



Water Quality 2016

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

June 2016

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	60	115	115	95	127	364
Aluminum	mg/L	2	0.040	0.070	0.019	0.094	12
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0004	12
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	100
Bromodichloromethane	ug/L	60	1.0	0.6	<0.5	2.2	363
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	12
Chlorate, dissolved	mg/L	18	0.15	0.12	0.05	0.48	100
Chloride, dissolved	mg/L	18	6.24	5.11	3.94	11.20	100
Chlorine, total	mg/L	60	1.96	2.00	1.82	2.30	364
Chlorite, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	100
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Colour	TCU	60	<1	<1	<1	2	364
Conductivity	uS/cm	8	404	371	333	458	53
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	12
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Fluoride, dissolved	mg/L	60	0.70	0.68	0.58	0.80	364
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Haloacetic Acids, total (HAA5)	ug/L	2	30.3	13.2	11.1	32.5	12
Hardness, Calcium	mg CaCO ₃ /L	60	120	116	106	138	364
Hardness, total	mg CaCO ₃ /L	60	181	173	148	191	364
Iron	mg/L	2	<0.002	<0.002	<0.002	0.002	12
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	12
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	12
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0001	12
NDMA	ng/L	2	<1.0	<1.6	<1.6	5.2	12
Nitrate (as N), dissolved	mg/L	18	0.01	0.06	<0.01	0.21	100
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.01	<0.01	<0.01	100
pH	N/A	60	7.7	7.8	7.1	8.1	364
Potassium	mg/L	2	0.77	0.59	0.54	0.78	12
Sodium	mg/L	2	16.0	6.8	5.7	18.4	12
Sulphate, dissolved	mg/L	18	82	68	39	114	100
Total Dissolved Solids	mg/L	2	262	218	205	275	12
Total Organic Carbon	mg/L C	8	1.9	1.3	0.6	3.1	52
Trihalomethanes	mg/L	60	0.021	0.008	0.003	0.028	363
Turbidity	NTU	60	0.07	0.07	0.05	0.14	364
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	12
Zinc	mg/L	2	<0.002	<0.002	<0.002	0.005	12

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	366
E. coli	PA/100 mL	60	Absent	Absent	Absent	366