		6/15/23 18:55
M3PFBS	114		50-200		6/15/23 18:55
M7PFUnA	88.5		50-200		6/15/23 18:55
M2-6:2FTS	131		50-200		6/15/23 18:55
M5PFPeA	98.8		50-200		6/15/23 18:55
M5PFHxA	84.3		50-200		6/15/23 18:55
M3PFHxS	112		50-200		6/15/23 18:55
M4PFHpA	87.7		50-200		6/15/23 18:55
M8PFOA	95.6		50-200		6/15/23 18:55
M8PFOS	111		50-200		6/15/23 18:55
M9PFNA	100		50-200		6/15/23 18:55
MPFDoA	83.4		50-200		6/15/23 18:55

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-IN-25 | Sampled: 6/1/2023 10:11

Sample ID: 23F0275-04

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)	5.7	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoropentanoic acid (PFPeA)	5.5	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorohexanoic acid (PFHxA)	2.2	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:02	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	88.2		50-200		6/15/23 19:02
M2-8:2FTS	**483**	*	50-200	PF-17	6/15/23 19:02
MPFBA	94.2		50-200		6/15/23 19:02
M3HFPO-DA	72.0		50-200		6/15/23 19:02
M6PFDA	76.0		50-200		6/15/23 19:02
M3PFBS	102		50-200		6/15/23 19:02
M7PFUnA	73.8		50-200		6/15/23 19:02
M2-6:2FTS	171		50-200		6/15/23 19:02
M5PFPeA	92.2		50-200		6/15/23 19:02
M5PFHxA	72.5		50-200		6/15/23 19:02
M3PFHxS	96.8		50-200		6/15/23 19:02
M4PFHpA	75.5		50-200		6/15/23 19:02
M8PFOA	85.1		50-200		6/15/23 19:02
M8PFOS	95.3		50-200		6/15/23 19:02
M9PFNA	83.9		50-200		6/15/23 19:02
MPFDoA	74.8		50-200		6/15/23 19:02

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-IN-50 | Sampled: 6/1/2023 10:13

Sample ID: 23F0275-05

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)	6.3	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoropentanoic acid (PFPeA)	5.2	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorohexanoic acid (PFHxA)	1.8	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:10	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	93.6		50-200		6/15/23 19:10
M2-8:2FTS	**505**	*	50-200	PF-17	6/15/23 19:10
MPFBA	95.6		50-200		6/15/23 19:10
M3HFPO-DA	76.5		50-200		6/15/23 19:10
M6PFDA	83.9		50-200		6/15/23 19:10
M3PFBS	102		50-200		6/15/23 19:10
M7PFUnA	87.2		50-200		6/15/23 19:10
M2-6:2FTS	157		50-200		6/15/23 19:10
M5PFPeA	92.2		50-200		6/15/23 19:10
M5PFHxA	75.7		50-200		6/15/23 19:10
M3PFHxS	99.0		50-200		6/15/23 19:10
M4PFHpA	78.2		50-200		6/15/23 19:10
M8PFOA	86.9		50-200		6/15/23 19:10
M8PFOS	91.9		50-200		6/15/23 19:10
M9PFNA	92.4		50-200		6/15/23 19:10
MPFDoA	85.4		50-200		6/15/23 19:10

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-IN-75 | Sampled: 6/1/2023 10:14

Sample ID: 23F0275-06

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)	6.7	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoropentanoic acid (PFPeA)	2.7	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:17	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	77.5		50-200		6/15/23 19:17
M2-8:2FTS	**564**	*	50-200	PF-17	6/15/23 19:17
MPFBA	95.9		50-200		6/15/23 19:17
M3HFPO-DA	75.8		50-200		6/15/23 19:17
M6PFDA	93.1		50-200		6/15/23 19:17
M3PFBS	99.2		50-200		6/15/23 19:17
M7PFUnA	87.4		50-200		6/15/23 19:17
M2-6:2FTS	152		50-200		6/15/23 19:17
M5PFPeA	89.0		50-200		6/15/23 19:17
M5PFHxA	77.3		50-200		6/15/23 19:17
M3PFHxS	97.3		50-200		6/15/23 19:17
M4PFHpA	84.8		50-200		6/15/23 19:17
M8PFOA	93.4		50-200		6/15/23 19:17
M8PFOS	97.0		50-200		6/15/23 19:17
M9PFNA	98.5		50-200		6/15/23 19:17
MPFDoA	87.8		50-200		6/15/23 19:17

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-1 POST | Sampled: 6/1/2023 10:15

Sample ID: 23F0275-07

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)	5.0	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoropentanoic acid (PFPeA)	2.3	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:24	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	87.6		50-200		6/15/23 19:24
M2-8:2FTS	**538**	*	50-200	PF-17	6/15/23 19:24
MPFBA	96.6		50-200		6/15/23 19:24
M3HFPO-DA	67.5		50-200		6/15/23 19:24
M6PFDA	82.3		50-200		6/15/23 19:24
M3PFBS	104		50-200		6/15/23 19:24
M7PFUnA	62.7		50-200		6/15/23 19:24
M2-6:2FTS	**235**	*	50-200	PF-17	6/15/23 19:24
M5PFPeA	88.8		50-200		6/15/23 19:24
M5PFHxA	70.5		50-200		6/15/23 19:24
M3PFHxS	101		50-200		6/15/23 19:24
M4PFHpA	75.9		50-200		6/15/23 19:24
M8PFOA	92.5		50-200		6/15/23 19:24
M8PFOS	101		50-200		6/15/23 19:24
M9PFNA	90.1		50-200		6/15/23 19:24
MPFDoA	90.5		50-200		6/15/23 19:24

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-1S-25 | Sampled: 6/1/2023 10:20

Sample ID: 23F0275-08

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)	5.2	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorobutanesulfonic acid (PFBS)	2.5	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoropentanoic acid (PFPeA)	5.4	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorohexanoic acid (PFHxA)	3.4	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorohexanesulfonic acid (PFHxS)	4.7	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluoroheptanoic acid (PFHpA)	1.8	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorooctanoic acid (PFOA)	3.1	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorooctanesulfonic acid (PFOS)	5.2	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:31	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	109		50-200		6/15/23 19:31
M2-8:2FTS	**654**	*	50-200	PF-17	6/15/23 19:31
MPFBA	102		50-200		6/15/23 19:31
M3HFPO-DA	74.1		50-200		6/15/23 19:31
M6PFDA	89.8		50-200		6/15/23 19:31
M3PFBS	105		50-200		6/15/23 19:31
M7PFUnA	87.1		50-200		6/15/23 19:31
M2-6:2FTS	176		50-200		6/15/23 19:31
M5PFPeA	110		50-200		6/15/23 19:31
M5PFHxA	78.5		50-200		6/15/23 19:31
M3PFHxS	103		50-200		6/15/23 19:31
M4PFHpA	83.5		50-200		6/15/23 19:31
M8PFOA	91.4		50-200		6/15/23 19:31
M8PFOS	102		50-200		6/15/23 19:31
M9PFNA	92.4		50-200		6/15/23 19:31
MPFDoA	90.0		50-200		6/15/23 19:31

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-1S-50 | Sampled: 6/1/2023 10:21

Sample ID: 23F0275-09

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)	6.1	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorobutanesulfonic acid (PFBS)	2.3	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoropentanoic acid (PFPeA)	6.0	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorohexanoic acid (PFHxA)	3.5	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorohexanesulfonic acid (PFHxS)	3.8	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluoroheptanoic acid (PFHpA)	1.9	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorooctanoic acid (PFOA)	3.3	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorooctanesulfonic acid (PFOS)	4.2	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/15/23 19:39	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	126		50-200		6/15/23 19:39
M2-8:2FTS	**639**	*	50-200	PF-17	6/15/23 19:39
MPFBA	103		50-200		6/15/23 19:39
M3HFPO-DA	71.9		50-200		6/15/23 19:39
M6PFDA	92.6		50-200		6/15/23 19:39
M3PFBS	105		50-200		6/15/23 19:39
M7PFUnA	89.8		50-200		6/15/23 19:39
M2-6:2FTS	**259**	*	50-200	PF-17	6/15/23 19:39
M5PFPeA	111		50-200		6/15/23 19:39
M5PFHxA	78.3		50-200		6/15/23 19:39
M3PFHxS	106		50-200		6/15/23 19:39
M4PFHpA	84.4		50-200		6/15/23 19:39
M8PFOA	96.7		50-200		6/15/23 19:39
M8PFOS	102		50-200		6/15/23 19:39
M9PFNA	99.9		50-200		6/15/23 19:39
MPFDoA	92.8		50-200		6/15/23 19:39

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-1S-75 | Sampled: 6/1/2023 10:23

Sample ID: 23F0275-10

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)	5.3	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorobutanesulfonic acid (PFBS)	1.9	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoropentanoic acid (PFPeA)	6.0	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorohexanoic acid (PFHxA)	3.0	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.7	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorooctanoic acid (PFOA)	2.3	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorooctanesulfonic acid (PFOS)	2.9	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/15/23 19:46	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	100		50-200		6/15/23 19:46
M2-8:2FTS	**594**	*	50-200	PF-17	6/15/23 19:46
MPFBA	105		50-200		6/15/23 19:46
M3HFPO-DA	82.3		50-200		6/15/23 19:46
M6PFDA	97.3		50-200		6/15/23 19:46
M3PFBS	103		50-200		6/15/23 19:46
M7PFUnA	95.7		50-200		6/15/23 19:46
M2-6:2FTS	149		50-200		6/15/23 19:46
M5PFPeA	110		50-200		6/15/23 19:46
M5PFHxA	84.4		50-200		6/15/23 19:46
M3PFHxS	98.8		50-200		6/15/23 19:46
M4PFHpA	90.7		50-200		6/15/23 19:46
M8PFOA	97.5		50-200		6/15/23 19:46
M8PFOS	98.7		50-200		6/15/23 19:46
M9PFNA	102		50-200		6/15/23 19:46
MPFDoA	89.9		50-200		6/15/23 19:46

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-1 MID | Sampled: 6/1/2023 10:24

Sample ID: 23F0275-11

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)	5.6	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorobutanesulfonic acid (PFBS)	2.0	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoropentanoic acid (PFPeA)	5.7	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorohexanoic acid (PFHxA)	3.3	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.3	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorooctanoic acid (PFOA)	2.0	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorooctanesulfonic acid (PFOS)	2.2	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:35	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	103		50-200		6/16/23 10:35
M2-8:2FTS	**526**	*	50-200	PF-17	6/16/23 10:35
MPFBA	103		50-200		6/16/23 10:35
M3HFPO-DA	83.9		50-200		6/16/23 10:35
M6PFDA	95.4		50-200		6/16/23 10:35
M3PFBS	107		50-200		6/16/23 10:35
M7PFUnA	91.0		50-200		6/16/23 10:35
M2-6:2FTS	164		50-200		6/16/23 10:35
M5PFPeA	117		50-200		6/16/23 10:35
M5PFHxA	88.2		50-200		6/16/23 10:35
M3PFHxS	102		50-200		6/16/23 10:35
M4PFHpA	91.0		50-200		6/16/23 10:35
M8PFOA	99.1		50-200		6/16/23 10:35
M8PFOS	94.8		50-200		6/16/23 10:35
M9PFNA	100		50-200		6/16/23 10:35
MPFDoA	93.6		50-200		6/16/23 10:35

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2N-25 | Sampled: 6/1/2023 10:29

