

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

May 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	107	136	71	157	305
Aluminum	mg/L	2	0.022	0.062	0.019	0.094	10
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Bromate Dissolved	mg/L	6	<0.003	<0.005	<0.005	0.018	60
Bromodichloromethane	µg/L	62	0.5	<0.5	<0.5	1.9	309
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Calcium Hardness	mg CaCO3/L	62	103	113	73	140	305
Chlorate Dissolved	mg/L	6	0.123	<0.100	<0.100	0.200	60
Chloride Dissolved	mg/L	6	7.92	5.65	4.74	18.30	60
Chlorite Dissolved	mg/L	6	<0.20	<0.20	<0.20	<0.20	60
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Colour	TCU	62	1.4	1.4	<0.5	2.7	305
Conductivity	µS/cm	8	441	403	366	484	43
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	12
Fluoride	mg/L	62	0.27	0.63	<0.05	0.72	303
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Haloacetic Acids, total (HAA5)	ug/L	2	27.3	24.4	7.3	32.5	10
Hardness, Total	mg CaCO3/L	62	155	180	111	203	305
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	0.0046	<0.0020	<0.0020	0.0060	10
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
NDMA	ng/L	2	2.01	1.43	<0.50	2.04	10
Nitrate (as N) Dissolved	mg/L	6	0.057	0.100	0.020	0.730	60
Nitrite (as N) Dissolved	mg/L	6	<0.01	<0.01	<0.01	0.02	60
pH	N/A	62	7.9	8.0	7.3	8.2	305
Potassium	mg/L	2	1.64	0.65	0.60	1.90	10
Sodium	mg/L	2	28.02	9.60	7.40	29.10	10
Sulphate Dissolved	mg/L	6	103.0	55.7	49.0	132.0	60
Total Chlorine	N/A	18	2.00	2.00	1.73	2.18	81
Total Dissolved Solids	mg/L	2	249	234	207	250	10
Total Organic Carbon	mg/L C	8	2.8	2.0	1.0	3.7	42
Trihalomethanes	mg/L	62	0.019	0.016	0.004	0.030	305
Turbidity	NTU	62	0.05	0.05	0.02	0.17	305
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	10
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	10
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	305
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	305