

Whitevale Well #2 Water Quality 2019

Water System:	Greater Vernon Water
Source:	Whitevale
Facility:	Whitevale
Sampling Point:	Whitevale Well #2
Date of Sample:	11/6/2019

INORGANIC	Results (mg/L unless noted)	Canadian Drinking Water Guidelines	
		Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum (total)	0.0058	no current guideline	≤ 0.1
Antimony (total)	<0.00020	< 0.006	no current guideline
Arsenic (total)	<0.00050	< 0.01	no current guideline
Barium (total)	0.0084	< 1	no current guideline
Boron (total)	<0.0050	< 5	no current guideline
Cadmium (total)	<0.000010	< 0.005	no current guideline
Calcium (total)	35.4	no current guideline	no current guideline
Chloride	0.93	no current guideline	<250
Chromium (total)	<0.00050	< 0.05	no current guideline
Copper (total)	0.00060	< 2	<1.0
Cyanide (total)	<0.0020	<0.2	no current guideline
Fluoride	0.15	<1.5	no current guideline
Iron (total)	<0.010	no current guideline	<0.30
Lead (total)	<0.00020	< 0.005	no current guideline
Magnesium (total)	5.82	no current guideline	no current guideline
Manganese (total)	0.00093	< 0.12	<0.02
Molybdenum (total)	0.00124	no current guideline	no current guideline
Nitrate (as N)	<0.010	<10 mg/L as N	no current guideline
Nitrite (as N)	<0.010	<1 mg/L as N	no current guideline
Potassium (total)	1.96	no current guideline	no current guideline
Selenium (total)	<0.00050	<0.05	no current guideline
Sodium (total)	4.71	no current guideline	<200
Sulphate	21.4	no current guideline	<500
Uranium (total)	0.000171	<0.02	no current guideline
Zinc (total)	<0.0040	no current guideline	<5.0

PHYSICAL	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity (Total, as CaCO ₃)	105	no current guideline	
Colour (TCU)	<5.0	no current guideline	<15 TCU
Conductivity (microS/cm)	236	no current guideline	no current guideline
Hardness (total, as CaCO ₃)	113	no current guideline	see note
pH	8.02	no current guideline	7.0 - 10.5
Total dissolved solids / TDS	134	no current guideline	<500
Turbidity (NTU)	<0.10	1 NTU	<5 NTU

Notes:

No current Guideline ; Reference Health Canada

Hardness - no guideline - "Hardness Levels between 80 and 100 mg/L as CaCo3 are considered acceptable; levels greater than 200 are considered poor but can be tolerated; those in excess of 500 are normally considered unacceptable."

Turbidity - 1 NTU when disinfection required; <5 NTU aesthetic clarity

"<" = less than detection limit shown

">" = greater than upper range limit shown

"«" = less than number shown (Detected)

"»" = greater than number shown (Detected)

* Criteria or Objective Exceeded