

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

**May 2019**

<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	62	113	126	70	147	302
Aluminum	mg/L	2	0.022	0.076	0.019	0.090	10
Arsenic	mg/L	2	0.0002	0.0003	0.0002	0.0003	10
Bromate Dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	88
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	2.7	306
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Calcium Hardness	mg CaCO3/L	62	110	113	78	130	302
Chlorate Dissolved	mg/L	18	0.080	0.080	0.031	0.253	88
Chloride Dissolved	mg/L	18	6.15	5.26	2.71	43.10	88
Chlorite Dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	88
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Colour	TCU	62	1.2	1.1	<0.5	2.3	302
Conductivity	µS/cm	8	428	400	358	496	44
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	16
Fluoride	mg/L	62	0.69	0.68	0.56	0.75	302
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	16
Haloacetic Acids, total (HAA5)	ug/L	2	20.6	20.7	14.3	33.2	10
Hardness, Total	mg CaCO3/L	62	167	175	115	197	302
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0120	10
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
NDMA	ng/L	2	0.91	0.77	<0.50	2.86	10
Nitrate (as N) Dissolved	mg/L	18	0.019	0.065	<0.010	0.333	88
Nitrite (as N) Dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	88
pH	N/A	62	7.8	7.9	7.6	8.3	302
Potassium	mg/L	2	1.23	0.70	0.60	6.20	10
Sodium	mg/L	2	18.21	7.40	5.60	30.00	10
Sulphate Dissolved	mg/L	18	88.9	66.8	53.2	110.0	88
Total Chlorine	N/A	12	1.98	1.96	1.70	2.13	94
Total Dissolved Solids	mg/L	2	240	227	203	256	10
Total Organic Carbon	mg/L C	8	2.5	1.9	1.2	2.9	44
Trihalomethanes	mg/L	62	0.019	0.013	0.005	0.030	302
Turbidity	NTU	62	0.05	0.05	0.03	0.09	302
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	10
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	0.0060	10
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	302
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	302