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

October 2022

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity Total	mg CaCO3/L	62	117	119	90	142	609
Aluminum	mg/L	2	0.088	0.077	0.018	0.172	21
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	21
Bromate Dissolved	mg/L	8	<0.005	<0.005	<0.005	<0.005	89
Bromodichloromethane	µg/L	62	<0.5	<0.5	<0.5	<0.5	605
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	21
Calcium Hardness	mg/L CaCO3	62	105	110	93	198	609
Chlorate Dissolved	mg/L	8	0.112	0.130	<0.100	0.264	89
Chloride Dissolved	mg/L	8	4.81	5.89	4.34	12.20	89
Chlorite Dissolved	mg/L	8	<0.01	<0.20	<0.20	<0.20	89
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	21
Colour	TCU	62	0.7	0.7	<0.5	2.1	609
Conductivity	µS/cm	8	342	377	320	527	87
Copper	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	21
Cryptosporidium	oocysts/100L	3	<0.1	<0.1	<0.1	9.6	23
Fluoride	mg/L	62	0.68	0.68	0.59	0.77	609
Giardia	cysts/100L	3	<0.1	<0.1	<0.1	9.6	23
Haloacetic Acids, total (HAA5)	ug/L	0		20.8	12.2	37.8	19
Hardness, Total	mg/L CaCO3	62	159	169	142	246	609
Iron	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	21
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	21
Manganese	mg/L	2	<0.0020	<0.0020	<0.0020	0.0070	21
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	21
Nitrate (as N) Dissolved	mg/L	8	<0.010	0.030	<0.010	0.263	89
Nitrite (as N) Dissolved	mg/L	8	<0.01	<0.01	<0.01	<0.01	89
pH	N/A	62	7.7	7.8	7.4	8.2	609
Potassium	mg/L	2	0.60	0.80	0.40	2.20	21
Sodium	mg/L	2	6.42	8.50	6.10	36.20	21
Sulphate Dissolved	mg/L	8	54.5	61.3	51.6	142.0	89
Total Chlorine	mg/L	62	2.04	2.07	1.18	2.32	609
Total Dissolved Solids	mg/L	2	188	221	186	279	21
Total Organic Carbon	mg/L C	8	2.2	1.3	<0.6	9.9	87
Trihalomethanes	mg/L	62	0.011	0.012	0.003	0.042	605
Turbidity	NTU	62	0.06	0.05	<0.04	0.16	609
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	21
Zinc	mg/L	2	<0.0050	<0.0050	<0.0050	<0.0050	21
Bacteriological Data							
Coliforms, total	PA/100mL	62	Absent	Absent	Absent	Absent	609
E. coli	PA/100mL	62	Absent	Absent	Absent	Absent	609