Water Quality 2015

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

October 2015

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	113	114	90	139	608
Aluminum	mg/L	2	0.062	0.079	0.024	0.256	20
Arsenic	mg/L	2	0.0003	0.0003	<0.0002	0.0005	20
Bromate, dissolved	mg/L	19	<0.005	<0.005	<0.005	<0.005	117
Bromodichloromethane	ug/L	62	<0.5	<1.0	<1.0	1.6	608
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	20
Chlorate, dissolved	mg/L	19	0.14	0.10	<0.10	0.21	117
Chloride, dissolved	mg/L	19	4.51	4.90	2.81	11.40	117
Chlorine, total	mg/L	62	2.02	2.00	1.84	2.22	608
Chlorite, dissolved	mg/L	19	<0.005	<0.200	<0.200	<0.200	117
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	20
Colour	TCU	62	<1	<1	<1	2	608
Conductivity	uS/cm	8	358	367	333	405	100
Copper	mg/L	2	<0.002	<0.002	<0.002	0.002	20
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	0.1	21
Fluoride, dissolved	mg/L	62	0.66	0.69	0.59	0.78	608
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	21
Haloacetic Acids, total (HAA5)	ug/L	2	19.2	18.3	11.3	33.3	22
Hardness, Calcium	mg CaCO3/L	62	115	114	95	136	608
Hardness, total	mg CaCO3/L	62	169	167	145	190	608
Iron	mg/L	2	<0.002	<0.002	<0.002	0.008	20
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	20
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.003	20
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0002	20
NDMA	ng/L	2	2.3	1.4	<0.9	2.8	20
Nitrate (as N), dissolved	mg/L	19	0.01	0.02	<0.01	0.21	117
Nitrite (as N), dissolved	mg/L	19	<0.01	<0.01	<0.01	<0.01	117
pH	N/A	62	7.7	7.8	7.0	8.2	608
Potassium	mg/L	2	0.61	0.67	0.59	1.52	20
Sodium	mg/L	2	6.8	7.6	3.2	20.1	20
Sulphate, dissolved	mg/L	19	63.1	64.8	43.4	83.2	117
Total Dissolved Solids	mg/L	2	204	217	193	246	20
Total Organic Carbon	mg/L C	8	1.7	1.3	0.5	2.8	100
Trihalomethanes	mg/L	62	0.010	0.011	0.002	0.048	608
Turbidity	NTU	62	0.07	0.07	0.05	0.13	608
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	20
Zinc	mg/L	2	0.002	<0.002	<0.002	0.005	20

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	608
E. coli	PA/100 mL	62	Absent	Absent	Absent	608