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

February 2019

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	56	139	134	123	147	118
Aluminum	mg/L	2	0.088	0.088	0.084	0.090	4
Arsenic	mg/L	2	0.0003	0.0003	0.0003	0.0003	4
Bromate Dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	36
Bromodichloromethane	µg/L	56	<0.5	<0.5	<0.5	1.8	120
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Calcium Hardness	mg CaCO3/L	56	115	116	86	130	118
Chlorate Dissolved	mg/L	16	0.097	0.069	0.031	0.142	36
Chloride Dissolved	mg/L	16	4.64	4.39	2.71	16.30	36
Chlorite Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	36
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Colour	TCU	56	1.6	1.2	<0.5	2.1	118
Conductivity	µS/cm	8	397	392	358	411	18
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	4
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	8
Fluoride	mg/L	56	0.66	0.67	0.56	0.75	118
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	<0.1	8
Haloacetic Acids, total (HAA5)	ug/L	2	18.4	17.5	14.3	19.4	4
Hardness, Total	mg CaCO3/L	56	188	181	168	197	118
Iron	mg/L	2	<0.005	<0.005	<0.005	<0.005	4
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	4
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
NDMA	ng/L	2	<0.5	0.6	<0.5	1.3	4
Nitrate (as N) Dissolved	mg/L	16	0.074	0.066	0.055	0.080	36
Nitrite (as N) Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	36
pH	N/A	56	7.9	8.0	7.8	8.3	118
Potassium	mg/L	2	0.7	0.7	0.6	0.7	4
Sodium	mg/L	2	6.9	6.6	5.6	7.6	4
Sulphate Dissolved	mg/L	16	59.3	58.9	53.2	72.3	36
Total Chlorine	N/A	8	1.9771	1.9600	1.7600	2.0200	24
Total Dissolved Solids	mg/L	2	207	207	203	211	4
Total Organic Carbon	mg/L C	8	1.9	1.8	1.3	2.2	18
Trihalomethanes	mg/L	56	0.015	0.014	0.005	0.026	118
Turbidity	NTU	56	0.06	0.05	0.03	0.09	118
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	4
Zinc	mg/L	2	<0.005	<0.005	<0.005	<0.005	4
Bacteriological Data							
Coliforms, total	PA/100mL	56	Absent	Absent	Absent	Absent	118
E. coli	PA/100mL	56	Absent	Absent	Absent	Absent	118