

PRV #2 Water Quality 2019

Water System:	Greater Vernon Water
Source:	Duteau Creek
Facility:	DCWTP
Sampling Point:	PRV #2 (5EE5)
Date of Sample:	7/16/2019



Canadian Drinking Water Guidelines			
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	16.6 ± 0.9		≤250
Fluoride	0.12 ± 0.04	1.5	
Nitrate (As N)	0.022 ± 0.004	10	
Nitrite (as N)	0.018 ± 0.003	1	
Sulphate	16.4 ± 2.0		≤500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity, Bicarbonate (as CaCO ₃)	51.9	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)	51.9 ± 3.1	N/A	
Carbon, Dissolved Organic	3.26 ± 0.48	N/A	
Carbon, Total Organic	3.44 ± 0.42		≤15
Colour, True	< 5.0	N/A	
Conductivity (EC)	185 ± 5	N/A	
Cyanide, Total	< 0.0020	0.2	
Nitrogen, Total Kjeldahl	0.292 ± 0.058	N/A	
pH	7.72 ± 0.02	7.0 - 10.5	
Phosphorus, Total (as P)	0.0052 ± 0.0012	N/A	
Phosphorus, Total Dissolved	0.0027 ± 0.0010	N/A	
Turbidity	0.31 ± 0.06		OG <1
UV Transmittance @ 254nm	89.7 ± 11.8	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness (Total)	62.4	N/A	
Total Dissolved Solids	100		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	0.174 ± 0.035	N/A	OG ≤0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.00050	0.01	
Barium, total	0.0179 ± 0.0023	1	
Boron, total	0.0179 ± 0.0093	5	
Cadmium, total	<0.000010	0.005	
Calcium, total	14.9 ± 2.1	N/A	
Chromium, total	0.00103 ± 0.00054	0.05	
Cobalt, total	< 0.00010	N/A	
Copper, total	0.00474 ± 0.00080	2	<1
Iron, total	0.013 ± 0.016		≤0.30
Lead, total	< 0.00020	0.005	
Magnesium, total	6.10 ± 0.85	N/A	
Manganese, total	0.00288 ± 0.00258	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00142 ± 0.00023	N/A	
Nickel, total	0.00051 ± 0.00041	N/A	
Potassium, total	1.89 ± 0.30	N/A	
Selenium, total	< 0.00050	0.05	
Sodium, total	12.8 ± 2.4		≤200
Strontium, total	0.146 ± 0.018	N/A	
Uranium, total	0.000876 ± 0.000106	0.02	
Zinc, total	0.0053 ± 0.0049		≤5