Sample ID: 23F0275-12

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)	5.2	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoropentanoic acid (PFPeA)	4.8	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorohexanoic acid (PFHxA)	2.3	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorooctanoic acid (PFOA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	6/13/23	6/16/23 10:42	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	155		50-200		6/16/23 10:42
M2-8:2FTS	**655**	*	50-200	PF-17	6/16/23 10:42
MPFBA	111		50-200		6/16/23 10:42
M3HFPO-DA	84.0		50-200		6/16/23 10:42
M6PFDA	98.4		50-200		6/16/23 10:42
M3PFBS	118		50-200		6/16/23 10:42
M7PFUnA	101		50-200		6/16/23 10:42
M2-6:2FTS	**269**	*	50-200	PF-17	6/16/23 10:42
M5PFPeA	120		50-200		6/16/23 10:42
M5PFHxA	91.5		50-200		6/16/23 10:42
M3PFHxS	111		50-200		6/16/23 10:42
M4PFHpA	98.0		50-200		6/16/23 10:42
M8PFOA	112		50-200		6/16/23 10:42
M8PFOS	102		50-200		6/16/23 10:42
M9PFNA	111		50-200		6/16/23 10:42
MPFDoA	107		50-200		6/16/23 10:42

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2N-50 | Sampled: 6/1/2023 10:31

Sample ID: 23F0275-13

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)	5.4	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoropentanoic acid (PFPeA)	4.7	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorohexanoic acid (PFHxA)	1.9	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 10:50	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	129		50-200		6/16/23 10:50
M2-8:2FTS	**533**	*	50-200	PF-17	6/16/23 10:50
MPFBA	105		50-200		6/16/23 10:50
M3HFPO-DA	80.5		50-200		6/16/23 10:50
M6PFDA	91.6		50-200		6/16/23 10:50
M3PFBS	113		50-200		6/16/23 10:50
M7PFUnA	90.8		50-200		6/16/23 10:50
M2-6:2FTS	**218**	*	50-200	PF-17	6/16/23 10:50
M5PFPeA	105		50-200		6/16/23 10:50
M5PFHxA	84.9		50-200		6/16/23 10:50
M3PFHxS	107		50-200		6/16/23 10:50
M4PFHpA	90.7		50-200		6/16/23 10:50
M8PFOA	98.0		50-200		6/16/23 10:50
M8PFOS	94.3		50-200		6/16/23 10:50
M9PFNA	102		50-200		6/16/23 10:50
MPFDoA	92.8		50-200		6/16/23 10:50

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2N-75 | Sampled: 6/1/2023 10:32

Sample ID: 23F0275-14

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)	6.7	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoropentanoic acid (PFPeA)	3.6	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 10:57	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	93.1		50-200		6/16/23 10:57
M2-8:2FTS	**590**	*	50-200	PF-17	6/16/23 10:57
MPFBA	99.2		50-200		6/16/23 10:57
M3HFPO-DA	83.1		50-200		6/16/23 10:57
M6PFDA	86.6		50-200		6/16/23 10:57
M3PFBS	107		50-200		6/16/23 10:57
M7PFUnA	84.0		50-200		6/16/23 10:57
M2-6:2FTS	150		50-200		6/16/23 10:57
M5PFPeA	94.1		50-200		6/16/23 10:57
M5PFHxA	81.5		50-200		6/16/23 10:57
M3PFHxS	97.1		50-200		6/16/23 10:57
M4PFHpA	87.2		50-200		6/16/23 10:57
M8PFOA	89.3		50-200		6/16/23 10:57
M8PFOS	93.2		50-200		6/16/23 10:57
M9PFNA	93.1		50-200		6/16/23 10:57
MPFDoA	91.9		50-200		6/16/23 10:57

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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: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2 POST | Sampled: 6/1/2023 10:36

Sample ID: 23F0275-15

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)	5.8	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoropentanoic acid (PFPeA)	2.8	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	3.1	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:04	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	87.8		50-200		6/16/23 11:04
M2-8:2FTS	**553**	*	50-200	PF-17	6/16/23 11:04
MPFBA	93.3		50-200		6/16/23 11:04
M3HFPO-DA	70.8		50-200		6/16/23 11:04
M6PFDA	85.5		50-200		6/16/23 11:04
M3PFBS	111		50-200		6/16/23 11:04
M7PFUnA	86.8		50-200		6/16/23 11:04
M2-6:2FTS	194		50-200		6/16/23 11:04
M5PFPeA	88.1		50-200		6/16/23 11:04
M5PFHxA	71.4		50-200		6/16/23 11:04
M3PFHxS	103		50-200		6/16/23 11:04
M4PFHpA	77.3		50-200		6/16/23 11:04
M8PFOA	86.4		50-200		6/16/23 11:04
M8PFOS	96.4		50-200		6/16/23 11:04
M9PFNA	92.0		50-200		6/16/23 11:04
MPFDoA	87.7		50-200		6/16/23 11:04

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2S-25 | Sampled: 6/1/2023 10:40

Sample ID: 23F0275-16

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)	5.0	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorobutanesulfonic acid (PFBS)	2.6	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoropentanoic acid (PFPeA)	5.0	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorohexanoic acid (PFHxA)	3.6	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorohexanesulfonic acid (PFHxS)	4.5	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluoroheptanoic acid (PFHpA)	1.9	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorooctanoic acid (PFOA)	3.2	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorooctanesulfonic acid (PFOS)	5.7	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:11	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	114		50-200		6/16/23 11:11
M2-8:2FTS	**617**	*	50-200	PF-17	6/16/23 11:11
MPFBA	102		50-200		6/16/23 11:11
M3HFPO-DA	75.4		50-200		6/16/23 11:11
M6PFDA	89.9		50-200		6/16/23 11:11
M3PFBS	108		50-200		6/16/23 11:11
M7PFUnA	87.6		50-200		6/16/23 11:11
M2-6:2FTS	188		50-200		6/16/23 11:11
M5PFPeA	114		50-200		6/16/23 11:11
M5PFHxA	80.1		50-200		6/16/23 11:11
M3PFHxS	100		50-200		6/16/23 11:11
M4PFHpA	85.9		50-200		6/16/23 11:11
M8PFOA	93.7		50-200		6/16/23 11:11
M8PFOS	99.2		50-200		6/16/23 11:11
M9PFNA	89.9		50-200		6/16/23 11:11
MPFDoA	88.1		50-200		6/16/23 11:11

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2S-50 | Sampled: 6/1/2023 10:41

Sample ID: 23F0275-17

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)	6.1	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorobutanesulfonic acid (PFBS)	2.2	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoropentanoic acid (PFPeA)	6.2	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorohexanoic acid (PFHxA)	3.3	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorohexanesulfonic acid (PFHxS)	3.3	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorooctanoic acid (PFOA)	2.9	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorooctanesulfonic acid (PFOS)	3.9	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/13/23	6/16/23 11:18	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	150		50-200		6/16/23 11:18
M2-8:2FTS	**573**	*	50-200	PF-17	6/16/23 11:18
MPFBA	98.3		50-200		6/16/23 11:18
M3HFPO-DA	74.0		50-200		6/16/23 11:18
M6PFDA	79.5		50-200		6/16/23 11:18
M3PFBS	110		50-200		6/16/23 11:18
M7PFUnA	84.0		50-200		6/16/23 11:18
M2-6:2FTS	**273**	*	50-200	PF-17	6/16/23 11:18
M5PFPeA	104		50-200		6/16/23 11:18
M5PFHxA	75.5		50-200		6/16/23 11:18
M3PFHxS	106		50-200		6/16/23 11:18
M4PFHpA	83.0		50-200		6/16/23 11:18
M8PFOA	89.2		50-200		6/16/23 11:18
M8PFOS	97.6		50-200		6/16/23 11:18
M9PFNA	87.0		50-200		6/16/23 11:18
MPFDoA	85.5		50-200		6/16/23 11:18

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2S-75 | Sampled: 6/1/2023 10:42

Sample ID: 23F0275-18

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)	5.6	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoropentanoic acid (PFPeA)	5.3	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorohexanoic acid (PFHxA)	3.1	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorohexanesulfonic acid (PFHxS)	3.1	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorooctanoic acid (PFOA)	2.4	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorooctanesulfonic acid (PFOS)	2.7	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:26	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	144		50-200		6/16/23 11:26
M2-8:2FTS	**494**	*	50-200	PF-17	6/16/23 11:26
MPFBA	98.4		50-200		6/16/23 11:26
M3HFPO-DA	72.2		50-200		6/16/23 11:26
M6PFDA	89.4		50-200		6/16/23 11:26
M3PFBS	105		50-200		6/16/23 11:26
M7PFUnA	91.8		50-200		6/16/23 11:26
M2-6:2FTS	**267**	*	50-200	PF-17	6/16/23 11:26
M5PFPeA	108		50-200		6/16/23 11:26
M5PFHxA	79.5		50-200		6/16/23 11:26
M3PFHxS	98.6		50-200		6/16/23 11:26
M4PFHpA	82.4		50-200		6/16/23 11:26
M8PFOA	93.0		50-200		6/16/23 11:26
M8PFOS	93.6		50-200		6/16/23 11:26
M9PFNA	95.6		50-200		6/16/23 11:26
MPFDoA	91.3		50-200		6/16/23 11:26

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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: 23F0275

Date Received: 6/2/2023

Field Sample #: BH20230601-2 MID | Sampled: 6/1/2023 10:45

Sample ID: 23F0275-19

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)	5.5	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoropentanoic acid (PFPeA)	5.3	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorohexanoic acid (PFHxA)	2.8	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.6	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorooctanoic acid (PFOA)	1.9	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorooctanesulfonic acid (PFOS)	2.2	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/13/23	6/16/23 11:33	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	98.3		50-200		6/16/23 11:33
M2-8:2FTS	**544**	*	50-200	PF-17	6/16/23 11:33
MPFBA	96.4		50-200		6/16/23 11:33
M3HFPO-DA	79.4		50-200		6/16/23 11:33
M6PFDA	86.5		50-200		6/16/23 11:33
M3PFBS	102		50-200		6/16/23 11:33
M7PFUnA	84.8		50-200		6/16/23 11:33
M2-6:2FTS	174		50-200		6/16/23 11:33
M5PFPeA	99.0		50-200		6/16/23 11:33
M5PFHxA	74.3		50-200		6/16/23 11:33
M3PFHxS	95.5		50-200		6/16/23 11:33
M4PFHpA	80.4		50-200		6/16/23 11:33
M8PFOA	85.9		50-200		6/16/23 11:33
M8PFOS	97.3		50-200		6/16/23 11:33
M9PFNA	86.4		50-200		6/16/23 11:33
MPFDoA	85.2		50-200		6/16/23 11:33

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F0275-01 [BH20230601-PRE-GAC]	B342295	267	1.00	06/13/23
23F0275-02 [BH20230601-POST-GAC]	B342295	269	1.00	06/13/23
23F0275-03 [BH20230601-POST-GAC-DUP]	B342295	275	1.00	06/13/23
23F0275-04 [BH20230601-IN-25]	B342295	273	1.00	06/13/23
23F0275-05 [BH20230601-IN-50]	B342295	272	1.00	06/13/23
23F0275-06 [BH20230601-IN-75]	B342295	284	1.00	06/13/23
23F0275-07 [BH20230601-1 POST]	B342295	276	1.00	06/13/23
23F0275-08 [BH20230601-1S-25]	B342295	275	1.00	06/13/23
23F0275-09 [BH20230601-1S-50]	B342295	260	1.00	06/13/23
23F0275-10 [BH20230601-1S-75]	B342295	274	1.00	06/13/23
23F0275-11 [BH20230601-1 MID]	B342295	271	1.00	06/13/23
23F0275-12 [BH20230601-2N-25]	B342295	288	1.00	06/13/23
23F0275-13 [BH20230601-2N-50]	B342295	273	1.00	06/13/23
23F0275-14 [BH20230601-2N-75]	B342295	259	1.00	06/13/23
23F0275-15 [BH20230601-2 POST]	B342295	275	1.00	06/13/23
23F0275-16 [BH20230601-2S-25]	B342295	278	1.00	06/13/23
23F0275-17 [BH20230601-2S-50]	B342295	266	1.00	06/13/23
23F0275-18 [BH20230601-2S-75]	B342295	273	1.00	06/13/23
23F0275-19 [BH20230601-2 MID]	B342295	282	1.00	06/13/23

