

Well #2 Water Quality 2019

Water System: **Greater Vernon Water**
 Source: **Groundwater**
 Sampling Point: **Well #2 (6CC9)**
 Date of Sample: **7/18/2019**



		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	12.9		<250
Fluoride	0.21	1.5	
Nitrate (As N)	2.79	10	
Nitrite (as N)	< 0.010	1	
Sulphate	41.5		≤500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity, Bicarbonate (as CaCO ₃)	262	N/A	
Alkalinity, Carbonate (as CaCO ₃)	<1.0	N/A	
Alkalinity, Hydroxide (as CaCO ₃)	< 1.0	N/A	
Alkalinity, Phenolphthalein (as CaCO ₃)	< 1.0	N/A	
Alkalinity, Total (as CaCO ₃)	262	N/A	
Colour, True	< 5.0		≤15
Conductivity (EC)	603	N/A	
Cyanide, Total	< 0.0020	0.2	
pH	7.97	7.0 - 10.5	
Turbidity	< 0.1		OG <1
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness, Total	302	N/A	
Total Dissolved Solids	349		≤500
Total Metals	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	< 0.0050	N/A	OG ≤0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	0.00132	0.01	
Barium, total	0.0383	1	
Boron, total	0.0233	5	
Cadmium, total	0.000042	0.005	
Calcium, total	86.2	N/A	
Chromium, total	0.00138	0.05	
Cobalt, total	< 0.00010	N/A	
Copper, total	0.0146	2	<1
Iron, total	0.177		≤0.3
Lead, total	0.00047	0.005	
Magnesium, total	21.0	N/A	
Manganese, total	< 0.00020	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00305	N/A	
Nickel, total	0.00056	N/A	
Potassium, total	3.88		
Selenium, total	0.00163	0.05	
Sodium, total	11.3		≤200
Uranium, total	0.00271	0.02	
Zinc, total	0.0248		≤5
VOCs	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Benzene	< 0.5	5	
Bromodichloromethane	< 1.0	N/A	
Bromoform	< 1.0	N/A	
Carbon tetrachloride	< 0.5	2	
Chlorobenzene	< 1.0		≤30
Chloroethane	< 2.0	N/A	
Chloroform	< 1.0	N/A	

Dibromochloromethane	< 1.0	N/A	
1,2-Dibromoethane	< 0.3	N/A	
Dibromomethane	< 1.0	N/A	
1,2-Dichlorobenzene	< 0.5		≤3
1,3-Dichlorobenzene	< 1.0	N/A	
1,4-Dichlorobenzene	< 1.0		≤1
1,1-Dichloroethane	< 1.0	N/A	
1,2-Dichloroethane	< 1.0	5	
1,1-Dichloroethylene	< 1.0	14	
cis-1,2-Dichloroethylene	< 1.0	N/A	
trans-1,2-Dichloroethylene	< 1.0	N/A	
1,2-Dichloropropane	< 1.0	N/A	
1,3-Dichloropropene	< 1.0	N/A	
Ethylbenzene	< 1.0		≤1.6
Methyl tert-butyl ether	< 1.0		≤15
Dichloromethane	< 3.0	50	
Styrene	< 1.0	N/A	
1,1,2,2-Tetrachloroethane	< 0.5	N/A	
Tetrachloroethylene	< 1.0	10	
Toluene	< 1.0		≤24
1,1,1-Trichloroethane	< 1.0	N/A	
1,1,2-Trichloroethane	< 1.0	N/A	
Trichloroethylene	< 1.0	5	
Trichlorofluoromethane	< 1.0	N/A	
Vinyl chloride	< 1.0	2	
Xylenes (total)	< 2.0		≤20