

BURLINGTON DRINKING WATER SUPPLY PFAS SAMPLING											Ed Thomas Water Treatment Plant											
Isotope Dilution Method - All results are expressed as PPT																						
Sample	ET Fin	ET Raw	ET Fin	ET Raw	ET Fin	ET Raw	ET Fin	ET Raw	ET Fin	ET Raw					Ed Thomas	Ed Thomas						
date	4/16/2020	4/16/2020	5/15/2020	5/15/2020	6/10/2020	6/10/2020	8/10/2021	8/10/2021	7/13/2022	7/13/2022					Average	Average						
time	1110	1115	925	930	1300	1300	1055	1050	1040	1037					Finished Water	Raw Water						
<b>PFOA</b>	<b>8.26</b>	<b>9.68</b>	<b>11.1</b>	<b>12.5</b>	<b>7.86</b>	<b>8.17</b>	<b>12.5</b>	<b>20.7</b>	<b>15.2</b>	<b>18.3</b>					<b>10.98</b>	<b>13.87</b>						
<b>PFOS</b>	<b>12.0</b>	<b>14.10</b>	<b>12.8</b>	<b>15.80</b>	<b>8.25</b>	<b>10.80</b>	<b>8.83</b>	<b>24.7</b>	<b>17.4</b>	<b>24.8</b>					<b>11.86</b>	<b>18.04</b>						
PFBA	0	0	0	0	0	0	0	0	0	0					0.00	0.00						
PFPeA	0	0	0	0	0	0	0	0	4.66	5.63					0.93	1.13						
PFHxA	3.69	3.63	5.23	5.76	0	0	0	8.34	6.16	7.05					3.02	4.96						
PFHpA	2.7	3.03	4.19	3.99	0	0	0	0	5.65	6.08					2.51	2.62						
PFNA	0.83	0.89	0	0	0	0	0	0	1.12	1.37					0.39	0.45						
PFDA	0.34	0.32	0	0	0	0	0	0	0	0.701					0.07	0.20						
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	2.27	2.3					0.45	0.46						
PFPeS	0.68	0.98	0	0	0	0	0	0	1.58	1.64					0.45	0.52						
PFHxS	2.65	2.62	5.64	5.69	0	0	0	0	4.63	5.78					2.58	2.82						
PFHpS	0.36	0.44	0	0	0	0	0	0	0.664	0.937					0.21	0.28						
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						
<b>PFOA + PFOS</b>	<b>20.26</b>	<b>23.78</b>	<b>23.90</b>	<b>28.30</b>	<b>16.11</b>	<b>18.97</b>	<b>21.33</b>	<b>45.40</b>	<b>32.60</b>	<b>43.10</b>					<b>22.84</b>	<b>31.91</b>						
<b>SUM ALL</b>	<b>31.50</b>	<b>35.70</b>	<b>38.96</b>	<b>43.74</b>	<b>16.11</b>	<b>18.97</b>	<b>21.33</b>	<b>53.74</b>	<b>59.33</b>	<b>74.59</b>					<b>33.45</b>	<b>45.35</b>						
<b>Additional cmpds</b>																						
4:2 FTS	0	0	0	0	0	0	0	0	0	0					0	0						
6:2 FTS	0	0	0	0	0	0	0	0	0	0					0	0						
8:2 FTS	0	0	0	0	0	0	0	0	0	0					0	0						
HFPO-DA (GenX)	0	0	0	0	0	0	0	0	0	0					0	0						
PFOA + PFOS removal %	14.8		15.5		15.1		53.0		24.4						28.4							
Total PFAS removal %	11.8		10.9		15.1		60.3		20.5						26.2							
	Raw water = water from lake prior to treatment																					
	Finished water = treated water																					