

**2.1.2 SUMMARY OF MAJOR CHEMICALS, MICROBIOLOGICAL, AND PHYSICAL  
PARAMETERS OF EDMONTON DRINKING WATER PRODUCED  
AT WATER TREATMENT PLANTS**

**November 2018**

<b>Parameter</b>	<b>Unit</b>	<b>Monthly Count</b>	<b>Monthly Average</b>	<b>YTD Median</b>	<b>YTD Min</b>	<b>YTD Max</b>	<b>YTD Count</b>
Alkalinity Total	mg CaCO3/L	60	121	116	66	167	668
Aluminum	mg/L	2	0.027	0.066	0.022	0.105	22
Arsenic	mg/L	2	0.0003	0.0003	<0.0002	0.0004	22
Bromate Dissolved	mg/L	18	<0.005	<0.020	<0.020	<0.020	184
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	2.0	670
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Calcium Hardness	mg CaCO3/L	60	109	110	81	140	668
Chlorate Dissolved	mg/L	18	<0.1	<0.5	<0.5	<0.5	184
Chloride Dissolved	mg/L	18	4.71	5.34	3.66	17.50	184
Chlorite Dissolved	mg/L	18	<0.01	<1.00	<1.00	<1.00	184
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	22
Colour	TCU	60	1.0	<1.0	<1.0	2.2	668
Conductivity	µS/cm	8	377	380	336	456	96
Copper	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	22
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	34
Fluoride	mg/L	60	0.68	0.69	0.64	0.75	122
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	34
Haloacetic Acids, total (HAA5)	ug/L	2	13.1	15.3	8.0	41.6	22
Hardness, Total	mg CaCO3/L	60	168	167	116	207	668
Iron	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	22
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
Manganese	mg/L	2	<0.0020	<0.0021	<0.0021	0.0320	22
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	22
NDMA	ng/L	2	<0.5	1.3	<0.5	4.4	22
Nitrate (as N) Dissolved	mg/L	18	<0.038	<0.050	<0.050	0.574	184
Nitrite (as N) Dissolved	mg/L	18	<0.01	<0.02	<0.02	<0.02	184
pH	N/A	60	7.8	7.8	7.4	8.2	668
Potassium	mg/L	2	0.63	0.70	0.60	2.55	22
Sodium	mg/L	2	10.35	7.73	3.22	32.90	22
Sulphate Dissolved	mg/L	18	63.6	62.7	52.6	119.6	184
Total Chlorine	N/A	19	1.98	2.10	1.72	2.57	574
Total Dissolved Solids	mg/L	2	212	215	198	266	22
Total Organic Carbon	mg/L C	8	1.7	1.7	<0.6	6.8	96
Trihalomethanes	mg/L	60	0.007	0.012	0.003	0.034	668
Turbidity	NTU	60	0.05	0.05	0.03	0.40	668
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	22
Zinc	mg/L	2	<0.0050	<0.0053	<0.0053	0.0060	22
<b>Bacteriological Data</b>							
Coliforms, total	N/A	60	Absent	Absent	Absent	Absent	669
E. coli	N/A	60	Absent	Absent	Absent	Absent	669