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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 B342295 - EPA 533												
Blank (B342295-BLK1)					Prepared: 06/13/23 Analyzed: 06/15/23							
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 Major)	ND	2.0		ng/L								
9Cl-PF3ONS (F53B Minor)	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								
Perfluoropentanesulfonic 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	*29.9*			ng/L	37.2		80.4		50-200			
Surrogate: M2-8:2FTS	*182*			ng/L	38.1		**479**	*	50-200			PF-17
Surrogate: MPFBA	*41.4*			ng/L	39.6		105		50-200			
Surrogate: M3HFPO-DA	*31.9*			ng/L	39.6		80.4		50-200			
Surrogate: M6PFDA	*39.1*			ng/L	39.6		98.6		50-200			
Surrogate: M3PFBS	*37.0*			ng/L	36.9		100		50-200			
Surrogate: M7PFUnA	*36.0*			ng/L	39.6		90.9		50-200			
Surrogate: M2-6:2FTS	*48.5*			ng/L	37.7		129		50-200			
Surrogate: M5PFPeA	*39.6*			ng/L	39.6		99.9		50-200			
Surrogate: M5PFHxA	*33.9*			ng/L	39.6		85.5		50-200			
Surrogate: M3PFHxS	*36.4*			ng/L	37.6		96.8		50-200			
Surrogate: M4PFHpA	*35.8*			ng/L	39.6		90.2		50-200			
Surrogate: M8PFOA	*38.8*			ng/L	39.6		98.0		50-200			
Surrogate: M8PFOS	*35.9*			ng/L	38.0		94.3		50-200			
Surrogate: M9PFNA	*41.4*			ng/L	39.6		105		50-200			
Surrogate: MPFDoA	*33.9*			ng/L	39.6		85.4		50-200			
LCS (B342295-BS1)					Prepared: 06/13/23 Analyzed: 06/15/23							
Perfluorobutanoic acid (PFBA)	24.8	2.0		ng/L	19.8		125		70-130			
Perfluorobutanesulfonic acid (PFBS)	21.9	2.0		ng/L	17.5		125		70-130			
Perfluoropentanoic acid (PFPeA)	24.7	2.0		ng/L	19.8		125		70-130			
Perfluorohexanoic acid (PFHxA)	24.4	2.0		ng/L	19.8		124		70-130			
11Cl-PF3OUdS (F53B Major)	21.1	2.0		ng/L	18.6		113		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 B342295 - EPA 533												
LCS (B342295-BS1)					Prepared: 06/13/23 Analyzed: 06/15/23							
9Cl-PF3ONS (F53B Minor)	22.2	2.0		ng/L	18.4		121		70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	22.1	2.0		ng/L	18.6		119		70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	21.7	2.0		ng/L	19.8		110		70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	23.4	2.0		ng/L	19.0		123		70-130			
Perfluorodecanoic acid (PFDA)	23.5	2.0		ng/L	19.8		119		70-130			
Perfluorododecanoic acid (PFDoA)	25.0	2.0		ng/L	19.8		127		70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	22.2	2.0		ng/L	17.6		126		70-130			
Perfluoroheptanesulfonic acid (PFHpS)	19.5	2.0		ng/L	18.9		103		70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	20.8	2.0		ng/L	18.5		113		70-130			
Perfluorohexanesulfonic acid (PFHxS)	21.6	2.0		ng/L	18.1		119		70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	22.2	2.0		ng/L	19.8		113		70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	21.7	2.0		ng/L	19.8		110		70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	19.2	2.0		ng/L	18.8		102		70-130			
Perfluoropentanesulfonic acid (PFPeS)	22.4	2.0		ng/L	18.6		121		70-130			
Perfluoroundecanoic acid (PFUnA)	24.8	2.0		ng/L	19.8		125		70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	21.7	2.0		ng/L	19.8		110		70-130			
Perfluoroheptanoic acid (PFHpA)	24.0	2.0		ng/L	19.8		121		70-130			
Perfluorooctanoic acid (PFOA)	24.5	2.0		ng/L	19.8		124		70-130			
Perfluorooctanesulfonic acid (PFOS)	21.0	2.0		ng/L	18.3		115		70-130			
Perfluorononanoic acid (PFNA)	21.1	2.0		ng/L	19.8		107		70-130			
Surrogate: M2-4:2FTS	*29.9*			ng/L	37.1		80.6		50-200			
Surrogate: M2-8:2FTS	*138*			ng/L	38.0		**363**	*	50-200			S-29
Surrogate: MPFBA	*42.1*			ng/L	39.5		106		50-200			
Surrogate: M3HFPO-DA	*32.0*			ng/L	39.5		81.0		50-200			
Surrogate: M6PFDA	*40.3*			ng/L	39.5		102		50-200			
Surrogate: M3PFBS	*35.5*			ng/L	36.8		96.5		50-200			
Surrogate: M7PFUnA	*36.8*			ng/L	39.5		93.0		50-200			
Surrogate: M2-6:2FTS	*42.2*			ng/L	37.6		112		50-200			
Surrogate: M5PFPeA	*41.7*			ng/L	39.5		105		50-200			
Surrogate: M5PFHxA	*35.0*			ng/L	39.5		88.5		50-200			
Surrogate: M3PFHxS	*37.1*			ng/L	37.5		98.9		50-200			
Surrogate: M4PFHpA	*36.3*			ng/L	39.5		91.9		50-200			
Surrogate: M8PFOA	*39.3*			ng/L	39.5		99.3		50-200			
Surrogate: M8PFOS	*39.7*			ng/L	37.9		105		50-200			
Surrogate: M9PFNA	*42.1*			ng/L	39.5		106		50-200			
Surrogate: MPFDoA	*34.5*			ng/L	39.5		87.3		50-200			
Matrix Spike (B342295-MS1)		**Source: 23F0275-02**			Prepared: 06/13/23 Analyzed: 06/15/23							
Perfluorobutanoic acid (PFBA)	28.5	1.9		ng/L	18.8	5.34	123		70-130			
Perfluorobutanesulfonic acid (PFBS)	20.4	1.9		ng/L	16.7	ND	123		70-130			
Perfluoropentanoic acid (PFPeA)	25.4	1.9		ng/L	18.8	2.75	120		70-130			
Perfluorohexanoic acid (PFHxA)	24.4	1.9		ng/L	18.8	0.792	125		70-130			
11Cl-PF3OUdS (F53B Major)	20.7	1.9		ng/L	17.7	ND	117		70-130			
9Cl-PF3ONS (F53B Minor)	22.0	1.9		ng/L	17.6	ND	125		70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	19.3	1.9		ng/L	17.7	ND	109		70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	20.1	1.9		ng/L	18.8	ND	107		70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	21.7	1.9		ng/L	18.1	ND	120		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 B342295 - EPA 533												
Matrix Spike (B342295-MS1)	**Source: 23F0275-02**				Prepared: 06/13/23 Analyzed: 06/15/23							
Perfluorodecanoic acid (PFDA)	21.5	1.9		ng/L	18.8	ND	114		70-130			
Perfluorododecanoic acid (PFDoA)	22.0	1.9		ng/L	18.8	ND	117		70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	20.7	1.9		ng/L	16.8	ND	124		70-130			
Perfluoroheptanesulfonic acid (PFHpS)	19.7	1.9		ng/L	18.0	ND	110		70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	19.0	1.9		ng/L	17.6	ND	108		70-130			
Perfluorohexanesulfonic acid (PFHxS)	19.9	1.9		ng/L	17.2	ND	115		70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	20.7	1.9		ng/L	18.8	ND	110		70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.0	1.9		ng/L	18.8	ND	106		70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	15.8	1.9		ng/L	17.9	ND	88.3		70-130			
Perfluoropentanesulfonic acid (PFPeS)	20.4	1.9		ng/L	17.7	ND	115		70-130			
Perfluoroundecanoic acid (PFUnA)	22.0	1.9		ng/L	18.8	ND	117		70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	20.4	1.9		ng/L	18.8	ND	108		70-130			
Perfluoroheptanoic acid (PFHpA)	21.6	1.9		ng/L	18.8	ND	114		70-130			
Perfluorooctanoic acid (PFOA)	24.0	1.9		ng/L	18.8	ND	127		70-130			
Perfluorooctanesulfonic acid (PFOS)	20.6	1.9		ng/L	17.4	ND	118		70-130			
Perfluorononanoic acid (PFNA)	18.7	1.9		ng/L	18.8	ND	99.4		70-130			
Surrogate: M2-4:2FTS	*30.2*			ng/L	35.3		85.5		50-200			
Surrogate: M2-8:2FTS	*205*			ng/L	36.2		**565**	*	50-200			PF-18
Surrogate: MPFBA	*38.2*			ng/L	37.7		101		50-200			
Surrogate: M3HFPO-DA	*29.1*			ng/L	37.7		77.3		50-200			
Surrogate: M6PFDA	*35.3*			ng/L	37.7		93.8		50-200			
Surrogate: M3PFBS	*35.8*			ng/L	35.1		102		50-200			
Surrogate: M7PFUnA	*32.7*			ng/L	37.7		86.9		50-200			
Surrogate: M2-6:2FTS	*49.9*			ng/L	35.8		139		50-200			
Surrogate: M5PFPeA	*37.4*			ng/L	37.7		99.2		50-200			
Surrogate: M5PFHxA	*30.3*			ng/L	37.7		80.3		50-200			
Surrogate: M3PFHxS	*37.0*			ng/L	35.7		104		50-200			
Surrogate: M4PFHpA	*32.4*			ng/L	37.7		86.0		50-200			
Surrogate: M8PFOA	*34.2*			ng/L	37.7		90.8		50-200			
Surrogate: M8PFOS	*36.5*			ng/L	36.1		101		50-200			
Surrogate: M9PFNA	*36.2*			ng/L	37.7		96.1		50-200			
Surrogate: MPFDoA	*32.9*			ng/L	37.7		87.3		50-200			
Matrix Spike Dup (B342295-MSD1)	**Source: 23F0275-02**				Prepared: 06/13/23 Analyzed: 06/15/23							
Perfluorobutanoic acid (PFBA)	28.2	1.9		ng/L	18.8	5.34	121		70-130	1.20	30	
Perfluorobutanesulfonic acid (PFBS)	20.4	1.9		ng/L	16.7	ND	122		70-130	0.198	30	
Perfluoropentanoic acid (PFPeA)	25.6	1.9		ng/L	18.8	2.75	121		70-130	0.782	30	
Perfluorohexanoic acid (PFHxA)	23.3	1.9		ng/L	18.8	0.792	120		70-130	4.35	30	
11Cl-PF3OUdS (F53B Major)	20.4	1.9		ng/L	17.7	ND	115		70-130	1.73	30	
9Cl-PF3ONS (F53B Minor)	21.6	1.9		ng/L	17.5	ND	123		70-130	1.87	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	19.7	1.9		ng/L	17.7	ND	111		70-130	1.83	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	19.6	1.9		ng/L	18.8	ND	104		70-130	2.64	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	22.6	1.9		ng/L	18.1	ND	125		70-130	3.98	30	
Perfluorodecanoic acid (PFDA)	21.4	1.9		ng/L	18.8	ND	114		70-130	0.683	30	
Perfluorododecanoic acid (PFDoA)	22.9	1.9		ng/L	18.8	ND	122		70-130	4.30	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	20.4	1.9		ng/L	16.8	ND	122		70-130	1.49	30	
Perfluoroheptanesulfonic acid (PFHpS)	20.2	1.9		ng/L	18.0	ND	113		70-130	2.61	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	19.7	1.9		ng/L	17.6	ND	112		70-130	3.50	30	

