

Allenby PS Water Quality 2021

Water System: Greater Vernon Water

Source: Kalamalka Lake

Facility: MHWTP

Sampling Point: Allenby PS (280F5)

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) Operational Guideline (OG)
Chloride	13.8		≤250
Fluoride	0.40	1.5	
Nitrate (As N)	0.112	10	
Nitrite (as N)	<0.010	1	
Sulphate	54.2		≤500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Alkalinity, Bicarbonate (as CaCO ₃)	184	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)	184	N/A	
Carbon, Dissolved Organic	3.32	N/A	
Carbon, Total Organic	3.58	N/A	
Colour, True	< 5.0		≤15
Conductivity (EC)	387	N/A	
Cyanide, Total	< 0.0020	0.2	
Nitrogen, Total Kjeldahl	0.191	N/A	
pH	8.05	7.0 - 10.5	
Phosphorus, Total (as P)	0.0169	N/A	
Phosphorus, Total Dissolved	0.0142	N/A	
Turbidity	0.29		OG <1
UV Transmittance @254nm	92.4	N/A	
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Hardness (Total)	169	N/A	
Total Dissolved Solids	262		≤500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO) Operational Guideline (OG)
Aluminum, total	0.0136	N/A	≤ 0.1
Antimony, total	<0.00020	0.006	
Arsenic, total	0.00099	0.01	
Barium, total	0.0296	2	
Boron, total	< 0.0500	5	
Cadmium, total	< 0.000010	0.005	
Calcium, total	36.9	N/A	
Chromium, total	< 0.00050	0.05	
Cobalt, total	< 0.00010	N/A	
Copper, total	0.0130	2	<1
Iron, total	< 0.010		≤0.30
Lead, total	< 0.00020	0.005	
Magnesium, total	18.6	N/A	
Manganese, total	< 0.00020	0.12	≤0.02
Mercury, total	< 0.000010	0.001	
Molybdenum, total	0.00509	N/A	
Nickel, total	< 0.00040	N/A	
Potassium, total	5.39	N/A	
Selenium, total	0.00101	0.05	
Sodium, total	20.1		≤200
Uranium, total	0.00322	0.02	
Zinc, total	0.0168		≤5