



Water Quality 2017

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

June 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO3/L	60	113	119	87	150	362
Aluminum	mg/L	2	0.023	0.037	0.020	0.101	12
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	12
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	102
Bromodichloromethane	ug/L	60	<0.5	<0.5	<0.5	2.3	362
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Chlorate, dissolved	mg/L	18	0.08	0.12	0.02	0.34	102
Chloride, dissolved	mg/L	18	6.02	6.28	4.46	19.40	102
Chlorine, total	mg/L	60	2.09	2.08	1.83	2.33	364
Chlorite, dissolved	mg/L	18	0.007	<0.005	<0.005	0.030	102
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0007	12
Colour	TCU	60	1	<1	<1	3	362
Conductivity	uS/cm	8	447	427	386	560	52
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	12
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	16
Fluoride, dissolved	mg/L	60	0.70	0.69	0.61	0.78	362
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	16
Haloacetic Acids, total (HAA5)	ug/L	2	26.2	25.5	13.8	32.8	12
Hardness, Calcium	mg CaCO3/L	60	113	117	85	142	362
Hardness, total	mg CaCO3/L	60	167	175	127	206	362
Iron	mg/L	2	<0.005	<0.005	<0.005	0.006	12
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	12
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.018	12
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	12
NDMA	ng/L	2	<1.9	<7.2	<7.2	14.0	12
Nitrate (as N), dissolved	mg/L	18	0.06	0.09	0.03	0.30	102
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.01	<0.01	0.02	102
pH	N/A	60	7.8	7.9	7.4	8.3	362
Potassium	mg/L	2	1.03	0.95	0.70	2.93	12
Sodium	mg/L	2	20.5	14.8	7.3	28.0	12
Sulphate, dissolved	mg/L	18	95	80	56	153	102
Total Dissolved Solids	mg/L	2	263	254	229	281	12
Total Organic Carbon	mg/L C	8	2.8	2.5	1.2	3.4	50
Trihalomethanes	mg/L	60	0.024	0.015	0.005	0.032	362
Turbidity	NTU	60	0.07	0.07	0.04	0.16	362
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	12
Zinc	mg/L	2	<0.005	<0.005	<0.005	0.007	12

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	362
E. coli	PA/100 mL	60	Absent	Absent	Absent	362