

Updated: 8/02/22

**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	5/25/2022	6/1/2022	7/6/2022	8/1/2022	
			ng/L (ppt)	ng/L (ppt)	ng/L (ppt)	ng/L (ppt) *	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		2.9	3.7	3.5		
335-67-1	Perfluorooctanoic Acid (PFOA)	x	6.7	5.7	6.2		7.6	8.5	7.7		
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	x	2.5	2.1	2.4		2.8	2.9	2.75		
375-95-1	Perfluorononanoic Acid (PFNA)	x	0.0	0.0	0.0		0.0	0.0	0.0		
375-85-9	Perfluorohepatanoic Acid (PFHpA)	x	2.2	1.9	2.6		2.8	2.8	2.3		
335-76-2	Perfluorodecanoic acid (PFDA)	x	0.0	0.0	0.0		0.0	0.0	0.0		
Sum of PFAS6 detected			13.6	11.7	13.3	0.0	16.1	17.9	16.2		
Quarterly Compliance Average				12.9			17.0		16.2		

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 certified Laboratories