

FAIRFAX WATER PFAS TESTING DATA
2022 - present

Sampling Event	September 2023			June 2023		March 2023			December 2022			September 2022			July 2022			
Analytical Method	(Non-regulatory)			VDH Occurrence Study		(Non-regulatory)			(Non-regulatory)			(Non-regulatory)			(Non-regulatory)			
	EPA Method 533 & EPA Method 537.1			EPA Method 533		EPA Method 533 & EPA Method 537.1			EPA Method 533 & EPA Method 537.1			EPA Method 533 & EPA Method 537.1			EPA Method 533 & EPA Method 537.1			
Site	Potomac Finished 1	Occoquan Finished	Potomac Finished 2	Potomac Finished 1	Occoquan Finished	Potomac Finished 1	Occoquan Finished	Potomac Finished 2	Potomac Finished 1	Occoquan Finished	Potomac Finished 2	Potomac Finished 1	Occoquan Finished	Potomac Finished 2	Potomac Finished 1	Occoquan Finished	Potomac Finished 2	
Analyte	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	Result ppt	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)																		
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ND	3.2	ND	ND	2.2	ND	3.5	ND	ND	1.9	ND	ND	ND	ND	ND	2.1	ND	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
ADONA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
9CI-PF3ONS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
11CI-PF3OUs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
HFPO-DA/GenX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nafion Byproduct 1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Nafion Byproduct 2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
N-ethylperfluorooctane sulfonamide (NEtFOSA)	NEtFOSA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
N-ethylperfluorooctane sulfonamidoethanol	NEtFOSE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
N-methylperfluorooctane sulfonamide (NMeFOSA)	NMeFOSA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
N-methylperfluorooctane sulfonamidoethanol	NMeFOSE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Perfluorobutanesulfonic acid (PFBS)	PFBS	3.5	10	3.5	ND	5.0	ND	4.5	ND	2.7	6.8	2.2	2.3	6.7	2.2	2.2	6.2	2.6
Perfluorobutanoic acid (PFBA)	PFBA	3.8	17	6.8	ND	14	ND	8.1	ND	2.7	15	3.4	ND	16	ND	2.5	14	3.7
Perfluorodecanoic acid (PFDA)	PFDA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorohexanoic acid (PFHpA)	PFHpA	ND	7.0	ND	ND	3.9	ND	3.2	ND	ND	4.9	ND	ND	4.7	ND	ND	5.4	ND
Perfluorohexanesulfonic acid (PFHxS)	PFHxS	ND	2.6	ND	ND	1.9	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	2.1	ND
Perfluorohexanoic acid (PFHxA)	PFHxA	4.7	21	5.3	ND	9.3	ND	8.9	2.2	3.6	14	2.8	2.2	14	2.7	2.7	13	3.4
Perfluorododecanoic acid (PFDoA)	PFDoA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorononanoic acid (PFNA)	PFNA	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanesulfonic acid (PFOS)	PFOS	3.4	6.2	3.8	ND	3.5	ND	3.0	1.9	2.3	3.7	2.0	2.6	3.8	2.6	2.6	5.1	3.7
N-ethyl Perfluorooctanesulfonamidoacetic acid	NEtFOSAA	ND	ND	ND	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-methyl Perfluorooctanesulfonamidoacetic acid	NMeFOSAA	ND	ND	ND	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid (PFOA)	PFOA	3.2	8.7	3.8	ND	3.9	ND	3.7	ND	1.9	5.7	1.9	1.8	5.7	2.1	ND	5.8	3.0
Perfluorotridecanoic acid (PFTrDA)	PFTrDA	ND	ND	ND	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroundecanoic acid (PFUnA)	PFUnA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorododecanesulfonic acid (PFDoS)	PFDoS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorodecanesulfonic acid (PFDS)	PFDS	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoroheptanesulfonic acid (PFHpS)	PFHpS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorohexadecanoic acid (PFHxDA)	PFHxDA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nonafluoro-3,6-dioxahexanoic acid (NFDHA)	NFDHA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoro-4-isopropoxybutanoic acid		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoro-2-methoxyacetic acid		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoro-4-methoxybutanoic acid (PFMBA)	PFMBA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluoro-3-methoxypropanoic acid (PFMPA)	PFMPA	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorononanesulfonic acid (PFNS)		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoro(3,5-dioxahexanoic) acid		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoro(3,5,7-trioxaoctanoic) acid		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoro(3,5,7,9-tetraoxadecanoic) acid		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluorooctane sulfonamide (PFOSA)	PFOSA	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Perfluoropentanoic acid (PFPeA)	PFPeA	6.1	28	6.8	ND	11	ND	9.7	2.5	4.7	19	3.5	2.8	20	4.1	3.0	17	4.9
Perfluoropentanesulfonic acid (PFPeS)	PFPeS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorotetradecanoic acid (PFTeDA or PFTA)	PFTeDA/PFTA	ND	ND	ND	---	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perfluor(2-ethoxyethane) sulfonic acid (PFEEESA)	PFEEESA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NR = Non-regulatory, voluntary; R = Regulatory

