

UPDATED 10/2/24

**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	Quarter I (January-March)	Quarter II (April-June)	Quarter III (July-September)	Quarter IV (October-December)
			1/9/2024 ng/L (ppt)	4/10/2024 ng/L (ppt)	7/10/2024 ng/L (ppt)	10/2/2024 ng/L (ppt)
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	x	*TRACE	ND	ND	ND
335-67-1	Perfluorooctanoic Acid (PFOA)	x	4.95	*TRACE	1.80	4.16
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	x	*TRACE	ND	ND	ND
375-95-1	Perfluorononanoic Acid (PFNA)	x	ND	ND	ND	ND
375-85-9	Perfluorohepatanoic Acid (PFHpA)	x	1.98	*TRACE	*TRACE	*TRACE
335-76-2	Perfluorodecanoic acid (PFDA)	x	ND	ND	ND	ND
Sum of PFAS6 detected			6.93	ND	1.80	4.16
Quarterly Compliance Average						

ND= Not detected

*TRACE = trace amounts are present, but they are below the minimum concentration that can be reported as a quantified value.

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.