

Well #2 Water Quality 2018

Water System:	Greater Vernon Water
Source:	Groundwater
Sampling Point:	Well #2 (6CC9)
Date of Sample:	7/19/2018

		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	13.8		AO <= 250
Fluoride	0.19	MAC=1.5	
Nitrate (As N)	3.22	MAC=10	
Nitrite (as N)	<0.010	MAC=1	
Sulphate	42		AO <= 500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity, Bicarbonate (as CaCO ₃)	244		AO <= 15
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)	244	N/A	
Colour, True	<5.0	N/A	
Conductivity (EC)	582	NA	
Cyanide, Total	<0.0020	MAC=0.2	
pH	7.74	7.0 - 10.5	
Turbidity	<0.10	<0.1	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness, Total	278	N/A	
Total Dissolved Solids	332		AO <= 500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	<0.0050	no current guideline	≤ 0.1
Antimony, total	<0.00020	0.006	
Arsenic, total	0.00096	0.01	
Barium, total	0.036	1	
Boron, total	0.0224	5	
Cadmium, total	0.000036	0.005	
Calcium, total	79.3	no current guideline	
Chromium, total	<0.00050	0.05	
Cobalt, total	<0.00010	no current guideline	
Copper, total	0.0131		<1
Iron, total	<0.010		<0.30
Lead, total	0.00041	0.01	
Magnesium, total	19.3	no current guideline	
Manganese, total	<0.00020		<0.05
Mercury, total	<0.000010	0.001	
Molybdenum, total	0.00294	no current guideline	
Nickel, total	<0.00040	no current guideline	
Potassium, total	3.69		
Selenium, total	0.00228	0.05	
Sodium, total	0.0025		<200
Uranium, total	0.0025	0.02	
Zinc, total	0.0194		<5

VOCs	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Benzene	<0.5	MAC=5	
Bromodichloromethane	<1.0	N/A	
Bromoform	<1.0	N/A	
Carbon tetrachloride	<0.5	MAC=2	
Chlorobenzene	<1.0		AO<=30
Chloroethane	<2.0	N/A	
Chloroform	<1.0	N/A	
Dibromochloromethane	<1.0	N/A	
1,2-Dibromoethane	<0.2	N/A	
Dibromomethane	<1.0	N/A	
1,2-Dichlorobenzene	<0.5		AO<=3
1,3-Dichlorobenzene	<1.0	N/A	
1,4-Dichlorobenzene	<1.0		AO<=1
1,1-Dichloroethane	<1.0	N/A	
1,2-Dichloroethane	<1.0	MAC=5	
1,1-Dichloroethene	<1.0	MAC=14	
cis-1,2-Dichloroethene	<1.0	N/A	
trans-1,2-Dichloroethene	<1.0	N/A	
1,2-Dichloropropane	<1.0	N/A	
1,3-Dichloropropene	<1.0	N/A	
Ethylbenzene	<1.0		AO<=1.6
Methyl tert-butyl ether	<1.0		AO<=15
Methylene chloride	<3.0	MAC=50	
Styrene	<1.0	N/A	
1,1,1,2-Tetrachloroethane	<0.5	N/A	
Tetrachloroethene	<1.0	MAC=30	
Toluene	<1.0		AO<=24
1,1,1-Trichloroethane	<1.0	N/A	
1,1,2-Trichloroethane	<1.0	N/A	
Trichloroethene	<1.0	MAC=5	
Trichlorofluoromethane	<1.0	N/A	
Vinyl chloride	<1.0	MAC=2	
Xylenes (total)	<2.0		AO<=20