

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

April 2019

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	102	130	70	147	240
Aluminum	mg/L	2	0.045	0.085	0.043	0.090	8
Arsenic	mg/L	2	0.0003	0.0003	0.0003	0.0003	8
Bromate Dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	70
Bromodichloromethane	µg/L	62	0.5	<0.5	<0.5	2.7	244
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Calcium Hardness	mg CaCO3/L	60	98	114	78	130	240
Chlorate Dissolved	mg/L	18	0.1	0.1	0.0	0.3	70
Chloride Dissolved	mg/L	18	6.78	4.95	2.71	43.10	70
Chlorite Dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	70
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	1.0	1.1	<0.5	2.1	240
Conductivity	µS/cm	10	394	398	358	496	36
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	8
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	14
Fluoride	mg/L	60	0.70	0.68	0.56	0.75	240
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	14
Haloacetic Acids, total (HAA5)	ug/L	2	25.5	20.7	14.3	33.2	8
Hardness, Total	mg CaCO3/L	60	147	178	115	197	240
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	0.0120	<0.0020	<0.0020	0.0120	8
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
NDMA	ng/L	2	2.11	0.64	<0.50	2.86	8
Nitrate (as N) Dissolved	mg/L	18	0.091	0.070	<0.010	0.333	70
Nitrite (as N) Dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	70
pH	N/A	60	7.9	7.9	7.6	8.3	240
Potassium	mg/L	2	5.51	0.70	0.60	6.20	8
Sodium	mg/L	2	29.86	7.00	5.60	30.00	8
Sulphate Dissolved	mg/L	18	81.9	61.6	53.2	96.2	70
Total Chlorine	N/A	28	1.94	1.96	1.70	2.13	82
Total Dissolved Solids	mg/L	2	249	224	203	256	8
Total Organic Carbon	mg/L C	10	1.8	1.8	1.2	2.4	36
Trihalomethanes	mg/L	60	0.010	0.012	0.005	0.026	240
Turbidity	NTU	60	0.05	0.05	0.03	0.09	240
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	8
Zinc	mg/L	2	0.0053	<0.0050	<0.0050	0.0060	8
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	240
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	240