

# 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							Mackintosh Average Finished Water	Mackintosh Average Raw Water
<b>PFOA</b>	<b>2.54</b>	<b>2.79</b>	<b>2.84</b>	<b>2.52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>							<b>1.35</b>	<b>1.33</b>
<b>PFOS</b>	<b>5.29</b>	<b>6.20</b>	<b>1.97</b>	<b>5.92</b>	<b>0</b>	<b>7.41</b>	<b>0.00</b>	<b>9.76</b>							<b>1.82</b>	<b>7.32</b>
PFBA	0	0	0	0	0	0	0	0							0.00	0.00
PFPeA	0	0	0	0	0	0	0	0							0.00	0.00
PFHxA	1.16	1.09	0.00	0.00	0.00	0.00	0.00	0.00							0.29	0.27
PFHpA	0.85	0.93	0	0	0	0	0	0							0.21	0.23
PFNA	0.35	0.41	0	0	0	0	0	0							0.09	0.10
PFDA	0	0	0	0	0	0	0	0							0.00	0.00
PFPFUnA	0	0	0	0	0	0	0	0							0.00	0.00
PFDoA	0	0	0	0	0	0	0	0							0.00	0.00
PFTra	0	0	0	0	0	0	0	0							0.00	0.00
PFTA	0	0	0	0	0	0	0	0							0.00	0.00
L-PFBS	0	0	0	0	0	0	0	0							0.00	0.00
PFPeS	0	0	0	0	0	0	0	0							0.00	0.00
PFHxS	1.81	2.10	0.00	3.13	0.00	0.00	0.00	0.00							0.45	1.31
PFHpS	0	0	0	0	0	0	0	0							0.00	0.00
PFNS	0	0	0	0	0	0	0	0							0.00	0.00
PFDS	0	0	0	0	0	0	0	0							0.00	0.00
PFOSA	0	0	0	0	0	0	0	0							0.00	0.00
N-MeFOSAA	0	0	0	0	0	0	0	0							0.00	0.00
N-EtFOSAA	0	0	0	0	0	0	0	0							0.00	0.00
<b>PFOA + PFOS</b>	<b>7.83</b>	<b>8.99</b>	<b>4.81</b>	<b>8.44</b>	<b>0.00</b>	<b>7.41</b>	<b>0.00</b>	<b>9.76</b>							<b>3.16</b>	<b>8.65</b>
<b>SUM ALL</b>	<b>12.00</b>	<b>13.51</b>	<b>4.81</b>	<b>11.57</b>	<b>0.00</b>	<b>7.41</b>	<b>0.00</b>	<b>9.76</b>							<b>4.20</b>	<b>10.56</b>
<b>Additional cmpds</b>																
4:2 FTS	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
8:2 FTS	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
PFOA + PFOS removal %	12.9		43.0		100.0		100.0								63.5	
Total PFAS removal %	11.2		58.4		100.0		100.0								60.2	

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