

PRV #2 Water Quality 2020

Water System:	Greater Vernon Water
Source:	Duteau Creek
Facility:	DCWTP
Sampling Point:	PRV #2 (5EE5)
Date of Sample:	7/14/2020



**REGIONAL DISTRICT
NORTH OKANAGAN**

		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Chloride	20.8		≤250
Fluoride	< 0.10	1.5	
Nitrate (As N)	0.016	5x10 enclosed trailer	
Nitrite (as N)	< 0.010	1	
Sulphate	3.1		≤500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Alkalinity, Bicarbonate (as CaCO ₃)	17.6	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)	17.6	N/A	
Carbon, Total Organic	4.18	N/A	≤15 TCU
Colour, True	< 5.0	N/A	
Conductivity (EC)	113	N/A	
Cyanide, Total	< 0.0020	0.2	
Nitrogen, Total Kjeldahl	0.091	N/A	
pH	7.39	N/A	7.0 - 10.5
Phosphorus, Total (as P)	0.0092	N/A	
Phosphorus, Total Dissolved	0.0068	N/A	
Turbidity	0.54		OG <1
UV Transmittance @ 254nm - Unfiltered	87.8		
UV Transmittance @ 254nm	89.2	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Hardness (Total)	23	N/A	
Total Dissolved Solids	81		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Aluminum, total	0.415	N/A	OG ≤0.1
Antimony, total	< 0.00020	0.006	
Arsenic, total	< 0.00050	0.01	
Barium, total	0.0124	1	
Boron, total	<0.0500	5	
Cadmium, total	<0.000010	0.005	
Calcium, total	6.67	N/A	
Chromium, total	<0.00050	0.05	
Cobalt, total	< 0.00010	N/A	
Copper, total	0.00251	2	<1
Iron, total	0.025	N/A	≤0.30
Lead, total	< 0.00020	0.005	
Magnesium, total	1.52	N/A	
Manganese, total	0.0141	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00024	N/A	
Nickel, total	0.00060	N/A	
Potassium, total	1.05	N/A	
Selenium, total	< 0.00050	N/A	
Sodium, total	12.1	N/A	≤200
Strontium, total	0.0440	7	
Uranium, total	<0.000020	0.02	
Zinc, total	0.0070	N/A	≤5