

EPCOR
WATER QUALITY 2008

**2.1.1. SUMMARY OF MAJOR CHEMICAL, MICROBIOLOGICAL AND PHYSICAL
PARAMETERS OF EDMONTON DRINKING WATER
April 2008**

Parameters	Unit	Monthly Average	2008 Median	2008 Range	
				Min	Max
Alkalinity, total	mg CaCO ₃ /L	114	120	104	144
Aluminum	mg/L	0.043	0.046	0.036	0.054
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	ug/L	0.5	0.5	<0.5	0.8
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Chloride, dissolved	mg/L	4.07	4.23	2.32	5.93
Chlorine, total	mg/L	1.96	1.93	1.71	2.10
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001
Colour	TCU	<1	1	<1	1
Conductivity	microseimens/cm	355	363	328	402
Copper	mg/L	<0.003	<0.003	<0.003	<0.003
<i>Cryptosporidium</i>	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride, dissolved	mg/L	0.45	0.75	0.05	0.88
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
Hardness Calcium	mg CaCO ₃ /L	111	116	102	133
Hardness, total	mg CaCO ₃ /L	162	170	147	196
Iron	mg/L	<0.002	<0.002	<0.002	<0.002
Lead	mg/L	<0.0002	<0.0002	<0.0002	<0.0002
Manganese	mg/L	<0.001	0.001	<0.001	0.002
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate (as N)	mg/L	0.047	0.079	0.028	0.106
Nitrite (as N)	mg/L	0.007	0.005	<0.005	0.033
pH	pH units	7.8	7.7	7.5	8.0
Potassium	mg/L	0.89	0.73	0.57	0.89
Sodium	mg/L	8.33	7.93	7.28	9.58
Sulphate, dissolved	mg/L	61.2	60.7	55.8	71.3
Temperature	Deg Celsius	0.7	0.8	0.3	1.1
Total Dissolved Solids	mg/L	209	221	206	258
Total Organic Carbon	mg/L as C	1.1	1.1	0.9	1.6
Trihalomethanes	mg/L	0.007	0.007	0.003	0.013
Turbidity	NTU	0.05	0.05	0.04	0.09
Uranium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
UV Abs	UV Abs/m	1.2	1.2	0.8	2.0
Zinc	mg/L	<0.003	<0.003	<0.003	0.003
Bacteriological Data					
<i>E.coli</i>	PA/100 mL	Absent	Absent	Absent	
Total Coliforms	PA/100 mL	Absent	Absent	Absent	