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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 B342295 - EPA 533												
Matrix Spike Dup (B342295-MSD1)	**Source: 23F0275-02**				Prepared: 06/13/23 Analyzed: 06/15/23							
Perfluorohexanesulfonic acid (PFHxS)	20.7	1.9		ng/L	17.2	ND	120		70-130	3.93	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	20.8	1.9		ng/L	18.8	ND	110		70-130	0.399	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	20.1	1.9		ng/L	18.8	ND	107		70-130	0.130	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	17.3	1.9		ng/L	17.9	ND	96.9		70-130	9.28	30	
Perfluoropentanesulfonic acid (PFPeS)	22.4	1.9		ng/L	17.7	ND	127		70-130	9.35	30	
Perfluoroundecanoic acid (PFUnA)	21.9	1.9		ng/L	18.8	ND	117		70-130	0.292	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	21.1	1.9		ng/L	18.8	ND	112		70-130	3.66	30	
Perfluoroheptanoic acid (PFHpA)	21.6	1.9		ng/L	18.8	ND	115		70-130	0.147	30	
Perfluorooctanoic acid (PFOA)	23.4	1.9		ng/L	18.8	ND	124		70-130	2.48	30	
Perfluorooctanesulfonic acid (PFOS)	20.3	1.9		ng/L	17.4	ND	116		70-130	1.75	30	
Perfluorononanoic acid (PFNA)	18.5	1.9		ng/L	18.8	ND	98.3		70-130	1.14	30	
Surrogate: M2-4:2FTS	*31.2*			ng/L	35.3		88.3		50-200			
Surrogate: M2-8:2FTS	*241*			ng/L	36.2		**668**	*	50-200			PF-18
Surrogate: MPFBA	*38.5*			ng/L	37.7		102		50-200			
Surrogate: M3HFPO-DA	*32.6*			ng/L	37.7		86.7		50-200			
Surrogate: M6PFDA	*38.6*			ng/L	37.7		103		50-200			
Surrogate: M3PFBS	*39.5*			ng/L	35.1		113		50-200			
Surrogate: M7PFUnA	*35.0*			ng/L	37.7		93.0		50-200			
Surrogate: M2-6:2FTS	*44.2*			ng/L	35.8		123		50-200			
Surrogate: M5PFPeA	*37.7*			ng/L	37.7		100		50-200			
Surrogate: M5PFHxA	*32.7*			ng/L	37.7		86.8		50-200			
Surrogate: M3PFHxS	*38.4*			ng/L	35.7		107		50-200			
Surrogate: M4PFHpA	*35.2*			ng/L	37.7		93.5		50-200			
Surrogate: M8PFOA	*36.7*			ng/L	37.7		97.4		50-200			
Surrogate: M8PFOS	*39.2*			ng/L	36.1		108		50-200			
Surrogate: M9PFNA	*39.5*			ng/L	37.7		105		50-200			
Surrogate: MPFDoA	*33.0*			ng/L	37.7		87.7		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.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
PF-18	Duplicate analysis confirmed Extracted Internal Standard failure due to matrix effects.
S-29	Extracted Internal Standard is outside of control limits.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2024
ME	State of Maine	MA00100	06/9/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024

Pace Analytical®

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Fax: 612-607-6344

23F0275
RJM

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 4

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

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
Pace Analytical 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

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	24 1-P EPA 533	# of Containers	[2] Preservation Code	[3] Container Code
1	BH20230601-PRE-GAC	6/1/23	09:55		✓	DW		2			
2	BH20230601-POST GAC		09:57		✓	DW		2			
3	BH20230601-POST GAC-DUP		09:59		✓	DW		2			
2	BH20230601-POST GAC MS/MSD		10:01		✓	DW		6			
4	BH20230601-IN-25		10:11		✓	DW		2			
5	BH20230601-IN-50		10:13		✓	DW		2			
6	BH20230601-IN-75		10:14		✓	DW		2			
7	BH20230601-IPOST		10:15		✓	DW		2			
8	BH20230601-IS-25		10:20		✓	DW		2			
9	BH20230601-IS-50		10:21		✓	DW		2			

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)

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 by: (signature) Meg Fitzgerald	Date/Time: 6/1/23 12:50	
Received by: (signature) 5.4°C/3.0	Date/Time: 0955 6-2-23	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time: 6/1 12:50	

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

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Pace Analytical®

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https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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

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
Pace Analytical 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

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	20	1	P	EPA 533	# of Containers	[2] Preservation Code	[3] Container Code
10	BH20230601-1S-75	6/1/23	10:23		✓	DW					2			
11	BH20230601-1MID		10:24		✓	DW					2			
12	BH20230601-2N-25		10:29		✓	DW					2			
13	BH20230601-2N-50		10:31		✓	DW					2			
14	BH20230601-2N-75		10:32		✓	DW					2			
15	BH20230601-2POST		10:36		✓	DW					2			
16	BH20230601-2S-25		10:40		✓	DW					2			
17	BH20230601-2S-50		10:41		✓	DW					2			
18	BH20230601-2S-75		10:42		✓	DW					2			
19	BH20230601-2MID		10:45		✓	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

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O = Other (please define)

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G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature) Meg Fitzgerald	Date/Time: 6/1 12:50	
Received by: (signature) 5.4°C/3.0	Date/Time: 0955 6-2-23	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time: 6/1 12:50	

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

-1C

Table of Contents

[redacted]

FedEx® Tracking

DELIVERED

Friday

6/2/2023 at 9:55 am

Signature release on file
Package delivered to recipient address

Obtain proof of delivery

DELIVERY STATUS

Delivered

TRACKING ID

772317400562

FROM
Newburgh, NY US

Label Created
6/1/2023 12:09 PM

PACKAGE RECEIVED BY FEDEX
NEWBURGH, NY
6/1/2023 4:36 PM

IN TRANSIT
WINDSOR LOCKS, CT
6/2/2023 7:42 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
6/2/2023 7:52 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
6/2/2023 at 9:55 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

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East Longmeadow, MA. 01028
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F:413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

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

Pace
PEOPLE ADVANCING SCIENCE

Client NYSDES/ARCADIS
Project Stewart ANG-butterhil
MCP/RCP Required N/A
Deliverable Package Requirement N/A
Location New Windsor, NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐
Received By / Date / Time AAM/6-23/0955
~~Back-Sheet By / Date / Time~~ AAM/6-23/1205
Temperature Method Temp. Gun # 5
Temp ☑ < 6° C Actual Temperature 5.4/3.0°C
Rush Samples: Yes / (No) Notify
Short Hold: Yes / (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☐
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
~~Is there enough Volume~~	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☑	☐
MS/MSD	☑	☐
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

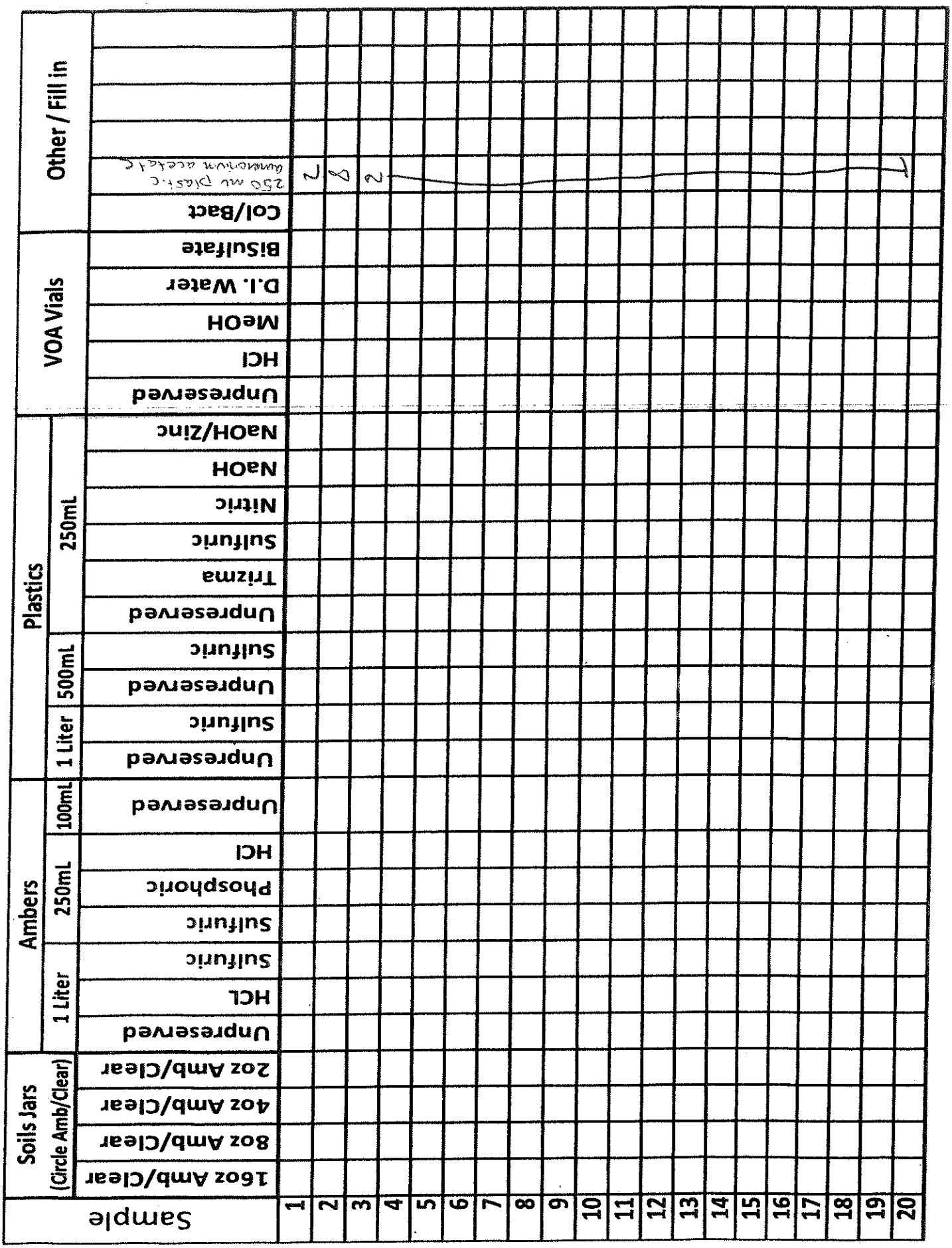
COC Included: (Check all included)
Client ☑ Analysis ☑ Sampler Name ☑
Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Notes regarding Samples/COC outside of SOP:

Split workorder after the first 20 samples

Additional Container Notes



Sample	Soils Jars (Circle Amb/Clear)				Ambers						Plastics										VOA Vials						Other / Fill in				
	16oz Amb/Clear	8oz Amb/Clear	4oz Amb/Clear	2oz Amb/Clear	1 Liter		250mL			100mL	1 Liter		500mL		250mL						Unpreserved	HCl	MeOH	D.I. Water	Bisulfate	Col/Bact	250 mL Plastic Ammonium acetate				
					Unpreserved	HCL	Sulfuric	Sulfuric	Phosphoric	HCl	Unpreserved	Unpreserved	Sulfuric	Unpreserved	Trizma	Sulfuric	Nitric	NaOH	NaOH/Zinc													
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June 22, 2023

