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

June 2019

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	60	112	119	70	147	362
Aluminum	mg/L	2	0.035	0.059	0.019	0.090	12
Arsenic	mg/L	2	0.0002	0.0003	<0.0002	0.0003	12
Bromate Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	104
Bromodichloromethane	µg/L	60	0.5	<0.5	<0.5	2.7	366
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Calcium Hardness	mg CaCO3/L	60	111	113	78	130	362
Chlorate Dissolved	mg/L	16	0.078	0.080	0.031	0.253	104
Chloride Dissolved	mg/L	16	5.84	5.48	2.71	43.10	104
Chlorite Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	104
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Colour	TCU	60	1.1	1.1	<0.5	2.3	362
Conductivity	µS/cm	8	423	400	358	496	52
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	18
Fluoride	mg/L	60	0.66	0.68	0.56	0.75	362
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	18
Haloacetic Acids, total (HAA5)	ug/L	2	21.5	21.1	14.3	33.2	12
Hardness, Total	mg CaCO3/L	60	168	174	115	197	362
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	12
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0120	12
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
NDMA	ng/L	2	1.10	0.90	<0.50	2.86	12
Nitrate (as N) Dissolved	mg/L	16	0.048	0.062	<0.010	0.333	104
Nitrite (as N) Dissolved	mg/L	16	<0.01	<0.01	<0.01	<0.01	104
pH	N/A	60	7.8	7.9	7.6	8.3	362
Potassium	mg/L	2	0.86	0.75	0.60	6.20	12
Sodium	mg/L	2	14.72	9.60	5.60	30.00	12
Sulphate Dissolved	mg/L	16	86.4	71.8	53.2	122.0	104
Total Chlorine	N/A	8	1.90	1.96	1.70	2.13	102
Total Dissolved Solids	mg/L	2	252	238	203	256	12
Total Organic Carbon	mg/L C	8	2.4	2.0	1.2	3.1	52
Trihalomethanes	mg/L	60	0.022	0.015	0.005	0.032	362
Turbidity	NTU	60	0.05	0.05	0.03	0.09	362
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	12
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	0.0060	12
Bacteriological Data							
Coliforms, total	PA/100mL	60	Absent	Absent	Absent	Absent	362
E. coli	PA/100mL	60	Absent	Absent	Absent	Absent	362