



Water Quality 2017

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

May 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	62	114	129	87	150	302
Aluminum	mg/L	2	0.037	0.039	0.028	0.101	10
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	10
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	84
Bromodichloromethane	ug/L	62	0.5	<0.5	<0.5	2.3	302
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Chlorate, dissolved	mg/L	18	0.09	0.12	0.02	0.34	84
Chloride, dissolved	mg/L	18	6.78	6.40	4.46	19.40	84
Chlorine, total	mg/L	62	2.09	2.08	1.83	2.33	304
Chlorite, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	84
Chromium	mg/L	2	0.0004	<0.0002	<0.0002	0.0007	10
Colour	TCU	62	1	<1	<1	3	302
Conductivity	uS/cm	10	432	427	386	506	44
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	10
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	14
Fluoride, dissolved	mg/L	62	0.69	0.68	0.61	0.78	302
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	14
Haloacetic Acids, total (HAA5)	ug/L	2	32.5	25.4	13.8	32.8	10
Hardness, Calcium	mg CaCO ₃ /L	62	110	120	85	138	302
Hardness, total	mg CaCO ₃ /L	62	164	184	127	206	302
Iron	mg/L	2	0.006	<0.005	<0.005	0.006	10
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	10
Manganese	mg/L	2	0.003	<0.002	<0.002	0.018	10
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	10
NDMA	ng/L	2	<2.8	<7.2	<7.2	14.0	10
Nitrate (as N), dissolved	mg/L	18	0.05	0.10	0.03	0.30	84
Nitrite (as N), dissolved	mg/L	18	<0.01	<0.01	<0.01	0.02	84
pH	N/A	62	7.9	7.9	7.4	8.3	302
Potassium	mg/L	2	1.61	0.90	0.70	2.93	10
Sodium	mg/L	2	27.4	11.5	7.3	28.0	10
Sulphate, dissolved	mg/L	18	91	79	56	121	84
Total Dissolved Solids	mg/L	2	276	254	229	281	10
Total Organic Carbon	mg/L C	8	3.1	2.3	1.2	3.4	42
Trihalomethanes	mg/L	62	0.024	0.013	0.005	0.031	302
Turbidity	NTU	62	0.07	0.07	0.04	0.16	302
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	10
Zinc	mg/L	2	0.006	<0.005	<0.005	0.007	10

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	302
E. coli	PA/100 mL	62	Absent	Absent	Absent	302