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: 23F0290

Enclosed are results of analyses for samples as received by the laboratory on June 2, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
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: 6/22/2023

PURCHASE ORDER NUMBER: 141586

PROJECT NUMBER: 30058345

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23F0290

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
BH20230601-3N-25	23F0290-01	Drinking Water		EPA 533	
BH20230601-3N-75	23F0290-02	Drinking Water		EPA 533	
BH20230601-3N-50	23F0290-03	Drinking Water		EPA 533	
BH20230601-3 POST	23F0290-04	Drinking Water		EPA 533	
BH20230601-3S-25	23F0290-05	Drinking Water		EPA 533	
BH20230601-3S-50	23F0290-06	Drinking Water		EPA 533	
BH20230601-3S-75	23F0290-07	Drinking Water		EPA 533	
BH20230601-3 MID	23F0290-08	Drinking Water		EPA 533	
BH20230601-1 RAW	23F0290-09	Drinking Water		EPA 533	
BH20230601-2 RAW	23F0290-10	Drinking Water		EPA 533	
BH20230601-3 RAW	23F0290-11	Drinking Water		EPA 533	

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CASE NARRATIVE SUMMARY

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

EPA 533

Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M2-8:2FTS

23F0290-01[BH20230601-3N-25], 23F0290-03[BH20230601-3N-50], 23F0290-04RE1[BH20230601-3 POST], 23F0290-06[BH20230601-3S-50], 23F0290-07[BH20230601-3S-75], 23F0290-08[BH20230601-3 MID], 23F0290-09[BH20230601-1 RAW], 23F0290-10[BH20230601-2 RAW], 23F0290-11[BH20230601-3 RAW], B343575-BLK1

S-29

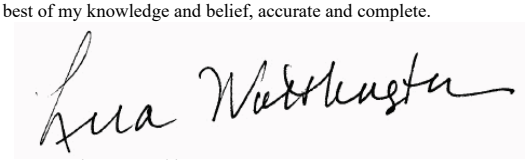
Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-8:2FTS

B343575-BS1, B343575-BSD1

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: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3N-25 | Sampled: 6/1/2023 10:49

Sample ID: 23F0290-01

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)	5.6	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoropentanoic acid (PFPeA)	5.7	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorohexanoic acid (PFHxA)	2.8	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:47	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	115		50-200		6/15/23 12:47
M2-8:2FTS	**264**	*	50-200	PF-17	6/15/23 12:47
MPFBA	100		50-200		6/15/23 12:47
M3HFPO-DA	64.9		50-200		6/15/23 12:47
M6PFDA	81.7		50-200		6/15/23 12:47
M3PFBS	103		50-200		6/15/23 12:47
M7PFUnA	81.5		50-200		6/15/23 12:47
M2-6:2FTS	186		50-200		6/15/23 12:47
M5PFPeA	98.3		50-200		6/15/23 12:47
M5PFHxA	79.0		50-200		6/15/23 12:47
M3PFHxS	98.5		50-200		6/15/23 12:47
M4PFHpA	84.4		50-200		6/15/23 12:47
M8PFOA	93.8		50-200		6/15/23 12:47
M8PFOS	91.4		50-200		6/15/23 12:47
M9PFNA	96.8		50-200		6/15/23 12:47
MPFDoA	81.6		50-200		6/15/23 12:47

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3N-75 | Sampled: 6/1/2023 10:53

Sample ID: 23F0290-02

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)	7.0	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoropentanoic acid (PFPeA)	3.1	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 12:54	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	65.2	50-200		6/15/23 12:54
M2-8:2FTS	183	50-200		6/15/23 12:54
MPFBA	80.4	50-200		6/15/23 12:54
M3HFPO-DA	70.9	50-200		6/15/23 12:54
M6PFDA	65.6	50-200		6/15/23 12:54
M3PFBS	81.9	50-200		6/15/23 12:54
M7PFUnA	57.4	50-200		6/15/23 12:54
M2-6:2FTS	136	50-200		6/15/23 12:54
M5PFPeA	74.7	50-200		6/15/23 12:54
M5PFHxA	66.1	50-200		6/15/23 12:54
M3PFHxS	74.8	50-200		6/15/23 12:54
M4PFHpA	71.0	50-200		6/15/23 12:54
M8PFOA	75.0	50-200		6/15/23 12:54
M8PFOS	74.4	50-200		6/15/23 12:54
M9PFNA	78.7	50-200		6/15/23 12:54
MPFDoA	54.1	50-200		6/15/23 12:54

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3N-50 | Sampled: 6/1/2023 10:51

Sample ID: 23F0290-03

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)	5.4	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoropentanoic acid (PFPeA)	5.6	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorohexanoic acid (PFHxA)	2.0	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	16	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 13:02	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	79.4		50-200		6/15/23 13:02
M2-8:2FTS	**229**	*	50-200	PF-17	6/15/23 13:02
MPFBA	79.8		50-200		6/15/23 13:02
M3HFPO-DA	70.0		50-200		6/15/23 13:02
M6PFDA	64.8		50-200		6/15/23 13:02
M3PFBS	81.4		50-200		6/15/23 13:02
M7PFUnA	61.7		50-200		6/15/23 13:02
M2-6:2FTS	143		50-200		6/15/23 13:02
M5PFPeA	74.1		50-200		6/15/23 13:02
M5PFHxA	63.9		50-200		6/15/23 13:02
M3PFHxS	75.2		50-200		6/15/23 13:02
M4PFHpA	69.6		50-200		6/15/23 13:02
M8PFOA	74.6		50-200		6/15/23 13:02
M8PFOS	73.9		50-200		6/15/23 13:02
M9PFNA	79.1		50-200		6/15/23 13:02
MPFDoA	61.5		50-200		6/15/23 13:02

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3 POST | Sampled: 6/1/2023 10:55

Sample ID: 23F0290-04

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)	4.8	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoropentanoic acid (PFPeA)	2.4	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	19	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/20/23	6/22/23 10:04	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	86.0	50-200		6/22/23 10:04
M2-8:2FTS	**350** *	50-200	PF-17	6/22/23 10:04
MPFBA	94.3	50-200		6/22/23 10:04
M3HFPO-DA	71.0	50-200		6/22/23 10:04
M6PFDA	90.4	50-200		6/22/23 10:04
M3PFBS	95.3	50-200		6/22/23 10:04
M7PFUnA	87.7	50-200		6/22/23 10:04
M2-6:2FTS	174	50-200		6/22/23 10:04
M5PFPeA	100	50-200		6/22/23 10:04
M5PFHxA	82.7	50-200		6/22/23 10:04
M3PFHxS	96.6	50-200		6/22/23 10:04
M4PFHpA	87.2	50-200		6/22/23 10:04
M8PFOA	93.8	50-200		6/22/23 10:04
M8PFOS	105	50-200		6/22/23 10:04
M9PFNA	88.1	50-200		6/22/23 10:04
MPFDoA	89.5	50-200		6/22/23 10:04

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3S-25 | Sampled: 6/1/2023 10:59

Sample ID: 23F0290-05

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)	7.0	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorobutanesulfonic acid (PFBS)	2.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoropentanoic acid (PFPeA)	6.5	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorohexanoic acid (PFHxA)	4.1	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorohexanesulfonic acid (PFHxS)	5.6	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluoroheptanoic acid (PFHpA)	2.2	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorooctanoic acid (PFOA)	4.4	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorooctanesulfonic acid (PFOS)	5.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:16	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	82.0	50-200		6/15/23 13:16
M2-8:2FTS	175	50-200		6/15/23 13:16
MPFBA	79.4	50-200		6/15/23 13:16
M3HFPO-DA	62.6	50-200		6/15/23 13:16
M6PFDA	56.4	50-200		6/15/23 13:16
M3PFBS	75.0	50-200		6/15/23 13:16
M7PFUnA	56.4	50-200		6/15/23 13:16
M2-6:2FTS	140	50-200		6/15/23 13:16
M5PFPeA	83.8	50-200		6/15/23 13:16
M5PFHxA	59.6	50-200		6/15/23 13:16
M3PFHxS	71.6	50-200		6/15/23 13:16
M4PFHpA	59.3	50-200		6/15/23 13:16
M8PFOA	58.8	50-200		6/15/23 13:16
M8PFOS	76.4	50-200		6/15/23 13:16
M9PFNA	59.9	50-200		6/15/23 13:16
MPFDoA	60.5	50-200		6/15/23 13:16

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3S-50 | Sampled: 6/1/2023 11:00

Sample ID: 23F0290-06

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)	5.6	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorobutanesulfonic acid (PFBS)	2.7	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoropentanoic acid (PFPeA)	6.0	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorohexanoic acid (PFHxA)	3.7	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorohexanesulfonic acid (PFHxS)	4.3	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluoroheptanoic acid (PFHpA)	1.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorooctanoic acid (PFOA)	3.6	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorooctanesulfonic acid (PFOS)	4.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:23	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	87.3		50-200		6/15/23 13:23
M2-8:2FTS	**273**	*	50-200	PF-17	6/15/23 13:23
MPFBA	87.7		50-200		6/15/23 13:23
M3HFPO-DA	75.8		50-200		6/15/23 13:23
M6PFDA	68.4		50-200		6/15/23 13:23
M3PFBS	86.0		50-200		6/15/23 13:23
M7PFUnA	66.5		50-200		6/15/23 13:23
M2-6:2FTS	132		50-200		6/15/23 13:23
M5PFPeA	90.4		50-200		6/15/23 13:23
M5PFHxA	68.3		50-200		6/15/23 13:23
M3PFHxS	85.3		50-200		6/15/23 13:23
M4PFHpA	72.8		50-200		6/15/23 13:23
M8PFOA	74.8		50-200		6/15/23 13:23
M8PFOS	83.8		50-200		6/15/23 13:23
M9PFNA	76.3		50-200		6/15/23 13:23
MPFDoA	69.5		50-200		6/15/23 13:23

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3S-75 | Sampled: 6/1/2023 11:02

Sample ID: 23F0290-07

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)	5.1	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorobutanesulfonic acid (PFBS)	2.4	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoropentanoic acid (PFPeA)	6.0	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorohexanoic acid (PFHxA)	3.7	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorooctanoic acid (PFOA)	2.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorooctanesulfonic acid (PFOS)	2.6	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:30	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	129		50-200		6/15/23 13:30
M2-8:2FTS	**246**	*	50-200	PF-17	6/15/23 13:30
MPFBA	83.1		50-200		6/15/23 13:30
M3HFPO-DA	65.7		50-200		6/15/23 13:30
M6PFDA	64.9		50-200		6/15/23 13:30
M3PFBS	83.1		50-200		6/15/23 13:30
M7PFUnA	63.4		50-200		6/15/23 13:30
M2-6:2FTS	173		50-200		6/15/23 13:30
M5PFPeA	84.6		50-200		6/15/23 13:30
M5PFHxA	64.3		50-200		6/15/23 13:30
M3PFHxS	80.7		50-200		6/15/23 13:30
M4PFHpA	67.5		50-200		6/15/23 13:30
M8PFOA	74.1		50-200		6/15/23 13:30
M8PFOS	79.2		50-200		6/15/23 13:30
M9PFNA	77.7		50-200		6/15/23 13:30
MPFDoA	63.4		50-200		6/15/23 13:30

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3 MID | Sampled: 6/1/2023 11:05

