

EPCOR
WATER QUALITY 2008

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

Parameters	Unit	Monthly Average	2008 Median	2008 Range	
				Min	Max
Alkalinity, total	mg CaCO3/L	132	126	114	144
Aluminum	mg/L	0.050	0.050	0.040	0.050
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	ug/L	0.5	0.5	<0.5	0.7
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Chloride, dissolved	mg/L	3.6	3.8	2.3	5.0
Chlorine, total	mg/L	1.90	1.90	1.71	2.08
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001
Colour	TCU	<1	<1	<1	1
Conductivity	microseimens/cm	387	371	351	402
Copper	mg/L	<0.001	<0.001	<0.001	<0.001
Cryptosporidium	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride, dissolved	mg/L	0.48	0.44	0.07	0.88
Giardia	cysts/100L	<0.1	<0.1	<0.1	<0.1
Hardness Calcium	mg CaCO3/L	126	120	110	133
Hardness, total	mg CaCO3/L	184	176	164	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	<0.002	<0.001	0.002
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate (as N)	mg/L	0.100	0.080	0.070	0.110
Nitrite (as N)	mg/L	<0.005	<0.005	<0.005	<0.005
pH	pH units	7.7	7.7	7.5	8.0
Potassium	mg/L	0.8	0.7	0.7	0.8
Sodium	mg/L	8.5	7.8	7.5	9.6
Sulphate, dissolved	mg/L	63.0	61.5	58.4	67.6
Temperature	Deg Celsius	0.6	0.6	0.3	0.8
Total Dissolved Solids	mg/L	246	229	224	258
Total Organic Carbon	mg/L as C	1.4	1.1	1.0	1.6
Trihalomethanes	mg/L	0.008	0.007	0.005	0.011
Turbidity	NTU	0.05	0.05	0.04	0.08
Uranium	mg/L	<0.0005	<0.0005	<0.0005	0.0005
UV Abs	UV Abs/m	1.3	1.2	1.0	2.0
Zinc	mg/L	<0.001	<0.001	<0.001	0.001
Bacteriological Data					
<i>E.coli</i>	PA/100 mL	Absent	Absent	Absent	
Total Coliforms	PA/100 mL	Absent	Absent	Absent	