

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

April 2020

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	116	138	71	157	243
Aluminum	mg/L	2	0.087	0.072	0.026	0.094	8
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Bromate Dissolved	mg/L	8	<0.00	<0.01	<0.01	0.02	54
Bromodichloromethane	µg/L	62	0.5	<0.5	<0.5	1.3	247
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Calcium Hardness	mg CaCO3/L	60	106	116	74	136	243
Chlorate Dissolved	mg/L	8	0.128	<0.100	<0.100	0.200	54
Chloride Dissolved	mg/L	8	9.81	5.53	4.74	18.30	54
Chlorite Dissolved	mg/L	8	<0.20	<0.20	<0.20	<0.20	54
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	1.1	1.4	<0.5	2.7	243
Conductivity	µS/cm	8	422	401	366	455	35
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	10
Fluoride	mg/L	60	0.30	0.63	<0.05	0.72	241
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	10
Haloacetic Acids, total (HAA5)	ug/L	2	28.5	21.3	7.3	29.7	8
Hardness, Total	mg CaCO3/L	60	161	182	111	203	243
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	<0.0020	8
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
NDMA	ng/L	2	1.44	1.00	<0.50	1.75	8
Nitrate (as N) Dissolved	mg/L	8	0.235	0.100	0.060	0.730	54
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	0.02	54
pH	N/A	60	7.9	8.0	7.3	8.2	243
Potassium	mg/L	2	0.60	0.60	0.60	0.70	8
Sodium	mg/L	2	8.91	9.05	7.40	12.00	8
Sulphate Dissolved	mg/L	8	82.1	54.9	49.0	107.0	54
Total Chlorine	N/A	36	2.00	2.00	1.73	2.18	63
Total Dissolved Solids	mg/L	2	238	231	207	243	8
Total Organic Carbon	mg/L C	8	1.9	1.9	1.0	2.8	34
Trihalomethanes	mg/L	60	0.011	0.015	0.004	0.021	243
Turbidity	NTU	60	0.05	0.05	0.02	0.11	243
Uranium	mg/L	2	0.0006	<0.0005	<0.0005	0.0006	8
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	243
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	243