Sample ID: 23F0290-08

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)	5.3	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorobutanesulfonic acid (PFBS)	2.2	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoropentanoic acid (PFPeA)	5.6	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorohexanoic acid (PFHxA)	3.4	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.8	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorooctanoic acid (PFOA)	2.4	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorooctanesulfonic acid (PFOS)	2.0	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 13:53	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	90.2		50-200		6/15/23 13:53
M2-8:2FTS	**228**	*	50-200	PF-17	6/15/23 13:53
MPFBA	82.3		50-200		6/15/23 13:53
M3HFPO-DA	66.3		50-200		6/15/23 13:53
M6PFDA	62.2		50-200		6/15/23 13:53
M3PFBS	79.4		50-200		6/15/23 13:53
M7PFUnA	61.5		50-200		6/15/23 13:53
M2-6:2FTS	160		50-200		6/15/23 13:53
M5PFPeA	89.7		50-200		6/15/23 13:53
M5PFHxA	67.0		50-200		6/15/23 13:53
M3PFHxS	74.6		50-200		6/15/23 13:53
M4PFHpA	68.6		50-200		6/15/23 13:53
M8PFOA	77.1		50-200		6/15/23 13:53
M8PFOS	63.9		50-200		6/15/23 13:53
M9PFNA	76.4		50-200		6/15/23 13:53
MPFDoA	63.6		50-200		6/15/23 13:53

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-1 RAW | Sampled: 6/1/2023 11:31

Sample ID: 23F0290-09

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)	9.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorobutanesulfonic acid (PFBS)	5.9	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorohexanesulfonic acid (PFHxS)	5.4	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorooctanoic acid (PFOA)	4.1	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorooctanesulfonic acid (PFOS)	5.7	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:00	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	83.1		50-200		6/15/23 14:00
M2-8:2FTS	**316**	*	50-200	PF-17	6/15/23 14:00
MPFBA	92.2		50-200		6/15/23 14:00
M3HFPO-DA	69.0		50-200		6/15/23 14:00
M6PFDA	72.1		50-200		6/15/23 14:00
M3PFBS	89.6		50-200		6/15/23 14:00
M7PFUnA	65.6		50-200		6/15/23 14:00
M2-6:2FTS	119		50-200		6/15/23 14:00
M5PFPeA	96.6		50-200		6/15/23 14:00
M5PFHxA	71.1		50-200		6/15/23 14:00
M3PFHxS	85.2		50-200		6/15/23 14:00
M4PFHpA	75.4		50-200		6/15/23 14:00
M8PFOA	81.9		50-200		6/15/23 14:00
M8PFOS	83.3		50-200		6/15/23 14:00
M9PFNA	79.7		50-200		6/15/23 14:00
MPFDoA	65.9		50-200		6/15/23 14:00

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-2 RAW | Sampled: 6/1/2023 11:40

Sample ID: 23F0290-10

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)	7.6	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorobutanesulfonic acid (PFBS)	2.7	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoropentanoic acid (PFPeA)	6.5	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorohexanoic acid (PFHxA)	2.8	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorohexanesulfonic acid (PFHxS)	5.6	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorooctanoic acid (PFOA)	4.2	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorooctanesulfonic acid (PFOS)	5.3	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	6/14/23	6/15/23 14:07	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	86.8		50-200		6/15/23 14:07
M2-8:2FTS	**281**	*	50-200	PF-17	6/15/23 14:07
MPFBA	95.1		50-200		6/15/23 14:07
M3HFPO-DA	63.4		50-200		6/15/23 14:07
M6PFDA	69.0		50-200		6/15/23 14:07
M3PFBS	93.5		50-200		6/15/23 14:07
M7PFUnA	53.8		50-200		6/15/23 14:07
M2-6:2FTS	132		50-200		6/15/23 14:07
M5PFPeA	100		50-200		6/15/23 14:07
M5PFHxA	70.3		50-200		6/15/23 14:07
M3PFHxS	86.2		50-200		6/15/23 14:07
M4PFHpA	74.0		50-200		6/15/23 14:07
M8PFOA	74.0		50-200		6/15/23 14:07
M8PFOS	89.8		50-200		6/15/23 14:07
M9PFNA	76.5		50-200		6/15/23 14:07
MPFDoA	59.7		50-200		6/15/23 14:07

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23F0290

Date Received: 6/2/2023

Field Sample #: BH20230601-3 RAW | Sampled: 6/1/2023 11:17

Sample ID: 23F0290-11

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)	5.8	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorobutanesulfonic acid (PFBS)	2.7	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoropentanoic acid (PFPeA)	7.6	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorohexanoic acid (PFHxA)	3.9	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorohexanesulfonic acid (PFHxS)	5.9	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluoroheptanoic acid (PFHpA)	2.0	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorooctanoic acid (PFOA)	4.3	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorooctanesulfonic acid (PFOS)	6.8	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	6/14/23	6/15/23 14:14	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	91.5	50-200		6/15/23 14:14
M2-8:2FTS	**249** *	50-200	PF-17	6/15/23 14:14
MPFBA	90.3	50-200		6/15/23 14:14
M3HFPO-DA	67.5	50-200		6/15/23 14:14
M6PFDA	69.4	50-200		6/15/23 14:14
M3PFBS	87.7	50-200		6/15/23 14:14
M7PFUnA	69.1	50-200		6/15/23 14:14
M2-6:2FTS	140	50-200		6/15/23 14:14
M5PFPeA	99.0	50-200		6/15/23 14:14
M5PFHxA	71.0	50-200		6/15/23 14:14
M3PFHxS	83.2	50-200		6/15/23 14:14
M4PFHpA	75.5	50-200		6/15/23 14:14
M8PFOA	78.0	50-200		6/15/23 14:14
M8PFOS	81.3	50-200		6/15/23 14:14
M9PFNA	79.6	50-200		6/15/23 14:14
MPFDoA	69.4	50-200		6/15/23 14:14

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F0290-01 [BH20230601-3N-25]	B342294	275	1.00	06/14/23
23F0290-02 [BH20230601-3N-75]	B342294	276	1.00	06/14/23
23F0290-03 [BH20230601-3N-50]	B342294	277	1.00	06/14/23
23F0290-05 [BH20230601-3S-25]	B342294	269	1.00	06/14/23
23F0290-06 [BH20230601-3S-50]	B342294	270	1.00	06/14/23
23F0290-07 [BH20230601-3S-75]	B342294	267	1.00	06/14/23
23F0290-08 [BH20230601-3 MID]	B342294	268	1.00	06/14/23
23F0290-09 [BH20230601-1 RAW]	B342294	269	1.00	06/14/23
23F0290-10 [BH20230601-2 RAW]	B342294	263	1.00	06/14/23
23F0290-11 [BH20230601-3 RAW]	B342294	272	1.00	06/14/23

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23F0290-04RE1 [BH20230601-3 POST]	B343575	268	1.00	06/20/23

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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 B342294 - EPA 533											
Blank (B342294-BLK1)					Prepared: 06/14/23 Analyzed: 06/15/23						
Perfluorobutanoic acid (PFBA)	ND	1.9		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L							
Surrogate: M2-4:2FTS	*26.4*			ng/L	35.9		73.4	50-200			
Surrogate: M2-8:2FTS	*44.9*			ng/L	36.7		122	50-200			
Surrogate: MPFBA	*34.9*			ng/L	38.3		91.1	50-200			
Surrogate: M3HFPO-DA	*29.6*			ng/L	38.3		77.3	50-200			
Surrogate: M6PFDA	*28.3*			ng/L	38.3		73.9	50-200			
Surrogate: M3PFBS	*32.5*			ng/L	35.7		91.2	50-200			
Surrogate: M7PFUnA	*28.8*			ng/L	38.3		75.3	50-200			
Surrogate: M2-6:2FTS	*39.8*			ng/L	36.4		109	50-200			
Surrogate: M5PFPeA	*33.3*			ng/L	38.3		87.1	50-200			
Surrogate: M5PFHxA	*27.6*			ng/L	38.3		72.2	50-200			
Surrogate: M3PFHxS	*31.0*			ng/L	36.3		85.6	50-200			
Surrogate: M4PFHpA	*29.5*			ng/L	38.3		77.0	50-200			
Surrogate: M8PFOA	*31.2*			ng/L	38.3		81.5	50-200			
Surrogate: M8PFOS	*30.5*			ng/L	36.7		83.2	50-200			
Surrogate: M9PFNA	*31.6*			ng/L	38.3		82.5	50-200			
Surrogate: MPFDoA	*27.8*			ng/L	38.3		72.6	50-200			
LCS (B342294-BS1)					Prepared: 06/14/23 Analyzed: 06/15/23						
Perfluorobutanoic acid (PFBA)	8.94	1.9		ng/L	9.62		92.9	70-130			
Perfluorobutanesulfonic acid (PFBS)	7.66	1.9		ng/L	8.52		89.9	70-130			
Perfluoropentanoic acid (PFPeA)	8.59	1.9		ng/L	9.62		89.2	70-130			
Perfluorohexanoic acid (PFHxA)	8.96	1.9		ng/L	9.62		93.1	70-130			
11Cl-PF3OUdS (F53B Major)	9.39	1.9		ng/L	9.07		104	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 B342294 - EPA 533											
LCS (B342294-BS1)					Prepared: 06/14/23 Analyzed: 06/15/23						
9Cl-PF3ONS (F53B Minor)	9.53	1.9		ng/L	8.97		106	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.79	1.9		ng/L	9.07		97.0	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.15	1.9		ng/L	9.62		74.3	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.08	1.9		ng/L	9.24		87.5	70-130			
Perfluorodecanoic acid (PFDA)	8.44	1.9		ng/L	9.62		87.7	70-130			
Perfluorododecanoic acid (PFDoA)	9.13	1.9		ng/L	9.62		94.9	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.64	1.9		ng/L	8.57		101	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	7.89	1.9		ng/L	9.19		85.8	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	7.58	1.9		ng/L	9.00		84.3	70-130			
Perfluorohexanesulfonic acid (PFHxS)	7.97	1.9		ng/L	8.81		90.5	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	8.54	1.9		ng/L	9.62		88.7	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	8.25	1.9		ng/L	9.62		85.7	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	7.53	1.9		ng/L	9.14		82.4	70-130			
Perfluoropentanesulfonic acid (PFPeS)	8.05	1.9		ng/L	9.05		89.0	70-130			
Perfluoroundecanoic acid (PFUnA)	9.30	1.9		ng/L	9.62		96.6	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.70	1.9		ng/L	9.62		90.4	70-130			
Perfluoroheptanoic acid (PFHpA)	8.57	1.9		ng/L	9.62		89.1	70-130			
Perfluorooctanoic acid (PFOA)	8.84	1.9		ng/L	9.62		91.8	70-130			
Perfluorooctanesulfonic acid (PFOS)	7.84	1.9		ng/L	8.90		88.0	70-130			
Perfluorononanoic acid (PFNA)	7.16	1.9		ng/L	9.62		74.3	70-130			
Surrogate: M2-4:2FTS	*28.1*			ng/L	36.1		77.8	50-200			
Surrogate: M2-8:2FTS	*45.3*			ng/L	37.0		123	50-200			
Surrogate: MPFBA	*36.3*			ng/L	38.5		94.3	50-200			
Surrogate: M3HFPO-DA	*31.6*			ng/L	38.5		82.2	50-200			
Surrogate: M6PFDA	*31.0*			ng/L	38.5		80.5	50-200			
Surrogate: M3PFBS	*33.8*			ng/L	35.9		94.2	50-200			
Surrogate: M7PFUnA	*29.9*			ng/L	38.5		77.7	50-200			
Surrogate: M2-6:2FTS	*40.3*			ng/L	36.6		110	50-200			
Surrogate: M5PFPeA	*35.3*			ng/L	38.5		91.6	50-200			
Surrogate: M5PFHxA	*30.0*			ng/L	38.5		77.9	50-200			
Surrogate: M3PFHxS	*32.4*			ng/L	36.5		88.6	50-200			
Surrogate: M4PFHpA	*32.2*			ng/L	38.5		83.7	50-200			
Surrogate: M8PFOA	*33.4*			ng/L	38.5		86.8	50-200			
Surrogate: M8PFOS	*31.6*			ng/L	36.9		85.7	50-200			
Surrogate: M9PFNA	*35.5*			ng/L	38.5		92.3	50-200			
Surrogate: MPFDoA	*29.8*			ng/L	38.5		77.5	50-200			
LCS Dup (B342294-BSD1)					Prepared: 06/14/23 Analyzed: 06/15/23						
Perfluorobutanoic acid (PFBA)	9.35	1.9		ng/L	9.47		98.8	70-130	4.46	30	
Perfluorobutanesulfonic acid (PFBS)	7.94	1.9		ng/L	8.38		94.8	70-130	3.57	30	
Perfluoropentanoic acid (PFPeA)	9.35	1.9		ng/L	9.47		98.8	70-130	8.51	30	
Perfluorohexanoic acid (PFHxA)	9.06	1.9		ng/L	9.47		95.8	70-130	1.13	30	
11Cl-PF3OUdS (F53B Major)	9.42	1.9		ng/L	8.92		106	70-130	0.343	30	
9Cl-PF3ONS (F53B Minor)	9.31	1.9		ng/L	8.82		105	70-130	2.38	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.26	1.9		ng/L	8.92		104	70-130	5.16	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.26	1.9		ng/L	9.47		97.9	70-130	25.8	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	7.69	1.9		ng/L	9.09		84.6	70-130	4.99	30	

