

## PRV #2 Water Quality 2021

**Water System:** Greater Vernon Water  
**Source:** Duteau Creek  
**Facility:** DCWTP  
**Sampling Point:** PRV #2 (5EE5)  
**Date of Sample:** 1/19/2021



**REGIONAL DISTRICT  
NORTH OKANAGAN**

		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	16.8		≤250
Fluoride	< 0.10	<1.5	
Nitrate (As N)	0.073	<10 mg/L as N	
Nitrite (as N)	< 0.010	<1 mg/L as N	
Sulphate	3.9		<500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity, Total (as CaCO <sub>3</sub> )	16.5	N/A	
Alkalinity, Phenolphthalein (as CaCO <sub>3</sub> )	< 1.0	N/A	
Alkalinity, Bicarbonate (as CaCO <sub>3</sub> )	16.5	N/A	
Alkalinity, Carbonate (as CaCO <sub>3</sub> )	< 1.0	N/A	
Alkalinity, Hydroxide (as CaCO <sub>3</sub> )	< 1.0	N/A	
Carbon, Total Organic	3.76	N/A	
Carbon, Dissolved Organic	3.56	N/A	
Colour, True	< 5.0		≤15
Conductivity (EC)	109	N/A	
Cyanide, Total	< 0.0020	<0.2	
Nitrogen, Total Kjeldahl	0.296	N/A	
pH	7.14	7.0-10.5	
Phosphorus, total (as P)	0.382	N/A	
Phosphorus, Total Dissolved	0.298	N/A	
Turbidity	0.32	<1.0	
UV Transmittance @ 254 nm - Unfiltered	88.5	N/A	
UV Transmittance @ 254 nm	90.2	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness, Total (as CaCO <sub>3</sub> )	24.9	N/A	
Solids, Total Dissolved	79		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	0.301	2.9 (proposed)	
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.00050	0.01	
Barium, total	0.0131	1	
Boron, total	< 0.0500	5	
Cadmium, total	< 0.000010	0.005	
Calcium, total	6.75	N/A	
Chromium, total	< 0.00050	0.05	
Cobalt, total	< 0.00010	0.001	
Copper, total	0.00182	2	
Iron, total	0.01		<0.30
Lead, total	< 0.00020	0.005	
Magnesium, total	1.95	N/A	
Manganese, total	0.00246	0.12	<0.05
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00027	0.25	
Nickel, total	< 0.00040	0.08	
Potassium, total	0.99	N/A	
Selenium, total	< 0.00050	0.05	
Sodium, total	9.36		≤200
Strontium, total	0.043	7	
Uranium, total	< 0.000020	0.02	
Zinc, total	0.329		≤5