

## Portsmouth Water - PFAS Sampling Summary - Most Recent Samples

- Portsmouth water sources are sampled every 6 months
- The Portsmouth and Collins wells are sampled every month
- Results are reported in Parts-per-Trillion (PPT)

Chemical	Abbreviation	Long vs Short Chain (# of C)	Current Health Advisory	Bellamy Reservoir	Madbury Water Treatment	Madbury Well 2	Madbury Well 3	Madbury Well 4	Portsmouth Well	Collins Well	Greenland Well
Sampling Date			May 2016	10/31/2017	10/31/2017	10/31/2017	10/31/2017	10/31/2017	3/6/2018	3/6/2018	10/31/2017
6:2 Fluorotelomer sulfonate	6:2 FTS	Long (8)*		ND	ND	ND	ND	ND	ND	ND	ND
8:2 Fluorotelomer sulfonate	8:2 FTS	Long (10)*		ND	ND	ND	ND	ND	ND	ND	ND
N-Ethyl perfluorooctane sulfonamide	EtFOSA	Long (10)*		ND	ND	ND	ND	ND	ND	ND	ND
N-Ethyl perfluorooctane sulfonamidoethanol	EtFOSE	Long (12)*		ND	ND	ND	ND	ND	ND	ND	ND
N-Methyl Perfluorooctane Sulfonamide	MeFOSA	Long (9)*		ND	ND	ND	ND	ND	ND	ND	ND
N-Methyl Perfluorooctane Sulfonamidoethanol	MeFOSE	Long (11)*		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorobutanesulfonic acid	PFBS	Short (4)		ND	ND	ND	ND	ND	ND	18 J	ND
Perfluorobutanoic acid	PFBA	Short (4)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorodecane sulfonate	PFDS	Long (10)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorodecanoic acid	PFDA	Long (10)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorododecanoic acid	PFDoA	Long (12)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroheptane sulfonate	PFHpS	Long (7)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroheptanoic acid	PFHpA	Short (7)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorohexanesulfonic acid	PFHxS	Long (6)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorohexanoic acid	PFHxA	Short (6)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanoic acid	PFOA	Long (8)	70	ND	ND	ND	ND	ND	ND	ND	ND
Perfluorononanoic acid	PFNA	Long (9)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctane sulfonamide	PFOSA	Long (8)*		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorooctanesulfonic acid	PFOS	Long (8)	70	ND	ND	ND	ND	ND	ND	ND	5 J
Perfluoropentanoic acid	PFPeA	Short (5)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorotetradecanoic acid	PFTeDA	Long (14)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluorotridecanoic acid	PFTrDA	Long (13)		ND	ND	ND	ND	ND	ND	ND	ND
Perfluoroundecanoic acid	PFUDa	Long (11)		ND	ND	ND	ND	ND	ND	ND	ND

\*Only perfluoroalkyl carboxylates and sulfonates are included in the "formal" definition of long chain, the suggestion for other groups is to consider C > 7.

- "ND" = Non Detection

- "J" = Laboratory estimated concentration

- All sources are sampled by City of Portsmouth Water operations staff and analyzed by Maxxam lab, except Portsmouth and Collins wells, these are sampled by Wood (Air Force's consultant) and analyzed by Maxxam lab