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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 B342294 - EPA 533											
LCS Dup (B342294-BSD1)					Prepared: 06/14/23 Analyzed: 06/15/23						
Perfluorodecanoic acid (PFDA)	8.72	1.9		ng/L	9.47		92.1	70-130	3.29	30	
Perfluorododecanoic acid (PFDoA)	9.32	1.9		ng/L	9.47		98.5	70-130	2.06	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.81	1.9		ng/L	8.42		105	70-130	1.95	30	
Perfluoroheptanesulfonic acid (PFHpS)	8.08	1.9		ng/L	9.04		89.4	70-130	2.48	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	7.43	1.9		ng/L	8.85		83.9	70-130	2.09	30	
Perfluorohexanesulfonic acid (PFHxS)	8.50	1.9		ng/L	8.66		98.2	70-130	6.50	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.67	1.9		ng/L	9.47		91.6	70-130	1.59	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	8.78	1.9		ng/L	9.47		92.8	70-130	6.28	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	7.10	1.9		ng/L	8.99		79.0	70-130	5.89	30	
Perfluoropentanesulfonic acid (PFPeS)	8.87	1.9		ng/L	8.90		99.7	70-130	9.66	30	
Perfluoroundecanoic acid (PFUnA)	8.51	1.9		ng/L	9.47		90.0	70-130	8.76	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.17	1.9		ng/L	9.47		96.9	70-130	5.26	30	
Perfluoroheptanoic acid (PFHpA)	8.58	1.9		ng/L	9.47		90.7	70-130	0.143	30	
Perfluorooctanoic acid (PFOA)	8.90	1.9		ng/L	9.47		94.1	70-130	0.710	30	
Perfluorooctanesulfonic acid (PFOS)	8.68	1.9		ng/L	8.76		99.1	70-130	10.2	30	
Perfluorononanoic acid (PFNA)	7.58	1.9		ng/L	9.47		80.1	70-130	5.76	30	
Surrogate: M2-4:2FTS	*28.2*			ng/L	35.5		79.3	50-200			
Surrogate: M2-8:2FTS	*44.8*			ng/L	36.3		123	50-200			
Surrogate: MPFBA	*36.0*			ng/L	37.9		95.2	50-200			
Surrogate: M3HFPO-DA	*30.5*			ng/L	37.9		80.5	50-200			
Surrogate: M6PFDA	*30.5*			ng/L	37.9		80.5	50-200			
Surrogate: M3PFBS	*33.2*			ng/L	35.3		94.0	50-200			
Surrogate: M7PFUnA	*30.6*			ng/L	37.9		80.9	50-200			
Surrogate: M2-6:2FTS	*40.1*			ng/L	36.0		111	50-200			
Surrogate: M5PFPeA	*34.0*			ng/L	37.9		89.9	50-200			
Surrogate: M5PFHxA	*30.2*			ng/L	37.9		79.7	50-200			
Surrogate: M3PFHxS	*31.4*			ng/L	35.9		87.3	50-200			
Surrogate: M4PFHpA	*31.7*			ng/L	37.9		83.8	50-200			
Surrogate: M8PFOA	*33.3*			ng/L	37.9		88.1	50-200			
Surrogate: M8PFOS	*31.2*			ng/L	36.3		86.0	50-200			
Surrogate: M9PFNA	*35.1*			ng/L	37.9		92.6	50-200			
Surrogate: MPFDoA	*29.8*			ng/L	37.9		78.7	50-200			
Batch B343575 - EPA 533											
Blank (B343575-BLK1)					Prepared: 06/20/23 Analyzed: 06/22/23						
Perfluorobutanoic acid (PFBA)	ND	1.9		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L							

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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 B343575 - EPA 533												
Blank (B343575-BLK1)					Prepared: 06/20/23 Analyzed: 06/22/23							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L								
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L								
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L								
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L								
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L								
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L								
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L								
Surrogate: M2-4:2FTS	*32.3*			ng/L	35.5		91.0		50-200			
Surrogate: M2-8:2FTS	*112*			ng/L	36.3		**309**	*	50-200			PF-17
Surrogate: MPFBA	*36.8*			ng/L	37.8		97.1		50-200			
Surrogate: M3HFPO-DA	*31.6*			ng/L	37.8		83.4		50-200			
Surrogate: M6PFDA	*38.1*			ng/L	37.8		101		50-200			
Surrogate: M3PFBS	*31.0*			ng/L	35.3		88.0		50-200			
Surrogate: M7PFUnA	*36.2*			ng/L	37.8		95.6		50-200			
Surrogate: M2-6:2FTS	*38.4*			ng/L	36.0		107		50-200			
Surrogate: M5PFPeA	*40.7*			ng/L	37.8		107		50-200			
Surrogate: M5PFHxA	*35.2*			ng/L	37.8		93.0		50-200			
Surrogate: M3PFHxS	*33.9*			ng/L	35.9		94.4		50-200			
Surrogate: M4PFHpA	*36.3*			ng/L	37.8		96.0		50-200			
Surrogate: M8PFOA	*37.6*			ng/L	37.8		99.4		50-200			
Surrogate: M8PFOS	*35.8*			ng/L	36.3		98.7		50-200			
Surrogate: M9PFNA	*36.6*			ng/L	37.8		96.8		50-200			
Surrogate: MPFDoA	*34.1*			ng/L	37.8		90.1		50-200			
LCS (B343575-BS1)					Prepared: 06/20/23 Analyzed: 06/22/23							
Perfluorobutanoic acid (PFBA)	9.92	1.9		ng/L	9.40		106		70-130			
Perfluorobutanesulfonic acid (PFBS)	8.61	1.9		ng/L	8.32		103		70-130			
Perfluoropentanoic acid (PFPeA)	9.22	1.9		ng/L	9.40		98.0		70-130			
Perfluorohexanoic acid (PFHxA)	9.40	1.9		ng/L	9.40		100		70-130			
11Cl-PF3OUdS (F53B Major)	7.31	1.9		ng/L	8.86		82.5		70-130			
9Cl-PF3ONS (F53B Minor)	8.01	1.9		ng/L	8.76		91.4		70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.71	1.9		ng/L	8.86		110		70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.60	1.9		ng/L	9.40		80.8		70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.16	1.9		ng/L	9.03		90.4		70-130			
Perfluorodecanoic acid (PFDA)	9.26	1.9		ng/L	9.40		98.4		70-130			
Perfluorododecanoic acid (PFDoA)	9.22	1.9		ng/L	9.40		98.0		70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10.2	1.9		ng/L	8.37		122		70-130			
Perfluoroheptanesulfonic acid (PFHpS)	9.02	1.9		ng/L	8.98		100		70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.44	1.9		ng/L	8.79		96.0		70-130			
Perfluorohexanesulfonic acid (PFHxS)	8.79	1.9		ng/L	8.60		102		70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	10.4	1.9		ng/L	9.40		110		70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.66	1.9		ng/L	9.40		103		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 B343575 - EPA 533												
LCS (B343575-BS1)					Prepared: 06/20/23 Analyzed: 06/22/23							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.94	1.9		ng/L	8.93		100		70-130			
Perfluoropentanesulfonic acid (PFPeS)	8.87	1.9		ng/L	8.84		100		70-130			
Perfluoroundecanoic acid (PFUnA)	9.71	1.9		ng/L	9.40		103		70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	7.62	1.9		ng/L	9.40		81.0		70-130			
Perfluoroheptanoic acid (PFHpA)	9.71	1.9		ng/L	9.40		103		70-130			
Perfluorooctanoic acid (PFOA)	9.19	1.9		ng/L	9.40		97.8		70-130			
Perfluorooctanesulfonic acid (PFOS)	8.59	1.9		ng/L	8.70		98.7		70-130			
Perfluorononanoic acid (PFNA)	7.78	1.9		ng/L	9.40		82.8		70-130			
Surrogate: M2-4:2FTS	*30.6*			ng/L	35.3		86.7		50-200			
Surrogate: M2-8:2FTS	*104*			ng/L	36.1		**287**	*	50-200			S-29
Surrogate: MPFBA	*36.4*			ng/L	37.6		96.8		50-200			
Surrogate: M3HFPO-DA	*31.5*			ng/L	37.6		83.7		50-200			
Surrogate: M6PFDA	*40.5*			ng/L	37.6		108		50-200			
Surrogate: M3PFBS	*30.0*			ng/L	35.1		85.6		50-200			
Surrogate: M7PFUnA	*34.9*			ng/L	37.6		92.8		50-200			
Surrogate: M2-6:2FTS	*35.0*			ng/L	35.8		97.8		50-200			
Surrogate: M5PFPeA	*42.6*			ng/L	37.6		113		50-200			
Surrogate: M5PFHxA	*35.3*			ng/L	37.6		94.0		50-200			
Surrogate: M3PFHxS	*33.1*			ng/L	35.7		92.9		50-200			
Surrogate: M4PFHpA	*35.3*			ng/L	37.6		93.9		50-200			
Surrogate: M8PFOA	*35.2*			ng/L	37.6		93.6		50-200			
Surrogate: M8PFOS	*34.3*			ng/L	36.1		95.1		50-200			
Surrogate: M9PFNA	*36.6*			ng/L	37.6		97.3		50-200			
Surrogate: MPFDoA	*33.1*			ng/L	37.6		88.1		50-200			
LCS Dup (B343575-BSD1)					Prepared: 06/20/23 Analyzed: 06/22/23							
Perfluorobutanoic acid (PFBA)	9.75	1.9		ng/L	9.48		103		70-130	1.78	30	
Perfluorobutanesulfonic acid (PFBS)	8.47	1.9		ng/L	8.39		101		70-130	1.65	30	
Perfluoropentanoic acid (PFPeA)	9.19	1.9		ng/L	9.48		96.9		70-130	0.303	30	
Perfluorohexanoic acid (PFHxA)	9.44	1.9		ng/L	9.48		99.6		70-130	0.372	30	
11Cl-PF3OUdS (F53B Major)	7.41	1.9		ng/L	8.93		82.9		70-130	1.30	30	
9Cl-PF3ONS (F53B Minor)	7.79	1.9		ng/L	8.84		88.2		70-130	2.82	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.62	1.9		ng/L	8.93		108		70-130	0.884	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.75	1.9		ng/L	9.48		81.8		70-130	2.00	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.08	1.9		ng/L	9.10		88.8		70-130	1.00	30	
Perfluorodecanoic acid (PFDA)	8.94	1.9		ng/L	9.48		94.3		70-130	3.50	30	
Perfluorododecanoic acid (PFDoA)	9.18	1.9		ng/L	9.48		96.9		70-130	0.334	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	9.91	1.9		ng/L	8.44		117		70-130	2.78	30	
Perfluoroheptanesulfonic acid (PFHpS)	8.95	1.9		ng/L	9.05		98.8		70-130	0.841	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.30	1.9		ng/L	8.86		93.6		70-130	1.75	30	
Perfluorohexanesulfonic acid (PFHxS)	7.98	1.9		ng/L	8.67		92.0		70-130	9.66	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	9.98	1.9		ng/L	9.48		105		70-130	3.99	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	9.32	1.9		ng/L	9.48		98.3		70-130	3.58	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.49	1.9		ng/L	9.01		94.3		70-130	5.11	30	
Perfluoropentanesulfonic acid (PFPeS)	8.50	1.9		ng/L	8.91		95.3		70-130	4.24	30	
Perfluoroundecanoic acid (PFUnA)	9.29	1.9		ng/L	9.48		98.0		70-130	4.36	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	8.02	1.9		ng/L	9.48		84.6		70-130	5.20	30	
Perfluoroheptanoic acid (PFHpA)	9.86	1.9		ng/L	9.48		104		70-130	1.60	30	

