

Updated: 6/22/22

**Cambridge Water Department Per- and Polyfluoroalkyl Substances (PFAS) Monitoring - Analytes detected
Entry Point to the Distribution System (EPDS) aka Finish Water**

| C.A.S.# | Compound Name | MasDEP MCL | 1/5/2022 | 2/2/2022 | 3/1/2022 | 4/4/2022 | 5/2/2022 | |
|-------------------------------------|--|---------------|-------------|------------|------------|-----------------|------------------|--|
| | | | ng/L (ppt) | ng/L (ppt) | ng/L (ppt) | ng/L (ppt) * | ng/L (ppt) ** | |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | x | 2.2 | 2.0 | 2.1 | 1.9 | 2.6 | |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | x | 6.7 | 5.7 | 6.2 | 8.0 | 7.6 | |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | x | 2.5 | 2.1 | 2.4 | 2.4 | 2.8 | |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | x | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | x | 2.2 | 1.9 | 2.6 | 2.7 | 2.8 | |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | x | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Sum of PFAS6 detected | | | 13.6 | 11.7 | 13.3 | 15.0 | 16.1 | |
| Quarterly Compliance Average | | | 12.9 | | | | | |

ng/L = nanograms per Liter or ppt, parts per trillion

2.0 ng/L Minimum Reporting Limit (MRL) The lowest quantitated value for a target analyte in a sample. Typically the lowest calibration standard used.

MassDEP Regulation requires quarterly compliance for PFAS6 MCL: ≤ 20 ng/L for sum of PFOA, PFOS, PFHxS, PFNA, PFDA, and PFHpA,

MassDEP PFAS Regulations if PFAS6 is detected monthly monitoring is required:

- If the average of a PFAS6 result and its associated confirmatory sample is greater than 10 ppt, the sampling location must be sampled monthly .
- Monthly Sampling continues until the source is shown to be Reliably and Consistently ≤ 10 ng/L.
- Any PWS that is performing monthly PFAS6 monitoring the regulation requires quarterly averaging for compliance.
- If any PFAS6 monthly monitoring value exceeds 20 ppt, the PWS shall provide public education materials regarding the exceedance.

* April result was rejected by DEP because did not meet Reporting Limits.

** Average of Split sampling sent to 2 separate to certified Laboratories.