

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

**March 2020**

<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	140	139	125	157	183
Aluminum	mg/L	2	0.073	0.062	0.026	0.092	6
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Bromate Dissolved	mg/L	12	<0.00	<0.01	<0.01	0.02	46
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	0.9	185
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Calcium Hardness	mg CaCO3/L	62	119	116	95	136	183
Chlorate Dissolved	mg/L	12	0.118	<0.100	<0.100	0.200	46
Chloride Dissolved	mg/L	12	6.38	5.49	4.74	9.85	46
Chlorite Dissolved	mg/L	12	<0.20	<0.20	<0.20	<0.20	46
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Colour	TCU	62	1.4	1.4	<0.5	2.7	183
Conductivity	µS/cm	11	402	395	366	429	27
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Fluoride	mg/L	62	0.32	0.64	0.07	0.72	181
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Haloacetic Acids, total (HAA5)	ug/L	2	24.4	17.8	7.3	24.5	6
Hardness, Total	mg CaCO3/L	62	187	183	169	203	183
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	6
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
NDMA	ng/L	2	1.62	0.71	<0.50	1.66	6
Nitrate (as N) Dissolved	mg/L	12	0.105	0.100	0.060	0.110	46
Nitrite (as N) Dissolved	mg/L	12	<0.01	<0.01	<0.01	<0.01	46
pH	N/A	62	8.0	8.0	7.3	8.1	183
Potassium	mg/L	2	0.70	0.65	0.60	0.70	6
Sodium	mg/L	2	8.78	9.00	7.40	12.00	6
Sulphate Dissolved	mg/L	12	55.0	54.3	49.0	77.0	46
Total Chlorine	N/A	8	2.04	2.02	1.89	2.18	27
Total Dissolved Solids	mg/L	2	232	227	207	243	6
Total Organic Carbon	mg/L C	10	1.8	1.9	1.3	2.4	26
Trihalomethanes	mg/L	62	0.016	0.015	0.005	0.021	183
Turbidity	NTU	62	0.05	0.05	0.02	0.09	183
Uranium	mg/L	2	0.0005	<0.0005	<0.0005	0.0006	6
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	183
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	183