ND = non-detect (below reporting limit)

ND = non-detect (below reporting limit) ND = non-detect (below reporting limit)

Last updated 10/2/2023

The reporting limits for the results in this table range from 1.8 - 2.2 ppt

FAIRFAX WATER PFAS TESTING DATA
2013 - 2021

Sampling Event		May/July 2021					April 2021			UCMR 3 2013-2015				November 2020				
Analytical Method		VDH Occurrence Study					(Non-regulatory)			(Regulatory)				(Non-regulatory)				
		EPA Method 533					EPA Method 533			EPA Method 537				Method L402 ¹				
		Min Rep Level	Occoquan Finished	Min Rep Level	Potomac Finished 1	Potomac Finished 2	Min Rep Level	Potomac Finished	Occoquan Finished	Min Rep Level	Potomac Finished 1*	Occoquan Finished	Potomac Finished 2	Min Rep Level	Potomac Finished*	Occoquan Finished*	Potomac Finished 2	
Site		MRL	Result	MDL	Result	Result	MRL	Result	Result	MRL	Result	Result	Result	MRL	Result	Result	Result	
Analyte		ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	ppt	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)		---	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
4:2 Fluorotelomer sulfonic acid (4:2 FTS)		3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	---	2	ND	ND	ND	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)		3.9	ND	3.7	ND	ND	2	ND	2.8	---	---	---	---	2	ND	ND	ND	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)		3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	---	2	ND	ND	ND	
ADONA		3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	---	2	ND	ND	ND	
9CI-PF3ONS		3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	---	2	ND	ND	ND	
11CI-PF3OUdS		3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	---	2	ND	ND	ND	
HFPO-DA/GenX		3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	---	5	ND	ND	ND	
Nafion Byproduct 1		---	---	---	---	---	---	---	---	---	---	---	---	5	ND	ND	ND	
Nafion Byproduct 2		---	---	---	---	---	---	---	---	---	---	---	---	5	ND	ND	ND	
N-ethylperfluorooctane sulfonamide (NETFOSA)		NetFOSA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
N-ethylperfluorooctane sulfonamidoethanol		NETFOSE	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
N-methylperfluorooctane sulfonamide (NMeFOSA)		NMeFOSA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	Result	
N-methylperfluorooctane sulfonamidoethanol		NMeFOSE	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluorobutanesulfonic acid (PFBS)		PFBS	3.9	5.6	3.7	ND	ND	2	ND	3.9	90	ND	ND	ND	2	2.6	2.6	2.5
Perfluorobutanoic acid (PFBA)		PFBA	3.9	7.7	3.7	ND	4.3	2	2.1	6.9	---	---	---	5	5.2	8.2	ND	
Perfluorodecanoic acid (PFDA)		PFDA	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	2	ND	ND	ND	
Perfluoroheptanoic acid (PFHpA)		PFHpA	3.9	4.4	3.7	ND	1.3	2	ND	3.3	10	ND	ND	ND	2	ND	2.4	ND
Perfluorohexanesulfonic acid (PFHxS)		PFHxS	3.9	2.0	3.7	ND	ND	2	ND	ND	30	ND	ND	ND	2	ND	ND	ND
Perfluorohexanoic acid (PFHxA)		PFHxA	3.9	12	3.7	ND	4.4	2	ND	7.8	---	---	---	2	3.6	4.2	4.1	
