

Potomac Filtration Plant (UCMR5_SE4)			
Sample date	Per- and polyfluoroalkyl substances (PFAS)	Result (ppt)	MCL/Health Reference Levels
June, 2024	11-chloroicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	not detected	n/a ¹
	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	not detected	n/a ¹
	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	not detected	n/a ¹
	hexafluoropropylene oxide dimer acid (HFPO DA)	not detected	10 ppt (MCL)
	nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	not detected	n/a ¹
	perfluorobutanoic acid (PFBA)	not detected	7,000 ppt ⁵
	perfluorobutanesulfonic acid (PFBS)	not detected	420 -2,100 ppt ²
	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	not detected	n/a ¹
	perfluorodecanoic acid (PFDA)	not detected	<20 ppt ³
	perfluorododecanoic acid (PFDoA)	not detected	n/a ¹
	perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	not detected	n/a ¹
	perfluoroheptanesulfonic acid (PFHpS)	not detected	n/a ¹
	perfluoroheptanoic acid (PFHpA)	not detected	<20 ppt ³
	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	not detected	n/a ¹
	perfluorohexanesulfonic acid (PFHxS)	not detected	10 ppt (MCL)
	perfluorohexanoic acid (PFHxA)	3.8	400,000 - 560,000 ppt ⁴
	perfluoro-3-methoxypropanoic acid (PFMPA)	not detected	n/a ¹
	perfluoro-4-methoxybutanoic acid (PFMBA)	not detected	n/a ¹
	perfluorononanoic acid (PFNA)	not detected	10 ppt (MCL)
	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	not detected	n/a ¹
	perfluorooctanesulfonic acid (PFOS)	not detected	4 ppt (MCL)
	perfluorooctanoic acid (PFOA)	not detected	4 ppt (MCL)
	perfluoropentanoic acid (PFPeA)	4.1	n/a ¹
	perfluoropentanesulfonic acid (PFPeS)	not detected	n/a ¹
	perfluoroundecanoic acid (PFUnA)	not detected	n/a ¹
	N-ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	not detected	n/a ¹
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	not detected	n/a ¹
perfluorotetradecanoic acid (PFTA)	not detected	n/a ¹	
perfluorotridecanoic acid (PFTrDA)	not detected	n/a ¹	
Hazard Index = ([GenXwater] / [10 ppt]) + ([PFBSwater] / [2000 ppt]) + ([PFNAwater] / [10 ppt]) + ([PFHxSwater] / [9.0 ppt])	0	<1	
Lithium	not detected	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

Hazard Index = ([GenXwater] / [10 ppt]) + ([PFBSwater] / [2000 ppt]) + ([PFNAwater] / [10 ppt]) + ([PFHxSwater] / [9.0 ppt]) The Hazard Index (HI) is made up of a sum of fractions. Each fraction compares the level of each PFAS measured in the water to the highest level determined not to have risk of health effects. If the running annual average HI greater than 1.0, it is a violation of the proposed HI MCL.

Footnotes

¹ n/a = not applicable. There are no accepted federal 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 Michigan MCL 400,000 ppt to 560,000 ppt Illinois health advisory level

⁵ Minnesota guidance value of 7,000 ppt

Patuxent Filtration Plant (UCMR5_SE4)			
Sample date	Per- and polyfluoroalkyl substances (PFAS)	Result (ppt)	Health Reference Levels
June, 2024	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	not detected	n/a ¹
	9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	not detected	n/a ¹
	4,8-dioxa-3H-perfluorononanoic acid (ADONA)	not detected	n/a ¹
	hexafluoropropylene oxide dimer acid (HFPO DA)	not detected	10 ppt (MCL)
	nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	not detected	n/a ¹
	perfluorobutanoic acid (PFBA)	not detected	7,000 ppt ⁵
	perfluorobutanesulfonic acid (PFBS)	not detected	420 -2,100 ppt ²
	1H,1H, 2H, 2H-perfluorodecane sulfonic acid (8:2FTS)	not detected	n/a ¹
	perfluorodecanoic acid (PFDA)	not detected	<20 ppt ³
	perfluorododecanoic acid (PFDoA)	not detected	n/a ¹
	perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	not detected	n/a ¹
	perfluoroheptanesulfonic acid (PFHps)	not detected	n/a ¹
	perfluoroheptanoic acid (PFHpA)	not detected	<20 ppt ³
	1H,1H, 2H, 2H-perfluorohexane sulfonic acid (4:2FTS)	not detected	n/a ¹
	perfluorohexanesulfonic acid (PFHxS)	not detected	10 ppt (MCL)
	perfluorohexanoic acid (PFHxA)	not detected	400,000 - 560,000 ppt ⁴
	perfluoro-3-methoxypropanoic acid (PFMPA)	not detected	n/a ¹
	perfluoro-4-methoxybutanoic acid (PFMBA)	not detected	n/a ¹
	perfluorononanoic acid (PFNA)	not detected	10 ppt (MCL)
	1H,1H, 2H, 2H-perfluorooctane sulfonic acid (6:2FTS)	not detected	n/a ¹
	perfluorooctanesulfonic acid (PFOS)	not detected	4 ppt (MCL)
	perfluorooctanoic acid (PFOA)	not detected	4 ppt (MCL)
	perfluoropentanoic acid (PFPeA)	not detected	n/a ¹
	perfluoropentanesulfonic acid (PFPeS)	not detected	n/a ¹
	perfluoroundecanoic acid (PFUnA)	not detected	n/a ¹
	N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	not detected	n/a ¹
	N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	not detected	n/a ¹
perfluorotetradecanoic acid (PFTA)	not detected	n/a ¹	
perfluorotridecanoic acid (PFTrDA)	not detected	n/a ¹	
Hazard Index = ([GenXwater] / [10 ppt]) + ([PFBSwater] / [2000 ppt]) + ([PFNAwater] / [10 ppt]) + ([PFHxSwater] / [9.0 ppt])	0	<1	
Lithium	not detected	n/a ¹	

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