

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

September 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	130	126	71	157	549
Aluminum	mg/L	2	0.119	0.039	0.016	0.122	18
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Bromate Dissolved	mg/L	10	<0.003	<0.005	<0.005	0.018	96
Bromodichloromethane	µg/L	60	<0.5	<0.5	<0.5	1.9	555
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Calcium Hardness	mg CaCO3/L	60	111	111	73	148	549
Chlorate Dissolved	mg/L	10	0.130	<0.100	<0.100	0.200	96
Chloride Dissolved	mg/L	10	5.62	5.85	1.03	18.30	96
Chlorite Dissolved	mg/L	10	<0.20	<0.20	<0.20	<0.20	96
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Colour	TCU	60	0.8	1.2	<0.5	2.7	549
Conductivity	µS/cm	10	373	405	359	499	79
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	18
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	20
Fluoride	mg/L	60	0.33	0.62	<0.05	0.73	547
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	20
Haloacetic Acids, total (HAA5)	ug/L	2	25.0	25.2	7.3	39.2	18
Hardness, Total	mg CaCO3/L	60	177	172	111	203	549
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	18
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0200	18
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
NDMA	ng/L	2	1.01	1.63	<0.50	3.94	18
Nitrate (as N) Dissolved	mg/L	10	0.022	0.090	0.010	0.730	96
Nitrite (as N) Dissolved	mg/L	10	<0.01	<0.01	<0.01	0.02	96
pH	N/A	60	7.9	7.9	7.3	8.3	549
Potassium	mg/L	2	0.90	0.90	0.60	1.90	18
Sodium	mg/L	2	8.27	11.10	7.40	38.30	18
Sulphate Dissolved	mg/L	10	52.2	56.9	36.8	132.0	96
Total Chlorine	N/A	8	2.21	2.01	1.69	2.43	115
Total Dissolved Solids	mg/L	2	175	243	161	312	18
Total Organic Carbon	mg/L C	10	1.5	2.0	1.0	7.2	78
Trihalomethanes	mg/L	60	0.019	0.018	0.004	0.037	549
Turbidity	NTU	60	0.05	0.05	0.02	0.22	549
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	18
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	0.0060	18
<b>Bacteriological Data</b>							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	549
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	549