

EPCOR
WATER QUALITY 2008

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

Parameters	Unit	Monthly Average	2008 Median	2008 Range	
				Min	Max
Aluminum	mg/L	0.047	0.047	0.042	0.053
Arsenic	mg/L	<0.001	<0.001	<0.001	<0.001
Bromodichloromethane	mg/L	<0.5	0.5	<0.5	0.6
Cadmium	mg/L	<0.001	<0.001	<0.001	<0.001
Calcium Hardness	mg CaCO ₃ /L	117	116	110	126
Chloride	mg/L	3.3	3.1	2.3	5.0
Chromium	mg/L	<0.001	<0.001	<0.001	<0.001
Colour	TCU	<1	<1	<1	1
Conductivity	microseimens/cm	365	363	351	386
Copper	mg/L	<0.001	<0.001	<0.001	<0.001
<i>Cryptosporidium</i>	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride	mg/L	0.44	0.43	0.07	0.84
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
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	0.002	0.002	0.002	0.002
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate(as N)	mg/L	0.079	0.080	0.069	0.082
Nitrite(as N)	mg/L	<0.005	<0.005	<0.005	<0.005
Potassium	mg/L	0.7	0.7	0.7	0.7
Sodium	mg/L	7.8	7.8	7.6	8.0
Sulphate	mg/L	61.1	60.2	58.4	67.6
Temperature	Deg Celsius	0.5	0.6	0.3	0.8
Total Alkalinity	mg CaCO ₃ /L	122	122	114	133
Total Dissolved Solids	mg/L	224	224	224	225
Total Hardness	mg CaCO ₃ /L	173	172	164	184
Total Organic Carbon	mg/L as C	1.1	1.1	1.0	1.1
Total Residual Chlorine	mg/L	1.87	1.88	1.71	2.03
Trihalomethanes	mg/L	0.006	0.006	0.005	0.008
Turbidity	NTU	0.05	0.05	0.04	0.07
UV Abs (254 nm)	UV Abs/M	1.2	1.1	1.1	2.0
Uranium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	mg/L	<0.001	<0.001	<0.001	<0.001
pH	pH Units	7.7	7.7	7.6	8.0
Bacteriological Data					
<i>E.coli</i>	PA/100 mL	Absent	Absent	Absent	
Total Coliforms	PA/100 mL	Absent	Absent	Absent	