



## Water Quality 2017

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

December 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO <sub>3</sub> /L	62	128	122	87	150	730
Aluminum	mg/L	2	0.093	0.065	0.020	0.181	24
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0004	24
Bromate, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	204
Bromodichloromethane	ug/L	62	<0.5	<0.5	<0.5	2.3	730
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Chlorate, dissolved	mg/L	14	0.11	0.11	0.02	0.34	204
Chloride, dissolved	mg/L	14	4.53	5.69	3.73	19.40	204
Chlorine, total	mg/L	62	1.95	2.07	1.80	2.33	732
Chlorite, dissolved	mg/L	14	<0.005	<0.005	<0.005	0.030	204
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	0.0007	24
Colour	TCU	62	<1	<1	<1	3	729
Conductivity	uS/cm	8	368	391	341	560	104
Copper	mg/L	2	<0.005	<0.005	<0.005	0.006	24
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	0.1	29
Fluoride, dissolved	mg/L	62	0.68	0.68	0.61	0.78	730
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	29
Haloacetic Acids, total (HAA5)	ug/L	2	11.9	20.9	9.4	32.8	24
Hardness, Calcium	mg CaCO <sub>3</sub> /L	62	114	110	85	142	730
Hardness, total	mg CaCO <sub>3</sub> /L	62	173	167	127	206	730
Iron	mg/L	2	<0.005	<0.005	<0.005	0.006	24
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	24
Manganese	mg/L	2	<0.002	<0.002	<0.002	0.018	24
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	24
NDMA	ng/L	2	<1.2	<7.2	<7.2	14.0	24
Nitrate (as N), dissolved	mg/L	14	0.06	0.05	<0.01	0.30	204
Nitrite (as N), dissolved	mg/L	14	<0.01	<0.01	<0.01	0.02	204
pH	N/A	62	8.0	7.9	7.4	8.3	730
Potassium	mg/L	2	0.60	0.72	0.60	2.93	24
Sodium	mg/L	2	6.5	9.6	5.8	28.0	24
Sulphate, dissolved	mg/L	14	53	62	47	153	204
Total Dissolved Solids	mg/L	2	211	235	195	281	24
Total Organic Carbon	mg/L C	8	1.4	1.9	<0.6	3.4	100
Trihalomethanes	mg/L	62	0.009	0.016	0.004	0.044	730
Turbidity	NTU	62	0.07	0.07	0.04	0.16	730
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	24
Zinc	mg/L	2	<0.005	<0.005	<0.005	0.007	24

#### Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	730
E. coli	PA/100 mL	62	Absent	Absent	Absent	730