



Water Quality 2018

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

January 2018

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	62	135	131	125	167	62
Aluminum	mg/L	2	0.082	0.080	0.072	0.087	2
Arsenic	mg/L	2	0.0003	0.0003	0.0002	0.0003	2
Bromate, dissolved	mg/L	18	<0.003	<0.005	<0.005	<0.005	18
Bromodichloromethane	ug/L	62	<0.5	<0.5	<0.5	<0.5	62
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Chlorate, dissolved	mg/L	18	0.11	<0.10	<0.10	0.20	18
Chloride, dissolved	mg/L	18	4.75	4.34	4.16	6.13	18
Chlorine, total	mg/L	62	1.98	1.97	1.72	2.19	62
Chlorite, dissolved	mg/L	18	<0.157	<0.200	<0.200	<0.200	18
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Colour	TCU	62	<1	<1	<1	1	62
Conductivity	uS/cm	10	395	392	377	424	10
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	2
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Fluoride, dissolved	mg/L	62	0.68	0.70	0.53	0.76	62
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	2
Haloacetic Acids, total (HAA5)	ug/L	2	11.7	11.9	11.4	12.4	2
Hardness, Calcium	mg CaCO ₃ /L	62	124	121	112	140	62
Hardness, total	mg CaCO ₃ /L	62	186	182	170	207	62
Iron	mg/L	2	<0.005	<0.005	<0.005	<0.005	2
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	2
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	2
NDMA	ng/L	2	1.6	1.6	1.6	1.6	2
Nitrate (as N), dissolved	mg/L	18	0.10	0.10	0.09	0.12	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	7.6	8.1	62
Potassium	mg/L	2	0.70	0.70	0.70	0.70	2
Sodium	mg/L	2	6.79	6.79	6.78	6.80	2
Sulphate, dissolved	mg/L	18	56.7	56.3	52.6	64.3	18
Total Dissolved Solids	mg/L	2	264	264	261	266	2
Total Organic Carbon	mg/L C	10	1.2	1.1	<0.6	2.0	10
Trihalomethanes	mg/L	62	0.009	0.010	0.008	0.014	62
Turbidity	NTU	62	0.07	0.07	0.04	0.09	62
Uranium	mg/L	2	0.0006	0.0006	0.0006	0.0006	2
Zinc	mg/L	2	<0.005	<0.005	<0.005	<0.005	2

Bacteriological Data

Coliforms, total	PA/100 mL	63	Absent	Absent	Absent	63
E. coli	PA/100 mL	63	Absent	Absent	Absent	63