



PFAS Results (All results reported as Nanograms per liter (ng/L))

Contaminant	Sample Date	Range of Detect	Average	EPA HAL
PFOS	3Q, 4Q 2023	2.7-ND	1.15	0.02
PFOA	3Q, 4Q 2023	2.2-ND	0.78	0.004
PFBS	3Q, 4Q 2023	3.1-0.69	1.66	2000
PFHpA	3Q, 4Q 2023	1.5-ND	0.10	
PFHxS	3Q, 4Q 2023	1.7-0.78	1.28	
PFNA	3Q, 4Q 2023	ND	N/A	
PFDA	3Q, 4Q 2023	ND	N/A	
PFHxA	3Q, 4Q 2023	2.3-ND	0.68	
PFDoA	3Q, 4Q 2023	ND	N/A	
PFTTrDA	3Q, 4Q 2023	ND	N/A	
PFUnA	3Q, 4Q 2023	ND	N/A	
NEtFOSAA	3Q, 4Q 2023	ND	N/A	
NMeFOSAA	3Q, 4Q 2023	ND	N/A	
HFPO-DA/ Gen X	3Q, 4Q 2023	ND	N/A	10
ADONA	3Q, 4Q 2023	ND	N/A	
9CI-PF3ONS	3Q, 4Q 2023	ND	N/A	
11CI-PF3OUdS	3Q, 4Q 2023	ND	N/A	
PFTeDA / PFTA	3Q, 4Q 2023	ND	N/A	
NFDHA	11/28/2023	0.32-ND	0.06	
PFBA	11/28/2023	4.2-ND	0.84	
PFPeA	11/28/2023	0.85-ND	0.23	
8:2FTS	11/28/2023	ND	N/A	
PFEESA	11/28/2023	ND	N/A	
PFHpS	11/28/2023	ND	N/A	
4:2FTS	11/28/2023	ND	N/A	
PFMPA	11/28/2023	ND	N/A	
PFMBA	11/28/2023	ND	N/A	
6:2FTS	11/28/2023	ND	N/A	
PFPeS	11/28/2023	ND	N/A	
PFTDA	11/28/2023	ND	N/A	

PFAS Testing

Carolina Water Service of North Carolina continues efforts to conduct statewide drinking water testing for Per- and Polyfluoroalkyl Substances (PFAS). These man-made compounds are used in the manufacturing of products resistant to water, grease or stains including firefighting foams, cleaners, cosmetics, paints, adhesives and insecticides. PFAS can migrate into the soil, water, and air and is likely present in the blood of humans and animals all over the world. During 2023, the Environmental Protection Agency (EPA) had Health Advisory Levels (HALs) for GenX, PFBS, PFOA, and PFOS. On April 10, 2024, the EPA approved new drinking water standards for six PFAS including PFOA, PFOS, PFNA, PFHxS, PFBS, and GenX Chemicals. We are reviewing the components of the new rule and will take appropriate actions to meet new regulations.

Our focus will remain, as always, on supplying our customers with safe and reliable water.

For more information visit <https://www.epa.gov/pfas>.

Terms and Abbreviations:

- 11CI-PF3OUdS** – 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid
- 4:2FTS** – 1H,1H, 2H, 2H-perfluorohexane sulfonic acid
- 6:2FTS** – 1H,1H, 2H, 2H-perfluorooctane sulfonic acid
- 8:2FTS** – 1H,1H, 2H, 2H-perfluorodecane sulfonic acid
- 9CI-PF3ONS** – 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid
- ADONA** – 4,8-Dioxa-3H-perfluoro-nonanoic acid
- GenX** – Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)
- Health Advisory Level (HAL)** – To provide Americans, including the most sensitive populations, with a margin of protection from a lifetime of exposure to GenX, PFBS, PFOA and PFOS from drinking water, EPA established health advisory levels.
- N/A** – Not applicable
- ND (No Detect)** - No detection means the constituent is not detectable at the minimum reporting limit.
- NEtFOSAA** – N-ethyl perfluorooctanesulfonamidoacetic acid
- NFDHA** – nonafluoro-3,6-dioxaheptanoic acid
- Ng/L** – Nanograms per liter (ng/L) which equals Parts per trillion (ppt) – One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.
- NMeFOSAA** – N-methyl perfluorooctanesulfonamidoacetic acid
- PFBA** – Perfluorobutanoic acid
- PFBS** – Perfluorobutanesulfonic acid
- PFDA** – Perfluorodecanoic acid
- PFDoA** – Perfluorododecanoic acid
- PFEESA** – Perfluoro(2-ethoxyethane)sulfonic acid
- PFHpA** – Perfluoroheptanoic acid
- PFHpS** – Perfluoroheptanesulfonic acid
- PFHxA** – Perfluorohexanoic acid
- PFHxS** – Perfluorohexanesulfonic acid
- PFMBA** – Perfluoro-4-methoxybutanoic acid
- PFMPA** – Perfluoro-3-methoxypropanoic acid
- PFNA** – Perfluorononanoic acid
- PFPeA** – Perfluoropentanoic acid
- PFPeS** – Perfluoropentanesulfonic acid
- PFOA** – Perfluorooctanoic acid
- PFOS** – Perfluorooctane sulfonate
- PFTDA** – Perfluorotetradecanoic acid
- PFTeDA / PFTA** – Perfluorotetradecanoic acid
- PFTTrDA** – Perfluorotridecanoic acid
- PFUnA** – Perfluoroundecanoic acid