Perfluorododecanoic acid (PFDoA)		PFDoA	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	2	ND	ND	ND	
Perfluorononanoic acid (PFNA)		PFNA	3.9	ND	3.7	ND	ND	2	ND	ND	20	ND	ND	ND	2	ND	ND	ND
Perfluorooctanesulfonic acid (PFOS)		PFOS	3.9	5.1	3.7	ND	ND	2	ND	3.7	40	ND	ND	ND	2	2.3	4.3	3.3
N-ethyl Perfluorooctanesulfonamidoacetic acid		NetFOSAA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
N-methyl Perfluorooctanesulfonamidoacetic acid		NMeFOSAA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluorooctanoic acid (PFOA)		PFOA	3.9	5.5	3.7	ND	ND	2	ND	4.3	20	ND	ND	ND	2	2.4	3.6	3.0
Perfluorotridecanoic acid (PFTrDA)		PFTrDA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluoroundecanoic acid (PFUnA)		PFUnA	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	2	ND	ND	ND	
Perfluorododecanesulfonic acid (PFDoS)		PFDoS	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluorodecanesulfonic acid (PFDS)		PFDS	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluoroheptanesulfonic acid (PFHpS)		PFHpS	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	2	ND	ND	ND	
Perfluorohexadecanoic acid (PFHxDA)		PFHxDA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		NFDHA	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	5	ND	ND	ND	
Perfluoro-4-isopropoxybutanoic acid		---	---	---	---	---	---	---	---	---	---	---	---	5	ND	ND	ND	
Perfluoro-2-methoxyacetic acid		---	---	---	---	---	---	---	---	---	---	---	---	5	ND	ND	ND	
Perfluoro-4-methoxybutanoic acid (PFMBA)		PFMBA	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	5	ND	ND	ND	
Perfluoro-3-methoxypropanoic acid (PFMPA)		PFMPA	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	5	ND	ND	ND	
Perfluorononanesulfonic acid (PFNS)		PFNS	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluoro(3,5-dioxahexanoic) acid		---	---	---	---	---	---	---	---	---	---	---	---	5	ND	ND	ND	
Perfluoro(3,5,7-trioxaoctanoic) acid		---	---	---	---	---	---	---	---	---	---	---	---	5	ND	ND	ND	
Perfluoro(3,5,7,9-tetraoxadecanoic) acid		---	---	---	---	---	---	---	---	---	---	---	---	5	ND	ND	ND	
Perfluorooctane sulfonamide (PFOSA)		PFOSA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluoropentanoic acid (PFPeA)		PFPeA	3.9	14	3.7	ND	4.2	2	ND	9.0	---	---	---	2	4.8	5.7	5.0	
Perfluoropentanesulfonic acid (PFPeS)		PFPeS	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	2	ND	ND	ND	
Perfluorotetradecanoic acid (PFTeDA or PFTA)		PFTeDA/PFTA	---	---	---	---	---	---	---	---	---	---	---	2	ND	ND	ND	
Perfluor(2-ethoxyethane) sulfonic acid (PFEESA)		PFEESA	3.9	ND	3.7	ND	ND	2	ND	ND	---	---	---	---	---	---	---	

¹ Multiple sites sampled; Highest single result reported

¹ Method L402 is a proprietary method is not an EPA-approved method for PFAS testing

NR = Non-regulatory, voluntary; R = Regulatory

ND = non-detect (below reporting limit)

Last updated 1/27/2023

MRL = Minimum Reporting Level, lowest level that can be accurately measured and reported by the method