

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

March 2019

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	121	133	71	147	180
Aluminum	mg/L	2	0.083	0.088	0.067	0.090	6
Arsenic	mg/L	2	0.0003	0.0003	0.0003	0.0003	6
Bromate Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	52
Bromodichloromethane	µg/L	62	0.6	<0.5	<0.5	2.7	182
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Calcium Hardness	mg CaCO3/L	62	113	117	78	130	180
Chlorate Dissolved	mg/L	16	0.1	0.1	0.0	0.3	52
Chloride Dissolved	mg/L	16	10.29	4.63	2.71	43.10	52
Chlorite Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	52
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Colour	TCU	62	1.1	1.1	<0.5	2.1	180
Conductivity	µS/cm	8	418	400	358	496	26
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	6
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	12
Fluoride	mg/L	62	0.68	0.67	0.56	0.75	180
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	12
Haloacetic Acids, total (HAA5)	ug/L	2	23.2	18.7	14.3	23.3	6
Hardness, Total	mg CaCO3/L	62	173	182	115	197	180
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	0.55	0.54	<0.50	1.30	6
Nitrate (as N) Dissolved	mg/L	16	0.129	0.070	0.055	0.247	52
Nitrite (as N) Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	52
pH	N/A	62	7.8	7.9	7.6	8.3	180
Potassium	mg/L	2	0.70	0.70	0.60	0.70	6
Sodium	mg/L	2	6.92	6.75	5.60	7.60	6
Sulphate Dissolved	mg/L	16	68.9	60.6	53.2	95.9	52
Total Chlorine	N/A	30	1.94	1.96	1.70	2.11	54
Total Dissolved Solids	mg/L	2	238	210	203	239	6
Total Organic Carbon	mg/L C	8	1.8	1.9	1.2	2.4	26
Trihalomethanes	mg/L	62	0.011	0.013	0.005	0.026	180
Turbidity	NTU	62	0.05	0.05	0.03	0.09	180
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
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	180
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	180