

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

January 2019

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	132	131	123	143	62
Aluminum	mg/L	2	0.089	0.088	0.086	0.090	2
Arsenic	mg/L	2	0.0003	0.0003	0.0003	0.0003	2
Bromate Dissolved	mg/L	20	<0.005	<0.005	<0.005	<0.005	20
Bromodichloromethane	µg/L	64	0.5	<0.5	<0.5	1.8	64
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Calcium Hardness	mg CaCO3/L	62	114	115	93	126	62
Chlorate Dissolved	mg/L	20	0.043	0.037	0.031	0.092	20
Chloride Dissolved	mg/L	20	3.95	3.41	2.71	16.30	20
Chlorite Dissolved	mg/L	20	<0.01	<0.01	<0.01	<0.01	20
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	1.0	0.9	0.5	1.6	62
Conductivity	µS/cm	10	381	383	358	409	10
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	2
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	4
Fluoride	mg/L	62	0.68	0.67	0.64	0.75	62
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	4
Haloacetic Acids, total (HAA5)	ug/L	2	15.0	15.6	14.3	16.9	2
Hardness, Total	mg CaCO3/L	62	178	179	168	192	62
Iron	mg/L	2	<0.005	<0.005	<0.005	<0.005	2
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	2
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
NDMA	ng/L	2	1.1	1.0	0.7	1.3	2
Nitrate (as N) Dissolved	mg/L	20	0.062	0.064	0.055	0.072	20
Nitrite (as N) Dissolved	mg/L	20	<0.005	<0.005	<0.005	<0.005	20
pH	N/A	62	8.0	8.0	7.8	8.2	62
Potassium	mg/L	2	0.7	0.7	0.7	0.7	2
Sodium	mg/L	2	5.8	6.0	5.6	6.4	2
Sulphate Dissolved	mg/L	20	59.4	58.5	53.2	72.3	20
Total Chlorine	N/A	16	1.8921	1.9200	1.7600	2.0200	16
Total Dissolved Solids	mg/L	2	204	206	203	208	2
Total Organic Carbon	mg/L C	10	1.6	1.6	1.3	2.0	10
Trihalomethanes	mg/L	62	0.011	0.012	0.005	0.024	62
Turbidity	NTU	62	0.05	0.05	0.03	0.08	62
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	2
Zinc	mg/L	2	<0.005	<0.005	<0.005	<0.005	2
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	62
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	62