



Water Quality 2010

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

April 2010

Parameter	Unit	Monthly Count	Monthly Average	YTD Median	YTD Min	YTD Max	YTD Count
Alkalinity, total	mg CaCO ₃ /L	62	111	117	102	135	248
Aluminum	mg/L	10	0.051	0.064	0.037	0.156	42
Arsenic	mg/L	2	<0.001	<0.001	<0.001	<0.001	8
Bromodichloromethane	ug/L	60	0.6	0.5	<0.5	1.3	240
Cadmium	mg/L	2	<0.001	<0.001	<0.001	<0.001	8
Chloride, dissolved	mg/L	10	4.52	4.44	2.38	6.27	34
Chlorine, total	mg/L	60	1.99	1.97	1.81	2.11	240
Chromium	mg/L	2	<0.001	<0.001	<0.001	0.004	8
Colour	TCU	68	<1	<1	<1	2	274
Conductivity	uS/cm	10	356	351	330	403	42
Copper	mg/L	2	<0.003	<0.003	<0.003	<0.003	8
Cryptosporidium	oocysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Fluoride, dissolved	mg/L	60	0.71	0.71	0.66	0.75	240
Giardia	cysts/100L	2	<0.1	<0.1	<0.1	<0.1	8
Hardness, Calcium	mg CaCO ₃ /L	60	109	113	100	130	240
Hardness, total	mg CaCO ₃ /L	60	160	164	149	189	240
Iron	mg/L	2	<0.002	<0.002	<0.002	<0.002	8
Lead	mg/L	2	<0.0005	<0.0005	<0.0005	<0.0005	8
Manganese	mg/L	2	<0.001	<0.001	<0.001	0.001	8
Mercury	mg/L	2	<0.0001	<0.0001	<0.0001	<0.0001	8
Nitrate (as N)	mg/L	8	0.02	0.09	<0.01	0.10	28
Nitrite (as N)	mg/L	8	<0.01	<0.01	<0.01	<0.01	26
pH	N/A	60	7.8	7.8	7.6	8.0	240
Potassium	mg/L	2	0.86	0.67	0.59	0.89	8
Sodium	mg/L	2	10.3	7.4	3.6	12.3	8
Sulphate, dissolved	mg/L	10	63.2	58.4	49.9	79.9	34
Temperature	°C	2	0.5	0.3	0.1	0.9	8
Total Dissolved Solids	mg/L	2	192	203	182	222	8
Total Organic Carbon	mg/L C	10	0.9	1.0	0.7	1.4	42
Trihalomethanes	mg/L	60	0.005	0.006	0.002	0.011	240
Turbidity	NTU	60	0.06	0.06	0.04	0.10	240
Uranium	mg/L	2	<0.0005	<0.0005	<0.0005	0.0005	8
UV Abs	UV Abs/M	9	1.5	1.2	0.8	1.8	54
Zinc	mg/L	2	<0.003	<0.003	<0.003	0.005	8

Bacteriological Data

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