

EPCOR
WATER QUALITY 2007

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

January 2007

Parameters	Unit	Monthly Average	2007 Median	2007 Range	
				Min	Max
Aluminum	mg/L	0.030	0.030	0.022	0.039
Arsenic	mg/L	0.0003	0.0003	0.0003	0.0003
Cadmium	mg/L	<0.00001	<0.00001	<0.00001	<0.00001
Calcium Hardness	mg CaCO ₃ /L	128	128	118	140
Chloride	mg/L	2.7	2.7	2.5	3.2
Chromium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Colour	TCU	1	<1	<1	1
Conductivity	microseimens/cm	374	369	353	398
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	0.79	0.79	0.75	0.87
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
Iron	mg/L	<0.03	<0.03	<0.03	<0.03
Lead	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Manganese	mg/L	<0.005	<0.005	<0.005	<0.005
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate(as N)	mg/L	0.087	0.088	0.075	0.091
Nitrite(as N)	mg/L	0.005	<0.005	<0.005	0.006
Potassium	mg/L	0.7	0.7	0.7	0.7
Sodium	mg/L	6.6	6.6	6.3	6.8
Sulphate	mg/L	62.2	61.8	57.9	67.8
Temperature	Deg Celsius	0.5	0.5	0.3	0.6
Total Alkalinity	mg CaCO ₃ /L	130	129	122	141
Total Dissolved Solids	mg/L	215	215	212	218
Total Hardness	mg CaCO ₃ /L	185	184	174	196
Total Organic Carbon	mg/L as C	1.4	1.3	1.2	1.6
Total Residual Chlorine	mg/L	1.94	1.92	1.80	2.08
Trihalomethanes	mg/L	0.009	0.009	0.006	0.013
Turbidity	NTU	0.05	0.05	0.04	0.08
UV Abs (254 nm)	UV Abs/M	1.8	1.6	1.3	2.6
Uranium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	mg/L	0.002	0.002	0.002	0.002
pH	pH Units	7.7	7.7	7.6	7.9

Bacteriological Data

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