

Cambridge Water Department - PFAS Sampling - November 2019

C.A.S.#	Compound Name	MasDEP Drinking Water*	MCP GroundW Cleanup**	Finish Water Confirmed results ng/L (ppt)	EPA ng/L (ppt)	California Notification Level ng/L (ppt)	NH MCL ng/L (ppt)	VT MCL ng/L (ppt)
1763-23-1	Perfluorooctane Sulfonic Acid (PFOS)	✓	✓	4.9	✓	13	15	✓
335-67-1	Perfluorooctanoic Acid (PFOA)	✓	✓	9.1	✓	14	12	✓
355-46-4	Perfluorohexane Sulfonic Acid (PFHxS)	✓	✓	2.8			18	✓
375-95-1	Perfluorononanoic Acid (PFNA)	✓	✓	0.0			11	✓
375-85-9	Perfluoroheptanoic Acid (PFHpA)	✓	✓	3.2				✓
375-73-5	Perfluorobutane sulfonic acid (PFBS)			2.8				
335-76-2	Perfluorodecanoic acid (PFDA)		✓	0.0				
307-55-1	Perfluorododecanoic acid (PFDoA)			0.0				
307-24-4	Perfluorohexanoic acid (PFHxA)			4.4				
*Sum of 5 PFAS =				19.9	<70			<20
**Sum of 6 PFAS =				19.9				
Sum of all PFAS =				27.1				

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

*MassDEP Drinking Water: 70 ng/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together

**Massachusetts Contingency Plan (MCP) Groundwater Cleanup Standards: 20 ng/L for 6 PFAS: PFOA, PFOS, PFNA, PFHxS, PFHpA, and PFDA.

EPA-Health Advisory Level individual compounds can't exceed 70 ng/L and the sum of the two(PFOS & PFOA) can't exceed 70 ng/L

California Water Resources Control Board-Division of Drinking Water individual compounds can't exceed stated amounts.

New Hampshire- Maximum Contaminant Level (MCL) individual compounds can't exceed stated amounts

Vermont - MCL: 20 ppt for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together

MassDEP recommends:

-If the confirmed PFAS level is above the Office of Research and Standards Guideline(OSRG) of 70 ppt to notify elected officials, consumers, monitor quarterly and use alternate sources, blending sources or installing treatment.

-If the confirmed PFAS level is between 70 ppt and 20 ppt to notify elected officials and consumers, monitor quarterly and consider treatment options.

-If the confirmed PFAS level is between 20 ppt and 10ppt, evaluate operations, review source protection and continue to monitor.

-If the confirmed PFAS level is below 10ppt continue routine operations.