



Water Quality 2010

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

May 2010

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	64	115	117	99	135	312
Aluminum	mg/L	10	0.065	0.063	0.037	0.156	52
Arsenic	mg/L	2	<0.001	<0.001	<0.001	<0.001	10
Bromodichloromethane	ug/L	62	1.0	0.5	<0.5	2.4	302
Cadmium	mg/L	2	<0.001	<0.001	<0.001	<0.001	10
Chloride, dissolved	mg/L	8	5.71	4.74	2.38	9.43	42
Chlorine, total	mg/L	62	1.99	1.97	1.81	2.13	302
Chromium	mg/L	2	<0.001	<0.001	<0.001	0.004	10
Colour	TCU	70	1	1	<1	2	344
Conductivity	uS/cm	10	391	356	330	457	52
Copper	mg/L	2	<0.003	<0.003	<0.003	<0.003	10
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Fluoride, dissolved	mg/L	62	0.71	0.71	0.66	0.75	302
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	10
Hardness, Calcium	mg CaCO ₃ /L	62	115	113	100	130	302
Hardness, total	mg CaCO ₃ /L	62	169	165	149	189	302
Iron	mg/L	2	<0.002	<0.002	<0.002	<0.002	10
Lead	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	10
Manganese	mg/L	2	<0.001	<0.001	<0.001	0.001	10
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	10
Nitrate (as N)	mg/L	6	0.02	0.08	<0.01	0.10	34
Nitrite (as N)	mg/L	6	<0.01	<0.01	<0.01	<0.01	32
pH	N/A	62	7.7	7.7	7.6	8.0	302
Potassium	mg/L	2	0.80	0.72	0.59	0.89	10
Sodium	mg/L	2	11.1	7.6	3.6	13.7	10
Sulphate, dissolved	mg/L	8	74.2	59.9	49.9	101.0	42
Temperature	°C	2	8.8	0.3	0.1	9.5	10
Total Dissolved Solids	mg/L	2	215	205	182	223	10
Total Organic Carbon	mg/L C	10	2.2	1.1	0.7	3.2	52
Trihalomethanes	mg/L	62	0.015	0.006	0.002	0.026	302
Turbidity	NTU	62	0.06	0.06	0.04	0.10	302
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	10
UV Abs	UV Abs/M	9	2.8	1.2	0.8	3.2	63
Zinc	mg/L	2	<0.003	<0.003	<0.003	0.005	10

Bacteriological Data

<i>E. coli</i>	PA/100 mL	Absent	Absent	Absent
Total Coliforms	PA/100 mL	Absent	Absent	Absent