



Water Quality 2017

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

July 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	62	123	121	87	150	424
Aluminum	mg/L	2	0.090	0.039	0.020	0.109	14
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	14
Bromate, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	118
Bromodichloromethane	ug/L	62	<0.5	<0.5	<0.5	2.3	424
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Chlorate, dissolved	mg/L	16	0.10	0.11	0.02	0.34	118
Chloride, dissolved	mg/L	16	6.08	6.21	4.46	19.40	118
Chlorine, total	mg/L	62	2.05	2.07	1.82	2.33	426
Chlorite, dissolved	mg/L	16	0.008	<0.005	<0.005	0.030	118
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0007	14
Colour	TCU	62	<1	<1	<1	3	424
Conductivity	uS/cm	8	382	422	356	560	60
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	14
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	18
Fluoride, dissolved	mg/L	62	0.71	0.69	0.61	0.78	424
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	18
Haloacetic Acids, total (HAA5)	ug/L	2	24.4	25.5	13.8	32.8	14
Hardness, Calcium	mg CaCO ₃ /L	62	110	114	85	142	424
Hardness, total	mg CaCO ₃ /L	62	170	171	127	206	424
Iron	mg/L	2	<0.005	<0.005	<0.005	0.006	14
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	14
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.018	14
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	14
NDMA	ng/L	2	<3.3	<7.2	<7.2	14.0	14
Nitrate (as N), dissolved	mg/L	16	0.01	0.09	0.01	0.30	118
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.01	<0.01	0.02	118
pH	N/A	62	7.9	7.9	7.4	8.3	424
Potassium	mg/L	2	0.90	0.90	0.70	2.93	14
Sodium	mg/L	2	11.0	11.8	7.3	28.0	14
Sulphate, dissolved	mg/L	16	63	77	56	153	118
Total Dissolved Solids	mg/L	2	242	252	229	281	14
Total Organic Carbon	mg/L C	8	2.0	2.4	1.2	3.4	58
Trihalomethanes	mg/L	62	0.029	0.018	0.005	0.044	424
Turbidity	NTU	62	0.07	0.07	0.04	0.16	424
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	14
Zinc	mg/L	2	<0.005	<0.005	<0.005	0.007	14

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	424
E. coli	PA/100 mL	62	Absent	Absent	Absent	424