

Durham Water Management Source Water PFAS Sampling Results (2018-2023)

Date of Sample		2/28/2018	8/6/2018	11/14/2018	2/11/2019	5/10/2019	5/13/2019	8/12/2019	11/12/2019	2/11/2020	5/12/2020	8/11/2020	11/10/2020	2/9/2021	5/11/2021	8/10/2021	11/17/2021	2/28/2022	5/10/2022	8/9/2022	11/8/2022	2/27/2023	
Total Number of Compounds Tested		18	39	39	39	47 (Duke)	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	
Collective Analytes above Minimum Reporting Limit (ng/L or ppt)		Lake Michie Source Water																					
PFBS	Perfluorobutane sulfonic acid	5.0	7.2	2.0	5.2	<1.0	7.3	5.1	5.2	<2.0	3.3	7.3	4.9	3.3	6.0	6.9	5.1	4.2	4.9	4.3	4.6	4.2	
PFBA	Perfluorobutanoic acid		5.3	<5.0	<5.0	<1.0	<5.0	7.4	<5.0	<5.0	<5.0	6.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	6.1	<5.0	<5.0	
PFDA	Perfluorodecanoate	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFHxA	perfluorohexanoate	<2.0	<2.0	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFHpA	perfluoroheptanoate	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFHxS	perfluorohexane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFMBA	Perfluoro-4-methoxybutanoic acid																			5.1	<4.9	<4.9	
PFNA	perfluorononanoate	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFOS	perfluorooctane sulfonate	3.3	6.4	2.8	3.0	<1.0	5.1	4.9	6.0	3.5	4.2	6.4	4.8	2.5	3.5	4.9	5.1	4.1	3.6	5.0	6.7	3.1	
PFOA	perfluorooctanoate	2.4	3.8	<2.0	2.2	2.3	3.4	2.7	3.6	2.6	2.4	4.1	2.7	<2.0	2.5	3.4	3.1	2.5	2.4	2.9	3.5	<2.0	
PFHpS	perfluoroheptane sulfonate		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFPeA	Perfluoropentanoic acid		<2.0	<2.0	<2.0	3.2	<2.0	2.6	<2.0	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<1.9	2.0	<1.9	<1.9	<1.9	<1.9	
PFPeS	perfluoropentane sulfonate		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PMPA	perfluoro-2-methoxypropanoic acid					1.4																	
Collective Analytes above Minimum Reporting Limit (ng/L or ppt)		Little River Reservoir Source Water																					
PFBS	Perfluorobutane sulfonic acid	7.0	6.0	5.0	6.2	<1.0	6.9	7.3	7.8	3.6	6.7	6.7	7.5	5.4	6.9	9.3	9.6	8.0	5.9	6.2	6.9	6.1	
PFBA	Perfluorobutanoic acid		<5.0	<5.0	<5.0	<1.0	8.1	<5.0	<5.0	<5.0	<5.0	5.9	<5.0	<5.0	<5.0	<5.0	<4.7	5.1	5.8	<4.8	<4.8	<4.8	
PFDA	Perfluorodecanoate	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFHxA	perfluorohexanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	1.9	<1.9	<1.9	<1.9	<1.9	
PFHpA	perfluoroheptanoate	<2.0	<2.0	<2.0	<2.0	<5.0	2.0	<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	2.2	2.0	<1.9	<1.9	<1.9	
PFHxS	perfluorohexane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	2.1	2.2	<2.0	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	2.5	2.5	2.1	<1.9	<1.9	2.0	
PFMBA	Perfluoro-4-methoxybutanoic acid																			7.1	<4.9	<4.9	
PFNA	perfluorononanoate	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFOS	perfluorooctane sulfonate	5.2	6.6	5.3	6.1	4.0	9.4	9.0	10	4.9	7.5	8.8	9.6	6.4	8.3	11	10	8.3	7.0	7.5	8.9	6.1	
PFOA	perfluorooctanoate	4.2	4.4	3.8	4.4	3.6	6.0	5.7	6.4	3.1	4.8	5.1	5.6	4.2	5.3	6.7	6.6	5.4	4.4	4.5	4.9	3.6	
PFHpS	perfluoroheptane sulfonate		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PFPeA	Perfluoropentanoic acid		<2.0	<2.0	<2.0	<2.0	<2.0	2.4	2.1	<2.0	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<1.9	2.2	2.1	2.6	<1.9	
PFPeS	perfluoropentane sulfonate		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	
PMPA	perfluoro-2-methoxypropanoic acid					<1.0																	

Last Updated: 5/15/2023

ng/L: nanograms per liter
ppt: parts per trillion

Durham Water Management Drinking Water PFAS Sampling Results (2018-2022)

Date of Sample: 2/28/2018 8/6/2018 11/14/2018 3/18/2019 5/13/2019 8/12/2019 11/12/2019 2/27/2020 5/12/2020 8/11/2020 11/10/2020 2/9/2021 5/11/2021 8/10/2021 11/17/2021 2/8/2022 5/10/2022 8/9/2022 11/8/2022 2/27/2023
 Total Number of Analytes: 18 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39

Collective Analytes above Minimum Reporting Limit (ng/L or ppt)		Brown Water Treatment Plant																			
PFBS	Perfluorobutane sulfonic acid	4.8	5.7	5.3	4.3	5.5	7.0	6.5	3.9	5.2	5.0	6.1	5.5	5.3	8.3	7.3	4.3	4.8	4.7	5.0	6.4
PFBA	Perfluorobutanoic acid	<2.0	<5.0	<5.0	<5.0	<5.0	5.2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
PFDA	Perfluorodecanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFHxA	perfluorohexanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFHpA	perfluoroheptanoate	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFHxS	perfluorohexane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFNA	perfluorononanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFOS	perfluorooctane sulfonate	3.7	6.3	5.9	5.1	7.8	8.9	7.4	5.5	5.2	6.7	7.3	6.6	4.9	8.1	7.2	4.1	4.7	5.5	6.6	6.5
PFOA	perfluorooctanoate	2.7	4.2	4.0	3.4	4.9	5.4	5.0	3.5	3.2	3.7	4.2	4.0	3.3	5.0	4.4	2.5	2.9	3.1	3.7	3.7
PFHpS	perfluoroheptane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFPeA	Perfluoropentanoic acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFPeS	perfluoropentane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9

Collective Analytes above Minimum Reporting Limit (ng/L or ppt)		Williams Water Treatment Plant																		
PFBS	Perfluorobutane sulfonic acid	5.1	5.1	6.2	4.5	6.2	6.3	3.9	4.4	5.3	6.5	5.1	5.7	8.4	7.3	4.3	4.8	4.7	5	5.9
PFBA	Perfluorobutanoic acid	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.7	<4.7	<4.7	<4.7	<4.7	<4.7
PFDA	Perfluorodecanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFHxA	perfluorohexanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFHpA	perfluoroheptanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFHxS	perfluorohexane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFNA	perfluorononanoate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFOS	perfluorooctane sulfonate	5.8	5.5	6.0	6.7	7.9	7.2	5.5	4.5	7.0	7.9	6.4	6.0	9.2	7.1	3.8	4.8	5.4	7.1	6.1
PFOA	perfluorooctanoate	3.7	3.8	4.4	4.1	4.8	4.5	3.4	2.6	3.9	4.7	3.9	3.8	5.5	4.4	2.4	2.8	3.1	3.7	3.7
PFHpS	perfluoroheptane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFPeA	Perfluoropentanoic acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
PFPeS	perfluoropentane sulfonate	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9

Last Updated: 5/15/2023

ng/L: nanograms per liter
 ppt: parts per trillion