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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 B343575 - EPA 533												
LCS Dup (B343575-BSD1)					Prepared: 06/20/23 Analyzed: 06/22/23							
Perfluorooctanoic acid (PFOA)	9.44	1.9		ng/L	9.48		99.5		70-130	2.59	30	
Perfluorooctanesulfonic acid (PFOS)	8.76	1.9		ng/L	8.77		99.9		70-130	2.03	30	
Perfluorononanoic acid (PFNA)	7.43	1.9		ng/L	9.48		78.4		70-130	4.66	30	
Surrogate: M2-4:2FTS	*31.0*			ng/L	35.6		87.1		50-200			
Surrogate: M2-8:2FTS	*85.1*			ng/L	36.4		**234**	*	50-200			S-29
Surrogate: MPFBA	*36.6*			ng/L	37.9		96.4		50-200			
Surrogate: M3HFPO-DA	*29.9*			ng/L	37.9		78.9		50-200			
Surrogate: M6PFDA	*39.4*			ng/L	37.9		104		50-200			
Surrogate: M3PFBS	*28.2*			ng/L	35.3		79.8		50-200			
Surrogate: M7PFUnA	*35.3*			ng/L	37.9		93.0		50-200			
Surrogate: M2-6:2FTS	*35.5*			ng/L	36.1		98.6		50-200			
Surrogate: M5PFPeA	*40.7*			ng/L	37.9		107		50-200			
Surrogate: M5PFHxA	*33.8*			ng/L	37.9		89.1		50-200			
Surrogate: M3PFHxS	*31.7*			ng/L	35.9		88.2		50-200			
Surrogate: M4PFHpA	*35.5*			ng/L	37.9		93.6		50-200			
Surrogate: M8PFOA	*35.9*			ng/L	37.9		94.7		50-200			
Surrogate: M8PFOS	*33.2*			ng/L	36.4		91.4		50-200			
Surrogate: M9PFNA	*38.0*			ng/L	37.9		100		50-200			
Surrogate: MPFDoA	*34.0*			ng/L	37.9		89.7		50-200			

con-test®
A Pace Analytical® Laboratory

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
S-29	Extracted Internal Standard is outside of control limits.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2024
ME	State of Maine	MA00100	06/9/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

23502

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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

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
Pace Analytical 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 #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	20 1 P EPA 533
1	BH20230601-3N-25	6/1/23	10:49		✓	DW		2
2	BH20230601-3N-75		10:53		✓	DW		2
3	BH20230601-3N-50		10:51		✓	DW		2
4	BH20230601-3POST		10:55		✓	DW		2
5	BH20230601-3S-25		10:59		✓	DW		2
6	BH20230601-3S-50		11:00		✓	DW		2
7	BH20230601-3S-75		11:02		✓	DW		2
8	BH20230601-3MID		11:05		✓	DW		2
9	BH20230601-1RAW		11:31		✓	DW		2
10	BH20230601-2RAW		11:40		✓	DW		2

ANALYSIS REQUESTED

# of Containers
[2] Preservation Code
[3] Container Code

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)

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 by: (signature)	Meg Fitzgerald	Date/Time: 6/1 12:50
Received by: (signature)	5.4°C/3.0	Date/Time: 0955 6-2-23
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

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

Table of Contents

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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2-Day ☐ 4-Day ☐

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

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	2	1	D	CPAS33	# of Containers / [2] Preservation Code / [3] Container Code
11	BH20230601-3RAW	6/1/23	11:17		✓	DW		2				
	BH20230601											
	BH20230601											
	BH20230601											
	BH20230601											
MS	BH20230601											
	BH20230601											
	BH20230601											
	BH20230601											
	BH20230601											

ANALYSIS REQUESTED

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Phosphorus/Nitrate 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:**
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T = Sodium Thiosulfate
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A = Amber Glass
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ST = Sterile
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S = Summa Canister
T = Tedlar Bag
O = Other (please define)

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 by: (signature)	Date/Time:
Meghan Fitzgerald	6/1 12:50
Received by: (signature)	Date/Time:
5.4°C/30	6-2-23 0955
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
	6/1 12:50

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

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

.1C

Table of Contents

[redacted]

FedEx® Tracking

DELIVERED

Friday

6/2/2023 at 9:55 am

Signature release on file
Package delivered to recipient address

Obtain proof of delivery

DELIVERY STATUS

Delivered

TRACKING ID

772317400562

FROM
Newburgh, NY US

Label Created
6/1/2023 12:09 PM

PACKAGE RECEIVED BY FEDEX
NEWBURGH, NY
6/1/2023 4:36 PM

IN TRANSIT
WINDSOR LOCKS, CT
6/2/2023 7:42 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
6/2/2023 7:52 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
6/2/2023 at 9:55 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

ENV-FRM-ELON-0001 V05__Sample Receiving Checklist

Log In Back-Sheet

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

Pace
PEOPLE ADVANCING SCIENCE

Client NYSDES/ARCADIS
Project Stewart ANG-butterhil
MCP/RCP Required N/A
Deliverable Package Requirement N/A
Location New Windsor, NY
PWSID# (When Applicable) N/A
Arrival Method:
Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐
Received By / Date / Time AAM/6.2.23/0955
~~Back-Sheet By / Date / Time~~ AAM/6.2.23/1205
Temperature Method Temp. Gun # 5
Temp ☑ < 6° C Actual Temperature 5.4/3.0°C
Rush Samples: Yes / (No) Notify
Short Hold: Yes / (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
~~Is there enough Volume~~	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☑	☐
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

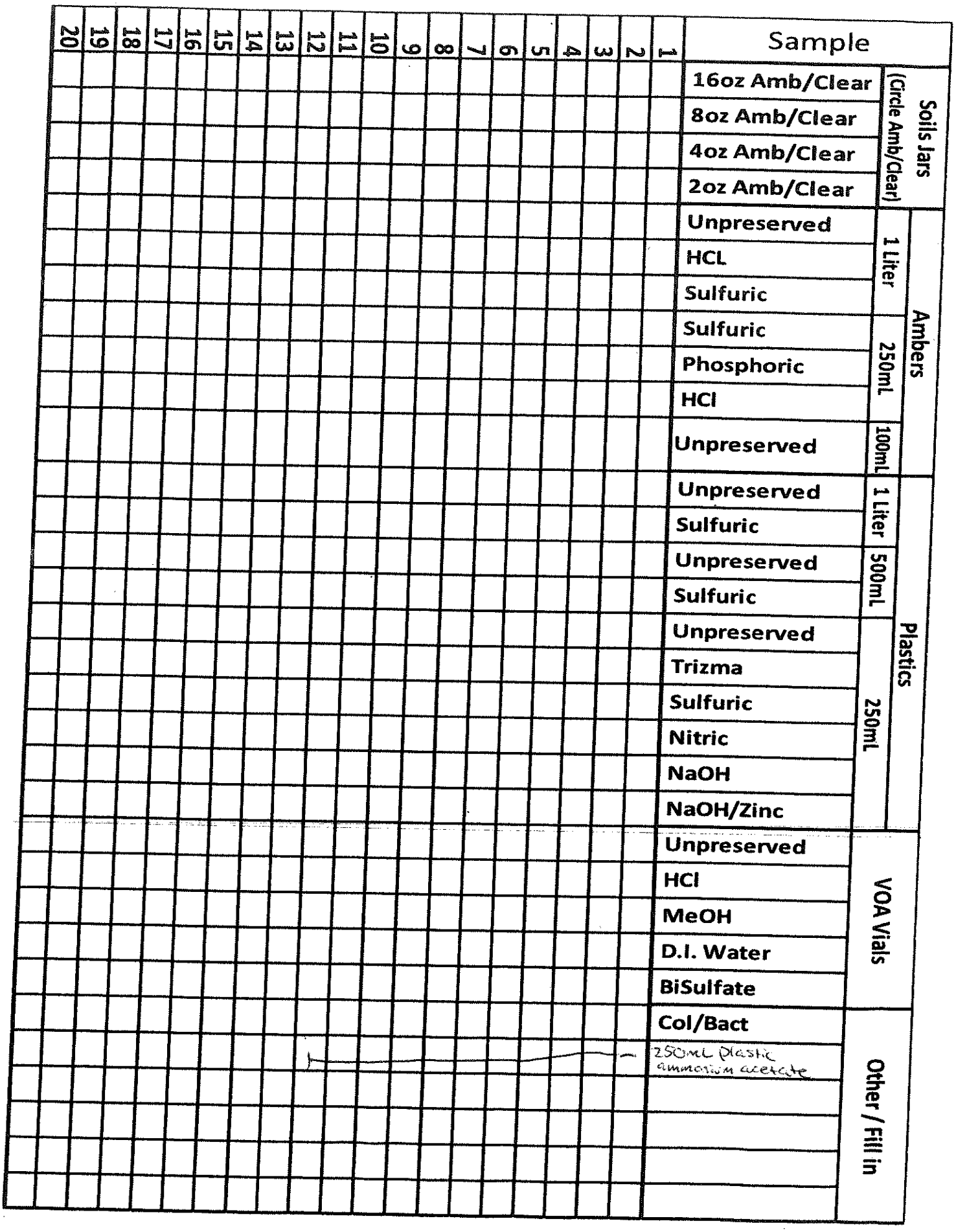
COC Included: (Check all included)
Client ☑ Analysis ☑ Sampler Name ☑
Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Notes regarding Samples/COC outside of SOP:

Split workorder after the first 20 samples

Additional Container Notes


Sample
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
Soils Jars
(Circle Amb/Clear)
16oz Amb/Clear
8oz Amb/Clear
4oz Amb/Clear
2oz Amb/Clear
Ambers
1 Liter
Unpreserved
HCL
Sulfuric
250mL
Sulfuric
Phosphoric
HCl
100mL
Unpreserved
Plastics
1 Liter
Unpreserved
Sulfuric
500mL
Unpreserved
Sulfuric
250mL
Unpreserved
Trizma
Sulfuric
Nitric
NaOH
NaOH/Zinc
VOA Vials
Unpreserved
HCl
MeOH
D.I. Water
BiSulfate
Other / Fill in
Col/Bact
250mL plastic
ammonium acetate