



Water Quality 2017

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

March 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	62	130	138	88	150	180
Aluminum	mg/L	2	0.032	0.056	0.028	0.101	6
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	6
Bromate, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	50
Bromodichloromethane	ug/L	62	0.8	0.7	<0.5	1.7	180
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Chlorate, dissolved	mg/L	18	0.14	0.13	0.05	0.34	50
Chloride, dissolved	mg/L	18	8.52	5.61	4.46	19.40	50
Chlorine, total	mg/L	64	2.14	2.10	1.93	2.33	182
Chlorite, dissolved	mg/L	18	<0.005	<0.005	<0.005	<0.005	50
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Colour	TCU	62	1	<1	<1	2	180
Conductivity	uS/cm	8	444	424	386	506	26
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	6
Cryptosporidium	oocysts/100L	4	<0.1	<0.1	<0.1	<0.1	10
Fluoride, dissolved	mg/L	62	0.69	0.69	0.61	0.78	180
Giardia	cysts/100L	4	<0.1	<0.1	<0.1	0.1	10
Haloacetic Acids, total (HAA5)	ug/L	2	14.4	23.3	13.8	27.2	6
Hardness, Calcium	mg CaCO ₃ /L	62	123	125	89	138	180
Hardness, total	mg CaCO ₃ /L	62	187	191	136	206	180
Iron	mg/L	2	<0.005	<0.005	<0.005	<0.005	6
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	6
Manganese	mg/L	2	<0.002	<0.002	<0.002	<0.002	6
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	6
NDMA	ng/L	2	<0.9	<7.2	<7.2	7.2	6
Nitrate (as N), dissolved	mg/L	18	0.14	0.10	0.08	0.30	50
Nitrite (as N), dissolved	mg/L	18	0.01	<0.01	<0.01	0.02	50
pH	N/A	62	7.9	7.9	7.4	8.1	180
Potassium	mg/L	2	0.90	0.72	0.70	0.90	6
Sodium	mg/L	2	11.5	9.1	7.3	11.6	6
Sulphate, dissolved	mg/L	18	82	67	56	121	50
Total Dissolved Solids	mg/L	2	267	248	229	280	6
Total Organic Carbon	mg/L C	8	2.0	2.0	1.2	2.6	26
Trihalomethanes	mg/L	62	0.010	0.012	0.005	0.023	180
Turbidity	NTU	62	0.07	0.07	0.04	0.16	180
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	6
Zinc	mg/L	2	<0.005	<0.005	<0.005	<0.005	6

Bacteriological Data

Coliforms, total	PA/100 mL	62	Absent	Absent	Absent	180
E. coli	PA/100 mL	62	Absent	Absent	Absent	180