



Water Quality 2016

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

August 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	62	113	116	84	133	488
Aluminum	mg/L	2	0.043	0.070	0.019	0.108	16
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	16
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	134
Bromodichloromethane	ug/L	62	0.9	0.7	<0.5	2.2	487
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	16
Chlorate, dissolved	mg/L	18	0.19	0.13	0.05	0.48	134
Chloride, dissolved	mg/L	18	6.48	5.44	3.94	11.20	134
Chlorine, total	mg/L	62	1.93	2.00	1.54	2.30	488
Chlorite, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	134
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	16
Colour	TCU	62	<1	<1	<1	2	488
Conductivity	uS/cm	10	434	381	333	533	71
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	16
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	0.1	17
Fluoride, dissolved	mg/L	62	0.69	0.68	0.58	0.80	488
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	17
Haloacetic Acids, total (HAA5)	ug/L	2	26.1	14.4	11.1	32.5	16
Hardness, Calcium	mg CaCO3/L	62	124	118	106	199	488
Hardness, total	mg CaCO3/L	62	182	175	148	258	488
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	16
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	16
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	16
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0001	16
NDMA	ng/L	2	2.0	<1.6	<1.6	5.2	16
Nitrate (as N), dissolved	mg/L	18	0.02	0.04	<0.01	0.21	134
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	134
pH	N/A	62	7.7	7.8	7.1	8.1	488
Potassium	mg/L	2	0.73	0.67	0.54	0.78	16
Sodium	mg/L	2	13.4	8.5	5.7	18.4	16
Sulphate, dissolved	mg/L	18	94	71	39	157	134
Total Dissolved Solids	mg/L	2	260	224	205	275	16
Total Organic Carbon	mg/L C	10	2.7	1.5	0.6	3.6	70
Trihalomethanes	mg/L	62	0.024	0.010	0.003	0.031	487
Turbidity	NTU	62	0.08	0.07	0.05	0.14	488
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	16
Zinc	mg/L	2	<0.002	<0.002	<0.002	0.005	16

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	490
E. coli	PA/100 mL	62	Absent	Absent	Absent	490