



## Water Quality 2017

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

February 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO <sub>3</sub> /L	56	136	138	123	150	118
Aluminum	mg/L	2	0.089	0.076	0.041	0.101	4
Arsenic	mg/L	2	0.0003	0.0003	0.0002	0.0003	4
Bromate, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	32
Bromodichloromethane	ug/L	56	0.8	0.6	<0.5	1.2	118
Cadmium	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	4
Chlorate, dissolved	mg/L	14	0.13	0.13	0.07	0.19	32
Chloride, dissolved	mg/L	14	7.85	5.42	4.46	17.20	32
Chlorine, total	mg/L	56	2.09	2.08	1.93	2.30	118
Chlorite, dissolved	mg/L	14	<0.005	<0.005	<0.005	<0.005	32
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	4
Colour	TCU	56	1	<1	<1	2	118
Conductivity	uS/cm	8	438	414	386	506	18
Copper	mg/L	2	<0.002	<0.002	<0.002	<0.002	4
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	6
Fluoride, dissolved	mg/L	56	0.68	0.68	0.63	0.78	118
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	6
Haloacetic Acids, total (HAA5)	ug/L	2	24.3	26.3	20.4	27.2	4
Hardness, Calcium	mg CaCO <sub>3</sub> /L	56	125	124	105	138	118
Hardness, total	mg CaCO <sub>3</sub> /L	56	192	191	175	206	118
Iron	mg/L	2	<0.002	<0.002	<0.002	<0.002	4
Lead	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	4
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	4
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	0.0001	4
NDMA	ng/L	2	<1.8	<7.2	<7.2	7.2	4
Nitrate (as N), dissolved	mg/L	14	0.11	0.10	0.08	0.16	32
Nitrite (as N), dissolved	mg/L	14	<0.01	<0.01	<0.01	<0.01	32
pH	N/A	56	7.9	7.9	7.4	8.1	118
Potassium	mg/L	2	0.71	0.72	0.70	0.72	4
Sodium	mg/L	2	7.5	7.6	7.3	10.3	4
Sulphate, dissolved	mg/L	14	74	62	56	102	32
Total Dissolved Solids	mg/L	2	231	243	229	255	4
Total Organic Carbon	mg/L C	8	1.9	2.0	1.2	2.6	18
Trihalomethanes	mg/L	56	0.015	0.013	0.005	0.023	118
Turbidity	NTU	56	0.07	0.08	0.04	0.16	118
Uranium	mg/L	2	0.0006	0.0006	<0.0005	0.0006	4
Zinc	mg/L	2	<0.002	<0.002	<0.002	<0.002	4

#### Bacteriological Data

Coliforms, total	PA/100 mL	56	Absent	Absent	Absent	118
E. coli	PA/100 mL	56	Absent	Absent	Absent	118