Water Quality 2017

2.1.2 SUMMARY OF MAJOR CHEMICALS, MICROBIOLOGICAL, AND PHYSICAL PARAMETERS OF EDMONTON DRINKING WATER

August 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	117	119	87	150	486
Aluminum	mg/L	2	0.149	0.043	0.020	0.181	16
Arsenic	mg/L	2	0.0002	<0.0002	<0.0002	0.0003	16
Bromate, dissolved	mg/L	20	<0.005	<0.005	<0.005	<0.005	138
Bromodichloromethane	ug/L	62	0.5	<0.5	<0.5	2.3	486
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Chlorate, dissolved	mg/L	20	0.12	0.11	0.02	0.34	138
Chloride, dissolved	mg/L	20	5.93	6.16	4.46	19.40	138
Chlorine, total	mg/L	62	2.06	2.07	1.82	2.33	488
Chlorite, dissolved	mg/L	20	<0.005	<0.005	<0.005	0.030	138
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0007	16
Colour	TCU	62	<1	<1	<1	3	486
Conductivity	uS/cm	10	364	417	349	560	70
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	16
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	20
Fluoride, dissolved	mg/L	62	0.68	0.69	0.61	0.78	486
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	20
Haloacetic Acids, total (HAA5)	ug/L	2	23.3	24.7	13.8	32.8	16
Hardness, Calcium	mg CaCO3/L	62	106	111	85	142	486
Hardness, total	mg CaCO3/L	62	163	167	127	206	486
Iron	mg/L	2	<0.005	<0.005	<0.005	0.006	16
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.018	16
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	16
NDMA	ng/L	2	<1.9	<7.2	<7.2	14.0	16
Nitrate (as N), dissolved	mg/L	20	0.01	0.07	<0.01	0.30	138
Nitrite (as N), dissolved	mg/L	20	<0.01	<0.01	<0.01	0.02	138
pH	N/A	62	7.9	7.9	7.4	8.3	486
Potassium	mg/L	2	0.70	0.90	0.70	2.93	16
Sodium	mg/L	2	8.8	11.5	7.3	28.0	16
Sulphate, dissolved	mg/L	20	60	74	56	153	138
Total Dissolved Solids	mg/L	2	214	249	208	281	16
Total Organic Carbon	mg/L C	10	1.7	2.2	1.2	3.4	68
Trihalomethanes	mg/L	62	0.022	0.019	0.005	0.044	486
Turbidity	NTU	62	0.07	0.07	0.04	0.16	486
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	16
Zinc	mg/L	2	<0.005	<0.005	<0.005	0.007	16

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	486
E. coli	PA/100 mL	62	Absent	Absent	Absent	486