

Water Sample Results - General Chemistry and Metals

Parameter	Units	Canadian Drinking Water Guideline	Detection Limit	Pugwash (084)
				8-Dec-2010
General Chemistry				
Total Alkalinity (Total as CaCO ₃)	mg/L	-	30	120
Chloride (Cl)	mg/L	250 AO	5	26
Colour	TCU	15 AO	-	-
Hardness (CaCO ₃)	mg/L	-	-	-
Nitrate + Nitrite	mg/L	10	-	-
Nitrite (N)	mg/L	1	0.06	ND
Nitrate (N)	mg/L	10	0.06	0.21
Nitrogen (Ammonia Nitrogen)	mg/L	-	-	-
Total Organic Carbon (C)	mg/L	-	-	-
Orthophosphate (P)	mg/L	-	0.3	ND
pH	pH	7.0-10.5 OG	-	7.75
Reactive Silica (SiO ₂)	mg/L	-	-	-
Sulphate (SO ₄)	mg/L	500 AO	20	270
Turbidity	NTU	-	-	-
Conductivity	uS/cm	-	-	-
Anion Sum	me/L	-	-	-
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	-	-	-
Calculated TDS	mg/L	-	-	-
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	-	-	-
Cation Sum	me/L	-	-	-
Ion Balance (% Difference)	%	-	-	-
Langelier Index (@ 20C)	N/A	-	-	-
Langelier Index (@ 4C)	N/A	-	-	-
Saturation pH (@ 20C)	N/A	-	-	-
Saturation pH (@ 4C)	N/A	-	-	-
Calcium (Ca)	mg/L	-	0.1	120
Magnesium (Mg)	mg/L	-	0.1	9.2
Phosphorus (P)	mg/L	-	0.1	0.13
Potassium (K)	mg/L	-	0.1	4.1
Sodium (Na)	mg/L	200 AO	0.1	40
Bromide (Br)	mg/L	-	0.5	ND
Fluoride (F)	mg/L	1.5	-	-
Metals				
Aluminum (Al)	ug/L	-	5	ND
Antimony (Sb)	ug/L	6	-	-
Arsenic (As)	ug/L	10	-	-
Barium (Ba)	ug/L	1000	-	-
Beryllium (Be)	ug/L	-	-	-
Bismuth (Bi)	ug/L	-	-	-
Boron (B)	ug/L	5000	-	-
Cadmium (Cd)	ug/L	5	-	-
Chromium (Cr)	ug/L	50	-	-
Cobalt (Co)	ug/L	-	-	-
Copper (Cu)	ug/L	1000 AO	2	ND
Iron (Fe)	ug/L	300 AO	50	ND
Lead (Pb)	ug/L	10	0.5	ND
Manganese (Mn)	ug/L	50 AO	2	26
Molybdenum (Mo)	ug/L	-	-	-
Mercury (Hg)	ug/L	1	-	-
Nickel (Ni)	ug/L	-	-	-
Selenium (Se)	ug/L	50	-	-
Silver (Ag)	ug/L	-	-	-
Strontium (Sr)	ug/L	-	-	-
Thallium (Tl)	ug/L	-	-	-
Tin (Sn)	ug/L	-	-	-
Titanium (Ti)	ug/L	-	-	-
Uranium (U)	ug/L	20	-	-
Vanadium (V)	ug/L	-	-	-
Zinc (Zn)	ug/L	5000 AO	5	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.