

Historical PFAS Results

In 2016, USEPA issued drinking water health advisories for PFOA and PFOS at 70 parts per trillion (ppt). These standards are non binding, non regulatory, and meant to provide technical information to state agencies and other public health officials on health effects, analytical methodologies, and treatment technologies associated with drinking water contamination. Evanston's results are well below the Health Advisory of 70 ppt. Communities along the west shore of Lake Michigan are seeing similar results at about 2 ppt on average.

<i>ppt= parts per trillion. The lowest concentration the laboratory can reliably detect is 2.0 ppt.</i>																					
	1/19/2022		4/20/2022		7/13/2022		10/12/2022		1/12/2023		4/6/2023		7/5/2023		10/4/2023		01/23/2024		04/10/2024		
ANALYTE parts per trillion (ppt)	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP	RAW	
Perfluorooctane sulfonate (PFOS)	2.1	2	2.1	2.1	2.3	2.2	2.3	2.2	2	2.1	2.4	2.3	2.4	2.3	2.2	2.3	<1.9	2	<2.0	<2.0	
Perfluorooctanoic acid (PFOA)	2.3	2.3	2.4	2.5	2.1	2.3	2.3	2.2	2.4	2.2	2.4	2.3	2.5	2.3	2.9	3.1	2.1	2.1	<2.0	2	
Perfluoroundecanoic acid (PFUnA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorodecanoic acid (PFDA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0

	1/19/2022		4/20/2022		7/13/2022		10/12/2022		1/12/2023		4/6/2023		7/5/2023		10/4/2023		01/23/2024		04/10/2024	
Perfluorohexanesulfonic acid (PFHxS)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorobutanesulfonic acid (PFBS)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluoroheptanoic acid (PFHpA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorononanoic acid (PFNA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorotetradecanoic acid (PFTeDA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
N-methyl Perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
N-ethyl Perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0

	1/19/2022		4/20/2022		7/13/2022		10/12/2022		1/12/2023		4/6/2023		7/5/2023		10/4/2023		01/23/2024		04/10/2024		
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<1.8	<1.8	<1.8	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<2.0

	2019	2019	2020	2020	2021	2021
ANALYTE (ppt)	TAP	RAW	TAP	RAW	TAP	RAW
Perfluorooctane sulfonate (PFOS)	2.1	2.1	2.2	2.4	2.4	2.5
Perfluorooctanoic acid (PFOA)	<2.0	<2.0	<2.0	<2.0	2.4	2.2
11Cl-PF3OUdS/F-53B Minor	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
9Cl-PF3ONS/F-53B Major	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
ADONA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
HFPO-DA/GenX	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-ethyl Perfluorooctanesulfonamidoacetic acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
N-Menthyl Perfluorooctanesulfonamidoacetic acid	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorobutanesulfonic acid (PFBS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorodecanoic acid (PFDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorododecanoic acid (PFDoA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroheptanoic acid (PFHpA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanesulfonic acid (PFHxS)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorohexanoic acid (PFHxA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorononanoic acid (PFNA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotetradecanoic acid (PFTeDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluorotridecanoic acid (PFTrDA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Perfluoroundecanoic acid (PFUnA)	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0

City of Evanston PFAS Testing Results		
Date	City of Evanston Drinking Water	
	PFOS	PFOA
	IEPA Guidance Level 14.0 (ppt) US EPA Interim Lifetime Health Advisories 0.004 (ppt)	IEPA Guidance Level 2.0 (ppt) US EPA Interim Lifetime Health Advisories 0.020 (ppt)
9/2/2021	2.4	2.2
11/16/2021	*2.3	*2.3
11/16/2021	**2.2	**2.2

*indicates confirmation sample results, **indicates duplicate confirmation sample results.

	2018
ANALYTE (ppt)	TAP
Perfluorooctane sulfonate (PFOS)	2.1
Perfluorooctanoic acid (PFOA)	<2.0

	8/15/2013	11/14/2013	2/12/2014	5/7/2014
ANALYTE (ppb)	TAP	TAP	TAP	TAP
Perfluorooctane (PFOS)	<0.04	<0.04	<0.04	<0.04
Perfluorooctanoic acid (PFOA)	<0.02	<0.02	<0.02	<0.02

	2009	2010	2011
ANALYTE (ppt)	TAP	TAP	TAP
Perfluorooctane sulfonate (PFOS)	2.1	1.5	1.8
Perfluorooctanoic acid (PFOA)	<10	<10	<10

ppt = parts per trillion ppb = parts per billion