UPDATED 1/13/2024

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

	MasDEP MCL	1/23/2023	2/6/2023	3/23/2023	Quarterly Monitoring Starts 4/1/2023 Quarter II (April-June) 4/3/2023	Quarter III(July-September) 7/12/2023	Quarter IV(October-December) 11/29/2023
C.A.S.# Compound Name		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	ND	*TRACE	ND	ND	ND	*TRACE
335-67-1 **Perfluorooctanoic Acid (PFOA)**	x	*TRACE	**3.2**	**2.7**	**2.4**	**2.1**	**4.4**
355-46-4 **Perfluorohexane Sulfonic Acid (PFHxS)**	x	ND	*TRACE	ND	ND	ND	*TRACE
375-95-1 **Perfluorononanoic Acid (PFNA)**	x	ND	ND	ND	ND	ND	ND
375-85-9 **Perfluorohepatanoic Acid (PFHpA)**	x	*TRACE	*TRACE	*TRACE	*TRACE	*TRACE	**1.8**
335-76-2 **Perfluorodecanoic acid (PFDA)**	x	ND	ND	ND	ND	ND	ND
Sum of **PFAS6** detected		**ND**	3.2	2.7	2.4	2.1	6.3
Quarterly Compliance Average			**ND**		2.4	2.1	6.3

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.