



Water Quality 2017

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

January 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	62	138	138	131	146	62
Aluminum	mg/L	2	0.052	0.056	0.041	0.070	2
Arsenic	mg/L	2	0.0002	0.0002	0.0002	0.0002	2
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	18
Bromodichloromethane	ug/L	62	0.5	<0.5	<0.5	0.7	62
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	2
Chlorate, dissolved	mg/L	18	0.13	0.13	0.07	0.19	18
Chloride, dissolved	mg/L	18	5.35	5.08	4.46	7.13	18
Chlorine, total	mg/L	62	2.13	2.13	1.93	2.29	62
Chlorite, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	18
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	1	<1	<1	2	62
Conductivity	uS/cm	10	410	411	386	431	10
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	2
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	4
Fluoride, dissolved	mg/L	62	0.69	0.69	0.65	0.78	62
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	0.1	4
Haloacetic Acids, total (HAA5)	ug/L	2	26.8	26.7	26.1	27.2	2
Hardness, Calcium	mg CaCO ₃ /L	62	123	124	105	134	62
Hardness, total	mg CaCO ₃ /L	62	189	190	175	199	62
Iron	mg/L	2	<0.002	<0.002	<0.002	<0.002	2
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	2
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	2
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	2
NDMA	ng/L	2	<4.1	<7.2	<7.2	<7.2	2
Nitrate (as N), dissolved	mg/L	18	0.10	0.10	0.08	0.11	18
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	18
pH	N/A	62	7.9	7.9	7.4	8.1	62
Potassium	mg/L	2	0.72	0.72	0.71	0.72	2
Sodium	mg/L	2	9.1	8.8	7.3	10.3	2
Sulphate, dissolved	mg/L	18	62.0	61.5	56.3	72.7	18
Total Dissolved Solids	mg/L	2	254	254	252	255	2
Total Organic Carbon	mg/L C	10	2.1	2.0	1.6	2.6	10
Trihalomethanes	mg/L	62	0.012	0.013	0.005	0.017	62
Turbidity	NTU	62	0.08	0.08	0.05	0.16	62
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	2
Zinc	mg/L	2	<0.002	<0.002	<0.002	<0.002	2

Bacteriological Data

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