



Water Quality 2016

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

October 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	121	116	84	136	610
Aluminum	mg/L	2	0.024	0.055	0.019	0.108	20
Arsenic	mg/L	2	0.0002	<0.0002	<0.0002	0.0004	20
Bromate, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	166
Bromodichloromethane	ug/L	62	0.6	0.7	<0.5	2.2	609
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	20
Chlorate, dissolved	mg/L	14	0.15	0.14	0.05	0.48	166
Chloride, dissolved	mg/L	14	6.84	5.76	3.94	11.20	166
Chlorine, total	mg/L	62	2.14	2.00	1.54	2.35	611
Chlorite, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	166
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	20
Colour	TCU	62	1	<1	<1	2	610
Conductivity	uS/cm	8	439	390	333	544	89
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	0.68	0.68	0.58	0.80	610
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	21
Haloacetic Acids, total (HAA5)	ug/L	2	30.0	18.9	11.1	38.0	20
Hardness, Calcium	mg CaCO3/L	62	118	118	99	199	610
Hardness, total	mg CaCO3/L	62	178	176	148	258	610
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	20
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	20
Manganese	mg/L	2	0.003	<0.002	<0.002	0.005	20
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0001	20
NDMA	ng/L	2	0.8	1.6	1.6	5.2	20
Nitrate (as N), dissolved	mg/L	14	0.02	0.03	<0.01	0.21	166
Nitrite (as N), dissolved	mg/L	14	<0.01	<0.01	<0.01	<0.01	166
pH	N/A	62	7.7	7.8	7.0	8.2	610
Potassium	mg/L	2	1.49	0.73	0.54	1.62	20
Sodium	mg/L	2	24.0	9.8	5.7	32.8	20
Sulphate, dissolved	mg/L	14	88	77	39	157	166
Total Dissolved Solids	mg/L	2	279	237	205	321	20
Total Organic Carbon	mg/L C	8	2.6	1.8	0.6	3.6	86
Trihalomethanes	mg/L	62	0.013	0.013	0.003	0.031	609
Turbidity	NTU	62	0.07	0.07	0.05	0.14	610
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	612
E. coli	PA/100 mL	62	Absent	Absent	Absent	612