



Water Quality 2017

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

September 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	60	115	118	87	150	546
Aluminum	mg/L	2	0.130	0.057	0.020	0.181	18
Arsenic	mg/L	2	0.0003	<0.0002	<0.0002	0.0004	18
Bromate, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	154
Bromodichloromethane	ug/L	60	<0.5	<0.5	<0.5	2.3	546
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Chlorate, dissolved	mg/L	16	0.10	0.11	0.02	0.34	154
Chloride, dissolved	mg/L	16	5.30	6.08	4.46	19.40	154
Chlorine, total	mg/L	60	2.09	2.07	1.82	2.33	548
Chlorite, dissolved	mg/L	16	<0.005	<0.005	<0.005	0.030	154
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0007	18
Colour	TCU	60	<1	<1	<1	3	546
Conductivity	uS/cm	8	361	411	341	560	78
Copper	mg/L	2	0.005	<0.005	<0.005	0.006	18
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	22
Fluoride, dissolved	mg/L	60	0.68	0.69	0.61	0.78	546
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	22
Haloacetic Acids, total (HAA5)	ug/L	2	12.4	24.6	10.5	32.8	18
Hardness, Calcium	mg CaCO ₃ /L	60	105	110	85	142	546
Hardness, total	mg CaCO ₃ /L	60	160	166	127	206	546
Iron	mg/L	2	<0.005	<0.005	<0.005	0.006	18
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	18
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.018	18
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	18
NDMA	ng/L	2	<1.3	<7.2	<7.2	14.0	18
Nitrate (as N), dissolved	mg/L	16	0.01	0.06	<0.01	0.30	153
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.01	<0.01	0.02	154
pH	N/A	60	7.8	7.9	7.4	8.3	546
Potassium	mg/L	2	0.74	0.90	0.70	2.93	18
Sodium	mg/L	2	8.0	10.9	7.3	28.0	18
Sulphate, dissolved	mg/L	16	59	67	54	153	154
Total Dissolved Solids	mg/L	2	227	245	208	281	18
Total Organic Carbon	mg/L C	6	1.7	2.1	1.2	3.4	74
Trihalomethanes	mg/L	60	0.015	0.019	0.005	0.044	546
Turbidity	NTU	60	0.07	0.07	0.04	0.16	546
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	18
Zinc	mg/L	2	<0.005	<0.005	<0.005	0.007	18

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	546
E. coli	PA/100 mL	60	Absent	Absent	Absent	546