



Zenon Testing - 1995 and Environment Canada – 2003

Water Quality Analysis

Parameter	Result		Unit	Minimum Detectable Limit
	Mar-95	May-03		
pH	7.92	8.29	pH	0.01
Color	< 5	7.5	Color Units	2.5
Conductance	264	263	uS/cm	1
Turbidity	< 0.01	0.25	NTU	0.05
Hardness	144	132	mg CaCO ₃ /l	0.4
Alkalinity	125	119	mg CaCO ₃ /l	0.5
Chloride Dissolved (Cl)	< 0.5	0.2	mg/l	0.1
Fluoride Dissolved (F)	0.24	0.21	mg/l	0.1
Sulphate (SO ₄)	15.1	14.2	mg/l	1
Bromide (Br)		< 0.05	mg/l	0.05
Nitrate (NO ₃)	0.15	0.157	mg/l	0.002
Nitrite (NO ₂)	< 0.005	< 0.005	mg/l	0.005
Phosphorus (P)	< 0.04	< 0.05	mg/l	0.04
Residue (Filterable)	182	167	mg/l	10
Residue (Non- Filterable)	< 4	< 5	mg/l	5
ICP Extractable				
Aluminum (Al)	< 0.02		mg/l	0.02
Arsenic (As)	< 0.0005		mg/l	0.0001
Antimony (Sb)	< 0.015		mg/l	0.015
Barium (Ba)	0.019		mg/l	0.001
Beryllium (Be)	< 0.001	0.002	mg/l	0.001
Bismuth (Bi)	< 0.02	< 0.02	mg/l	0.02
Boron (B)	< 0.008	0.004	mg/l	0.008
Cadmium (Cd)	< 0.0001	0.0002	mg/l	0.0001
Calcium (Ca)	40.5	37.5	mg/l	0.1
Chromium (Cr)	< 0.002	< 0.005	mg/l	0.003
Cobalt (Co)	< 0.003	< 0.005	mg/l	0.003
Copper (Cu)	0.016	0.032	mg/l	0.001
Iron (Fe)	< 0.003	< 0.005	mg/l	0.005
Lead (Pb)	< 0.001	< 0.05	mg/l	0.001
Magnesium (Mg)	10.4	9.3	mg/l	0.1
Manganese (Mn)	< 0.002	< 0.001	mg/l	0.05
Mercury (Hg)		< 0.0005	mg/l	0.0005
Molybdenum (Mo)	< 0.004	< 0.01	mg/l	0.1

Nickel (Ni)	< 0.008	< 0.020	mg/l	0.008
Phosphorus (P)	< 0.04	< 0.10	mg/l	0.1
Potassium (K)	< 0.4	0.3	mg/l	0.1
Selenium (Se)	0.0005	< 0.05	mg/l	0.0005
Silicon (Si)	1.58	1.45	mg/l	0.05
Silver (Ag)	< 0.01	< 0.01	mg/l	0.01
Sodium (Na)	0.39	0.4	mg/l	0.1
Strontium (Sr)	0.073	0.08	mg/l	0.001
Sulphur (S)	4.9	4.5	mg/l	0.05
Tellurium (Te)	< 0.02		mg/l	0.02
Thallium (Tl)	< 0.020		mg/l	0.02
Tin (Sn)	< 0.02	< 0.05	mg/l	0.05
Titanium (Ti)	< 0.003	< 0.002	mg/l	0.002
Vanadium (V)	< 0.003	< 0.01	mg/l	0.01
Zinc (Zn)	0.023	0.018	mg/l	0.002
Zirconium (Zr)	< 0.003		mg/l	0.003
Volatiles				
Bromodichloromethane	< 10		ug/l	10
Bromoform	< 10		ug/l	10
Chloroform	< 10		ug/l	10
Dibromochloromethane	< 10		ug/l	10
Toluene-d8, surrogate	100		%	40