

## PRV #2 Water Quality 2022

Water System: Greater Vernon Water  
 Source: Duteau Creek  
 Facility: DCWTP  
 Sampling Point: PRV #2 (5EE5)  
 Date of Sample: 1/25/2022



**REGIONAL DISTRICT  
NORTH OKANAGAN**

Canadian Drinking Water Guidelines			
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	19.3		≤250
Fluoride	<0.10	<1.5	
Nitrate (As N)	0.085	<10 mg/L as N	
Nitrite (as N)	< 0.010	<1 mg/L as N	
Sulphate	7.0		<500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity, Total (as CaCO3)	20.3	N/A	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	
Alkalinity, Bicarbonate (as CaCO3)	20.3	N/A	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	
Carbon, Total Organic	3.23	N/A	
Carbon, Dissolved Organic	3.19	N/A	
Colour, True	< 5.0		≤15
Conductivity (EC)	116	N/A	
Cyanide, Total	< 0.0020	<0.2	
Nitrogen, Total Kjeldahl	0.082	N/A	
pH	6.84	7.0-10.5	
Phosphorus, total (as P)	0.399	N/A	
Phosphorus, Total Dissolved	0.333	N/A	
Turbidity	0.30	<1.0	
UV Transmittance @ 254 nm - Unfiltered	90.1	N/A	
UV Transmittance @ 254 nm	91.1	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness, Total (as CaCO3)	28.7	N/A	
Solids, Total Dissolved	50		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	0.226	2.9 (proposed)	
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.00050	0.01	
Barium, total	0.0153	1	
Boron, total	< 0.0500	5	
Cadmium, total	< 0.000010	0.005	
Calcium, total	8.22	N/A	
Chromium, total	< 0.00050	0.05	
Cobalt, total	< 0.00010	0.001	
Copper, total	0.00306	2	
Iron, total	0.018		<0.30
Lead, total	< 0.00020	0.005	
Magnesium, total	1.98	N/A	
Manganese, total	0.00186	0.12	<0.05
Mercury, total	<0.000040	0.001	
Molybdenum, total	0.00029	0.25	
Nickel, total	0.0005	0.08	
Potassium, total	0.98	N/A	
Selenium, total	< 0.00050	0.05	
Sodium, total	10.6		≤200
Strontium, total	0.0518	7	
Uranium, total	< 0.000020	0.02	
Zinc, total	0.342		≤5

*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  
 "d" = less than number shown (Detected)  
 "b" = greater than number shown (Detected)  
 \* Criteria Exceeded*