

Delcliffe Raw Water Quality 2018

Water System:	Greater Vernon Water
Source:	Okanagan Lake
Facility:	Delcliffe Raw
Sampling Point:	Delcliffe Raw (3272D)
Date of Sample:	9/24/2018

		Canadian Drinking Water Guidelines	
Anions	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Chloride	4.91		AO <=250
Fluoride	0.26	MAC=1.5	
Nitrate (As N)	<0.010	MAC=10	
Nitrite (as N)	<0.010	MAC=1	
Sulphate	29.3		AO <=500
General Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Alkalinity, Bicarbonate (as CaCO3)	109	N/A	
Alkalinity, Carbonate (as CaCO3)	<1.0	N/A	
Alkalinity, Hydroxide (as CaCO3)	<1.0	N/A	
Alkalinity, Phenolphthalein (as CaCO3)	<1.0	N/A	
Alkalinity, Total (as CaCO3)	109	N/A	
Carbon, Dissolved Organic	4.86	N/A	
Carbon, Total Organic	5.49	N/A	
Chlorophyll a	2.69	N/A	
Colour, True	6.2		AO <=15
Conductivity (EC)	280	N/A	
Cyanide, Total	<0.0020	MAC=0.2	
Nitrogen, Total Kjeldahl	0.248	N/A	
pH	7.96	7.0 - 10.5	
Phosphorus, Total (as P)	0.0077	N/A	
Phosphorus, Total Dissolved	0.0074	N/A	
Turbidity	0.68		OG <0.1
Calculated Parameters	Results (mg/L)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Hardness, Total	123	N/A	
Total Dissolved Solids	158		AO <=500
Total Metals	Results (mg/L unless noted)	Maximum Acceptable Concentration (MAC)	Aesthetic Objective (AO)
Aluminum, total	0.029	no current guideline	≤ 0.1
Antimony, total	<0.00020	0.006	
Arsenic, total	0.00056	0.01	
Barium, total	0.0227	1	
Boron, total	0.0131	5	
Cadmium, total	<0.000010	0.005	
Calcium, total	33.5	no current guideline	
Chromium, total	<0.00050	0.05	
Cobalt, total	<0.00010	no current guideline	
Copper, total	0.00339		<1
Iron, total	0.012		<0.30
Lead, total	0.00038	0.01	
Magnesium, total	9.56	no current guideline	
Manganese, total	0.00096		<0.05
Mercury, total	<0.000010	0.001	
Molybdenum, total	0.00353	no current guideline	
Nickel, total	0.00098	no current guideline	
Phosphorus, total	0.0077	no current guideline	
Potassium, total	2.57		
Selenium, total	<0.00050	0.05	
Sodium, total	11.5		<200
Uranium, total	0.00255	0.02	
Zinc, total	0.0198		<5