

EPCOR
WATER QUALITY 2007

**2.1.1. SUMMARY OF MAJOR CHEMICAL, MICROBIOLOGICAL AND PHYSICAL
PARAMETERS OF EDMONTON DRINKING WATER
April 2007**

Parameters	Unit	Monthly Average	2007 Median	2007 Range	
				Min	Max
Aluminum	mg/L	0.040	0.039	0.030	0.057
Arsenic	mg/L	<0.001	<0.0002	<0.0002	<0.001
Cadmium	mg/L	<0.001	<0.00001	<0.00001	<0.001
Calcium Hardness	mg CaCO ₃ /L	121	122	81	145
Chloride	mg/L	4.1	2.7	2.4	10.6
Chromium	mg/L	<0.001	<0.0005	<0.0005	<0.001
Colour	TCU	<1	<1	<1	3
Conductivity	microseimens/cm	377	372	342	438
Copper	mg/L	0.002	<0.001	<0.001	0.003
<i>Cryptosporidium</i>	oocysts/100L	<0.1	<0.1	<0.1	<0.1
Fluoride	mg/L	0.80	0.80	0.75	0.87
<i>Giardia</i>	cysts/100L	<0.1	<0.1	<0.1	<0.1
Iron	mg/L	<0.002	<0.1	<0.002	<0.1
Lead	mg/L	<0.0002	<0.0001	<0.0001	<0.0002
Manganese	mg/L	0.005	<0.005	<0.002	0.006
Mercury	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Nitrate(as N)	mg/L	0.117	0.09	0.075	0.447
Nitrite(as N)	mg/L	0.003	<0.005	<0.005	0.015
Potassium	mg/L	1.8	0.7	0.7	4.8
Sodium	mg/L	10.0	6.4	5.6	21.4
Sulphate	mg/L	69.4	61.6	57.3	122
Temperature	Deg Celsius	0.6	0.7	0.2	1.1
Total Alkalinity	mg CaCO ₃ /L	119	122	86	141
Total Dissolved Solids	mg/L	221	221	212	234
Total Hardness	mg CaCO ₃ /L	173	176	133	196
Total Organic Carbon	mg/L as C	1.5	1.4	0.8	3.4
Total Residual Chlorine	mg/L	1.95	1.95	1.80	2.13
Trihalomethanes	mg/L	0.009	0.008	0.002	0.037
Turbidity	NTU	0.05	0.05	0.03	0.12
UV Abs (254 nm)	UV Abs/M	1.5	1.3	0.4	3.9
Uranium	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
Zinc	mg/L	0.003	0.003	<0.001	0.008
pH	pH Units	7.7	7.7	7.4	8.0

Bacteriological Data

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