

BURLINGTON DRINKING WATER SUPPLY PFAS SAMPLING

JD Mackintosh Water Treatment Plant

Isotope Dilution Method - All results are expressed as PPT

Sample date time	Mack Fin 4/16/2020 1045	Mack Raw 4/16/2020 1045	Mack Fin 5/15/2020 1240	Mack Raw 5/15/2020 1240	Mack Fin 6/10/2020 1350	Mack Raw 6/10/2020 1350	Mack Fin 8/10/2021 1010	Mack Raw 8/10/2021 1005	Mack Fin 7/13/2022 1118	Mack Raw 7/13/2022 1117				Mackintosh Average Finished Water	Mackintosh Average Raw Water
PFOA	2.54	2.79	2.84	2.52	0	0	0	0	3.23	3.48				1.72	1.76
PFOS	5.29	6.20	1.97	5.92	0	7.41	0.00	9.76	5.7	6.99				2.60	7.26
PFBA	0	0	0	0	0	0	0	0	0	2.07				0.00	0.41
PFPeA	0	0	0	0	0	0	0	0	1.56	1.28				0.31	0.26
PFHxA	1.16	1.09	0.00	0.00	0.00	0.00	0.00	0.00	1.78	1.64				0.59	0.55
PFHpA	0.85	0.93	0	0	0	0	0	0	1.32	1.27				0.43	0.44
PFNA	0.35	0.41	0	0	0	0	0	0	0.549	0.591				0.18	0.20
PFDA	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFPFUnA	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFDoA	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFTra	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFTA	0	0	0	0	0	0	0	0	0	0				0.00	0.00
L-PFBS	0	0	0	0	0	0	0	0	1.33	1.49				0.27	0.30
PFPeS	0	0	0	0	0	0	0	0	0.537	0.542				0.11	0.11
PFHxS	1.81	2.10	0.00	3.13	0.00	0.00	0.00	0.00	1.78	2.15				0.72	1.48
PFHpS	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFNS	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFDS	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFOSA	0	0	0	0	0	0	0	0	0	0				0.00	0.00
N-MeFOSAA	0	0	0	0	0	0	0	0	0	0				0.00	0.00
N-EtFOSAA	0	0	0	0	0	0	0	0	0	0				0.00	0.00
PFOA + PFOS	7.83	8.99	4.81	8.44	0.00	7.41	0.00	9.76	8.97	10.47				4.32	9.01
SUM ALL	12.00	13.51	4.81	11.57	0.00	7.41	0.00	9.76	17.83	21.50				6.93	12.75
Additional cmpds															
4:2 FTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00
6:2 FTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00
8:2 FTS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00
HFPO-DA (GenX)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				0.00	0.00
PFOA + PFOS removal %	12.9		43.0		100.0		100.0		14.3					52.1	
Total PFAS removal %	11.2		58.4		100.0		100.0		17.1					45.7	

Raw water = water from lake prior to treatment
 Finished water = treated water