

EPCOR
WATER QUALITY 2008

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

Parameters	Unit	Monthly Average	2008 Median	2008 Range	
				Min	Max
Alkalinity, total	mg CaCO ₃ /L	113	120	94	144
Aluminum	mg/L	0.042	0.046	0.030	0.058
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	ug/L	0.8	0.5	<0.5	1.2
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Chloride, dissolved	mg/L	4.80	4.3	2.32	6.6
Chlorine, total	mg/L	1.98	1.94	1.71	2.12
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001
Colour	TCU	<1	1	<1	1
Conductivity	microseimens/cm	426	365	328	576
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	0.39	0.74	0.02	0.88
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
Hardness Calcium	mg CaCO ₃ /L	121	116	102	196
Hardness, total	mg CaCO ₃ /L	169	169	147	238
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	0.055	0.078	0.028	0.106
Nitrite (as N)	mg/L	<0.005	0.005	<0.005	0.033
pH	pH units	7.8	7.7	7.5	8.0
Potassium	mg/L	1.21	0.77	0.57	1.22
Sodium	mg/L	13.40	8.20	7.28	15.10
Sulphate, dissolved	mg/L	98.8	61.0	55.8	151
Temperature	Deg Celsius	10.9	0.8	0.3	11.4
Total Dissolved Solids	mg/L	223	223	206	258
Total Organic Carbon	mg/L as C	2.3	1.1	0.9	3.6
Trihalomethanes	mg/L	0.016	0.007	0.003	0.028
Turbidity	NTU	0.06	0.05	0.04	0.09
Uranium	mg/L	<0.0005	<0.0005	<0.0005	0.0005
UV Abs	UV Abs/m	2.8	1.2	0.8	4.7
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	