

Table 1
Summary of PFAS Drinking Water Analytical Results
First Quarter 2024
Camanche Water Supply, IA2322066

Parameter	Location State ID Sample Date	IA2322066 WL05 27803 2/20/2024	IA2322066 TP04 TP04 2/20/2024	IA2322066 TP05 TP05 2/20/2024
Per- and Polyfluoroalkyl Substances (ng/l)				
Perfluoropentanoic acid (PFPeA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorohexanoic acid (PFHxA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoroheptanoic acid (PFHpA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorooctanoic acid (PFOA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorononanoic acid (PFNA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorodecanoic acid (PFDA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoroundecanoic acid (PFUnA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorododecanoic acid (PFDoA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorobutanesulfonic acid (PFBS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoropentanesulfonic acid (PFPeS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorohexanesulfonic acid (PFHxS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoroheptanesulfonic acid (PFHpS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluorooctanesulfonic acid (PFOS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2 FTS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2 FTS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2 FTS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9Cl-PF3ONS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Hexafluoropropylene oxide dimer acid (HFPO-DA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
4,8-dioxa-3H-perfluorononanoic acid (ADONA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Nonafluoro-3, 6-dioxaheptanoic acid (NFDHA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoro-4-methoxybutanoic acid (PFMBA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoro-3-methoxypropanoic acid (PFMPA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (TFSl)		< 1.8 (ND)	< 1.8 (ND)	< 1.8 (ND)
Perfluorobutanoic acid (PFBA)		< 1.9 (ND)	< 2.1 (ND)	< 1.9 (ND)
Perfluoropropionic acid (PFPrA)		< 4.5 (ND)	< 4.5 (ND)	< 4.6 (ND)

Notes:

WL – well.

TP - treatment plant or treated water.

1. The data validation process is ongoing for the data provided in this letter. If the final data validation results in a change to what is shown, additional communication will follow.

2. All values are expressed in nanograms per liter (ng/l), also referred to as parts per trillion (ppt).

3. ND - not detected. The analyte was not detected above the laboratory reporting limit (RL), which is the lowest concentration the analyte can be reliably measured. Another way of expressing this result is < RL (ND) (e.g., PFOA: < 2.0 (ND) with 2.0 ng/l being the reporting limit).

**Table 2
Summary of Proposed Drinking Water Standards and Health Advisories**

Constituent	U.S. EPA Proposed Drinking Water MCL ^{2,3}	IL EPA Advisory ⁴	ATSDR MRL ⁵
PFOA	4 ppt	2 ppt	78 ppt (adult) and 21 ppt (child)
PFBS	2,000 ppt (or HI = 1)	2,100 ppt	No MRL
PFHxS	9 ppt (or HI = 1)	140 ppt	517 ppt (adult) and 140 ppt (child)
PFOS	4 ppt	14 ppt	52 ppt (adult) and 14 ppt (child)
PFNA	10 ppt (or HI = 1)	21 ppt	78 ppt (adult) and 21 ppt (child)
HFPO-DA	10 ppt (or HI = 1)	21 ppt	No MRL
PFHxA	No MCL	3,500 ppt	No MRL
Other PFAS	No MCL	No Advisory Level	No MRL

Notes:

1. The proposed drinking water standards and health advisories presented in this table are current as of August 29, 2023. The IL EPA Advisory level for PFHxA was revised on April 26, 2023.
2. All values are expressed in parts per trillion (ppt). Parts per trillion can also be expressed as ng/L or nanograms per liter.
3. The U.S. EPA proposed drinking water “maximum contaminant levels” or “MCLs” are proposed levels, which if finalized, are legally enforceable regulatory drinking water standards. Proposed drinking water MCLs are available for six PFAS: PFOA and PFOS as individual contaminants, and PFHxS, PFNA, PFBS, and HFPO-DA as a mixture (see note 3). You can find EPA’s “Proposed PFAS National Primary Drinking Water Regulation” at <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>
4. A Hazard Index (HI) is a commonly used risk management approach for mixtures of chemicals. You can find EPA’s description of their proposed approach at <https://www.federalregister.gov/documents/2023/03/29/2023-05471/pfas-national-primary-drinking-water-regulation-rulemaking#addresses>
5. The IL EPA says: “The guidance levels contained in the Health Advisories represent concentrations in drinking water at which no adverse health effects are expected to occur.” <https://www2.illinois.gov/epa/topics/water-quality/pfas/Pages/pfas-healthadvisory.aspx>. The Advisory value for HFPO-DA can be found at <https://www2.illinois.gov/epa/topics/water-quality/pfas/Pages/pfas-statewide-investigation-network.aspx>
6. The ATSDR says that it sets the “minimal risk levels” or “MRLs” “well below a value that is likely to cause a health effect.” <https://www.atsdr.cdc.gov/pfas/resources/mrl-pfas.html>