

**Water Sample Results - General Chemistry and Metals**

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Point Aconi (030)	
				15-Sep-2005	10-Dec-2008
<b>General Chemistry</b>					
Total Alkalinity (Total as CaCO <sub>3</sub> )	mg/L	-	5	140	130
Chloride (Cl)	mg/L	250 AO	1	19	11
Colour	TCU	15 AO	5	ND	ND
Hardness (CaCO <sub>3</sub> )	mg/L	-	-	140	160
Nitrate + Nitrite	mg/L	10	0.05	ND	1.3
Nitrite (N)	mg/L	1	0.01	ND	ND
Nitrate (N)	mg/L	10	0.05	ND	1.3
Nitrogen (Ammonia Nitrogen)	mg/L	-	0.05	ND	ND
Total Organic Carbon (C)	mg/L	-	0.5	ND	1.3
Orthophosphate (P)	mg/L	-	0.01	ND	ND
pH	pH	7.0-10.5 OG	-	8.01	7.97
Reactive Silica (SiO <sub>2</sub> )	mg/L	-	0.5	7.6	9.2
Sulphate (SO <sub>4</sub> )	mg/L	500 AO	2	10	21
Turbidity	NTU	-	0.1	ND	0.2
Conductivity	uS/cm	-	-	380	340
Anion Sum	me/L	-	-	3.6	3.38
Bicarb. Alkalinity (calc. as CaCO <sub>3</sub> )	mg/L	-	1	140	126
Calculated TDS	mg/L	-	1	207	194
Carb. Alkalinity (calc. as CaCO <sub>3</sub> )	mg/L	-	1	1	1
Cation Sum	me/L	-	-	4.11	3.66
Ion Balance (% Difference)	%	-	-	6.56	3.98
Langelier Index (@ 20C)	N/A	-	-	0.41	0.423
Langelier Index (@ 4C)	N/A	-	-	0.16	0.173
Saturation pH (@ 20C)	N/A	-	-	7.6	7.55
Saturation pH (@ 4C)	N/A	-	-	7.85	7.8
Calcium (Ca)	mg/L	-	0.1	44	55
Magnesium (Mg)	mg/L	-	0.1	6.3	5.8
Phosphorus (P)	mg/L	-	0.1	ND	ND
Potassium (K)	mg/L	-	0.1	4	1
Sodium (Na)	mg/L	200 AO	0.1	30	10
Bromide (Br)	mg/L	-	0.5		ND
Fluoride (F)	mg/L	1.5	0.1		ND
<b>Metals</b>					
Aluminum (Al)	ug/L	-	10	15	ND
Antimony (Sb)	ug/L	6	2	ND	ND
Arsenic (As)	ug/L	10	2	ND	ND
Barium (Ba)	ug/L	1000	5	40	18
Beryllium (Be)	ug/L	-	2	ND	ND
Bismuth (Bi)	ug/L	-	2	ND	ND
Boron (B)	ug/L	5000	5	35	ND
Cadmium (Cd)	ug/L	5	0.3	ND	ND
Chromium (Cr)	ug/L	50	2	ND	ND
Cobalt (Co)	ug/L	-	1	ND	ND
Copper (Cu)	ug/L	1000 AO	2	6	ND
Iron (Fe)	ug/L	300 AO	50	ND	ND
Lead (Pb)	ug/L	10	0.5	0.6	ND
Manganese (Mn)	ug/L	50 AO	2	<b>360</b>	7.9
Molybdenum (Mo)	ug/L	-	2	ND	ND
Mercury (Hg)	ug/L	1	0.01		ND
Nickel (Ni)	ug/L	-	2	ND	ND
Selenium (Se)	ug/L	50	2	ND	ND
Silver (Ag)	ug/L	-	0.5	ND	ND
Strontium (Sr)	ug/L	-	5	230	110
Thallium (Tl)	ug/L	-	0.1	ND	ND
Tin (Sn)	ug/L	-	2	ND	ND
Titanium (Ti)	ug/L	-	2	ND	ND
Uranium (U)	ug/L	20	0.1	0.3	0.36
Vanadium (V)	ug/L	-	2	ND	ND
Zinc (Zn)	ug/L	5000 AO	5	18	ND

**Notes:**

All guidelines are based on Health Canada MACs (Maximum Acceptable Concentrations) or Interim (I)MACs, unless otherwise indicated.

AO = Aesthetic Objective- see Health Canada Drinking Water Guidelines for details

OG = Operational Guidance - see Health Canada Drinking Water Guidelines for details

ND = not detected and ND( ) = not detected at the detection limit shown in brackets ( )

"-" = not applicable

Shaded values exceed guidelines.