

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

**August 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	123	125	71	157	489
Aluminum	mg/L	2	0.038	0.035	0.016	0.094	16
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Bromate Dissolved	mg/L	8	<0.003	<0.005	<0.005	0.018	86
Bromodichloromethane	µg/L	64	0.5	<0.5	<0.5	1.9	495
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Calcium Hardness	mg CaCO3/L	62	105	110	73	148	489
Chlorate Dissolved	mg/L	8	0.118	<0.100	<0.100	0.200	86
Chloride Dissolved	mg/L	8	6.19	6.03	1.03	18.30	86
Chlorite Dissolved	mg/L	8	<0.20	<0.20	<0.20	<0.20	86
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Colour	TCU	62	1.0	1.3	<0.5	2.7	489
Conductivity	µS/cm	8	382	408	364	499	69
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	16
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	18
Fluoride	mg/L	62	0.31	0.62	<0.05	0.73	487
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	18
Haloacetic Acids, total (HAA5)	ug/L	2	26.1	25.5	7.3	39.2	16
Hardness, Total	mg CaCO3/L	62	167	170	111	203	489
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	16
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0200	16
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
NDMA	ng/L	2	1.72	1.71	<0.50	3.94	16
Nitrate (as N) Dissolved	mg/L	8	0.020	0.090	0.010	0.730	86
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	86
pH	N/A	62	7.8	7.9	7.3	8.2	489
Potassium	mg/L	2	1.14	0.90	0.60	1.90	16
Sodium	mg/L	2	18.22	14.30	7.40	38.30	16
Sulphate Dissolved	mg/L	8	58.3	57.8	36.8	132.0	86
Total Chlorine	N/A	8	1.95	2.00	1.69	2.18	107
Total Dissolved Solids	mg/L	2	253	245	207	312	16
Total Organic Carbon	mg/L C	8	1.8	2.1	1.0	7.2	68
Trihalomethanes	mg/L	62	0.024	0.018	0.004	0.037	489
Turbidity	NTU	62	0.05	0.05	0.02	0.22	489
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	16
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	0.0060	16
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	489
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	489