



Water Quality 2017

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

April 2017

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	60	99	134	87	150	240
Aluminum	mg/L	2	0.040	0.043	0.028	0.101	8
Arsenic	mg/L	2	<0.0002	<0.0002	<0.0002	0.0003	8
Bromate, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	66
Bromodichloromethane	ug/L	60	0.5	0.6	<0.5	2.3	240
Cadmium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Chlorate, dissolved	mg/L	16	0.09	0.13	0.03	0.34	66
Chloride, dissolved	mg/L	16	8.21	6.20	4.46	19.40	66
Chlorine, total	mg/L	60	2.08	2.09	1.85	2.33	242
Chlorite, dissolved	mg/L	16	<0.005	<0.005	<0.005	<0.005	66
Chromium	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Colour	TCU	60	1	<1	<1	2	240
Conductivity	uS/cm	8	437	429	386	506	34
Copper	mg/L	2	<0.005	<0.005	<0.005	<0.005	8
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	12
Fluoride, dissolved	mg/L	60	0.66	0.68	0.61	0.78	240
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	0.1	12
Haloacetic Acids, total (HAA5)	ug/L	2	20.3	22.5	13.8	27.2	8
Hardness, Calcium	mg CaCO ₃ /L	60	98	123	85	138	240
Hardness, total	mg CaCO ₃ /L	60	148	189	127	206	240
Iron	mg/L	2	<0.005	<0.005	<0.005	<0.005	8
Lead	mg/L	2	<0.0002	<0.0002	<0.0002	<0.0002	8
Manganese	mg/L	2	0.017	<0.002	<0.002	0.018	8
Mercury	mg/L	2	<0.0002	<0.0002	<0.0002	0.0002	8
NDMA	ng/L	2	8.5	<7.2	<7.2	14.0	8
Nitrate (as N), dissolved	mg/L	16	0.12	0.10	0.08	0.30	66
Nitrite (as N), dissolved	mg/L	16	<0.01	<0.01	<0.01	0.02	66
pH	N/A	60	7.8	7.9	7.4	8.2	240
Potassium	mg/L	2	2.60	0.81	0.70	2.93	8
Sodium	mg/L	2	26.4	10.9	7.3	27.8	8
Sulphate, dissolved	mg/L	16	101	75	56	121	66
Total Dissolved Solids	mg/L	2	259	252	229	280	8
Total Organic Carbon	mg/L C	8	2.9	2.2	1.2	3.1	34
Trihalomethanes	mg/L	60	0.012	0.012	0.005	0.023	240
Turbidity	NTU	60	0.07	0.07	0.04	0.16	240
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0006	8
Zinc	mg/L	2	<0.005	<0.005	<0.005	<0.005	8

Bacteriological Data

Coliforms, total	PA/100 mL	60	Absent	Absent	Absent	240
E. coli	PA/100 mL	60	Absent	Absent	Absent	240