

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

December 2018

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	126	118	66	167	730
Aluminum	mg/L	2	0.027	0.065	0.022	0.105	24
Arsenic	mg/L	2	0.0003	0.0003	<0.0002	0.0004	24
Bromate Dissolved	mg/L	16	<0.005	<0.020	<0.020	<0.020	200
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	2.0	732
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Calcium Hardness	mg CaCO3/L	62	117	111	81	140	730
Chlorate Dissolved	mg/L	16	<0.1	<0.5	<0.5	<0.5	200
Chloride Dissolved	mg/L	16	4.28	5.24	2.95	17.50	200
Chlorite Dissolved	mg/L	16	<0.01	<1.00	<1.00	<1.00	200
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	24
Colour	TCU	62	<0.9	<1.0	<1.0	2.2	730
Conductivity	µS/cm	8	392	380	336	456	104
Copper	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	24
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	36
Fluoride	mg/L	62	0.67	0.68	0.62	0.75	184
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	36
Haloacetic Acids, total (HAA5)	ug/L	2	10.2	14.4	8.0	41.6	24
Hardness, Total	mg CaCO3/L	62	181	168	116	229	730
Iron	mg/L	2	<0.0050	<0.0053	<0.0053	<0.0053	24
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Manganese	mg/L	2	<0.0020	<0.0021	<0.0021	0.0320	24
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
NDMA	ng/L	2	3.5	1.3	<0.5	12.6	24
Nitrate (as N) Dissolved	mg/L	16	0.059	0.054	<0.050	0.574	200
Nitrite (as N) Dissolved	mg/L	16	<0.01	<0.02	<0.02	<0.02	200
pH	N/A	62	7.8	7.8	7.4	8.2	730
Potassium	mg/L	2	0.60	0.70	0.60	2.55	24
Sodium	mg/L	2	10.26	8.05	3.22	32.90	24
Sulphate Dissolved	mg/L	16	67.1	63.4	52.6	119.6	200
Total Chlorine	N/A	16	1.98	2.09	1.72	2.57	590
Total Dissolved Solids	mg/L	2	215	215	198	266	24
Total Organic Carbon	mg/L C	10	1.5	1.7	<0.6	6.8	106
Trihalomethanes	mg/L	62	0.007	0.011	0.003	0.034	730
Turbidity	NTU	62	0.05	0.05	0.03	0.40	730
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	24
Zinc	mg/L	2	<0.0050	<0.0053	<0.0053	0.0060	24
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	731
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	731