

Potomac Filtration Plant				
Sample date	Per- and polyfluoroalkyl substances (PFAS)	Result (ppt)	Minimum Reporting Level (ppt)	Health Reference Levels
September, 2022	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	not detected	2.0	n/a ¹
	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	not detected	2.0	n/a ¹
	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	not detected	2.0	n/a ¹
	hexafluoropropylene oxide dimer acid (HFPO DA)	not detected	2.0	10-370 ppt ⁹
	nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	not detected	2.0	n/a ¹
	perfluorobutanoic acid (PFBA)	7.4	2.0	7,000 ppt ¹⁰
	perfluorobutanesulfonic acid (PFBS)	3.5	2.0	420 -2,100 ppt ²
	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	not detected	2.0	n/a ¹
	perfluorodecanoic acid (PFDA)	not detected	2.0	<20 ppt ³
	perfluorododecanoic acid (PFDoA)	not detected	2.0	n/a ¹
	perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	not detected	2.0	n/a ¹
	perfluoroheptanesulfonic acid (PFHpS)	not detected	2.0	n/a ¹
	perfluoroheptanoic acid (PFHpA)	3.8	2.0	<20 ppt ³
	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	not detected	2.0	n/a ¹
	perfluorohexanesulfonic acid (PFHxS)	3.0	2.0	18 - 140 ppt ⁴
	perfluorohexanoic acid (PFHxA)	7.5	2.0	400,000 - 560,000 ppt ⁵
	perfluoro-3-methoxypropanoic acid (PFMPA)	not detected	2.0	n/a ¹
	perfluoro-4-methoxybutanoic acid (PFMBA)	not detected	2.0	n/a ¹
	perfluorononanoic acid (PFNA)	not detected	2.0	6 - 21 ppt ⁶
	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	not detected	2.0	n/a ¹
	perfluorooctanesulfonic acid (PFOS)	6.2	2.0	0.02 -20 ppt ⁷
	perfluorooctanoic acid (PFOA)	5.3	2.0	0.004 - 20 ppt ⁸
	perfluoropentanoic acid (PFPeA)	19	2.0	n/a ¹
	perfluoropentanesulfonic acid (PFPeS)	not detected	2.0	n/a ¹
perfluoroundecanoic acid (PFUnA)	not detected	2.0	n/a ¹	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	not detected	2.0	n/a ¹	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	not detected	2.0	n/a ¹	
perfluorotetradecanoic acid (PFTA)	not detected	2.0	n/a ¹	
perfluorotridecanoic acid (PFTrDA)	not detected	2.0	n/a ¹	

Patuxent Filtration Plant				
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	hexafluoropropylene oxide dimer acid (HFPO DA)	not detected	2.0	10-370 ppt ⁹
	nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	not detected	2.0	n/a ¹
	perfluorobutanoic acid (PFBA)	3.9	2.0	7,000 ppt ¹⁰
	perfluorobutanesulfonic acid (PFBS)	not detected	2.0	420 -2,100 ppt ²
	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	not detected	2.0	n/a ¹
	perfluorodecanoic acid (PFDA)	not detected	2.0	<20 ppt ³
	perfluorododecanoic acid (PFDoA)	not detected	2.0	n/a ¹
	perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	not detected	2.0	n/a ¹
	perfluoroheptanesulfonic acid (PFHpS)	not detected	2.0	n/a ¹
	perfluoroheptanoic acid (PFHpA)	not detected	2.0	<20 ppt ³
	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	not detected	2.0	n/a ¹
	perfluorohexanesulfonic acid (PFHxS)	not detected	2.0	18 - 140 ppt ⁴
	perfluorohexanoic acid (PFHxA)	3.0	2.0	400,000 - 560,000 ppt ⁵
	perfluoro-3-methoxypropanoic acid (PFMPA)	not detected	2.0	n/a ¹
	perfluoro-4-methoxybutanoic acid (PFMBA)	not detected	2.0	n/a ¹
	perfluorononanoic acid (PFNA)	not detected	2.0	6 - 21 ppt ⁶
	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	not detected	2.0	n/a ¹
	perfluorooctanesulfonic acid (PFOS)	2.6	2.0	0.02 -20 ppt ⁷
	perfluorooctanoic acid (PFOA)	2.4	2.0	0.004 - 20 ppt ⁸
	perfluoropentanoic acid (PFPeA)	3.4	2.0	n/a ¹
	perfluoropentanesulfonic acid (PFPeS)	not detected	2.0	n/a ¹
perfluoroundecanoic acid (PFUnA)	not detected	2.0	n/a ¹	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	not detected	2.0	n/a ¹	
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	not detected	2.0	n/a ¹	
perfluorotetradecanoic acid (PFTA)	not detected	2.0	n/a ¹	
perfluorotridecanoic acid (PFTrDA)	not detected	2.0	n/a ¹	

Definitions

ppt = parts per trillion. One part per trillion is equivalent to one drop of water in 20 olympic-sized swimming pools

Minimum Reporting Level : The lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a reasonable degree of accuracy and precision

Not Detected : A compound is either not present or present at such low concentrations that it cannot be accurately detected by the analytical method.

MCL : maximum contamination limit

Footnotes

¹ n/a = not applicable. There are no accepted standards for these compounds

² Michigan MCL of 420 ppt and 2,100 ppt Ohio EPA Action Level

³ Massachusetts MCL for the sum of the six PFAS compounds known as PFAS-6

⁴ New Hampshire MCL of 18 ppt and US EPA minimum risk level of 140 ppt for children

⁵ Michigan MCL 400,000 ppt to 560,000 ppt Illinois health advisory level

⁶ Michigan MCL 6 ppt to 21 ppt US CDC minimal risk level for children

⁷ 0.02 ppt interim US EPA Health Advisory to 20 Massachusetts sum of six PFAS compounds known as PFAS-6

⁸ 0.004 ppt interim US EPA Health Advisory to 20 Massachusetts sum of six PFAS compounds known as PFAS-6

⁹ 10 ppt final US EPA Health Advisory to 370 ppt Michigan MCL

¹⁰ Minnesota guidance value of 7,000 ppt