

CDWG=Canadian Drinking Water Guidelines

OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration

AO=Aesthetic Objective

Orange font indicates non-compliance with the Aesthetic Objective in the Canadian Drinking Water Guidelines (CDWG)
Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG

	Units	CDWG		October 25 2018	October 3 2019	October 21 2020
Miscellaneous Inorganics						
Fluoride	mg/L	1.5	MAC	0.033	<0.05	<0.05
Alkalinity (total as CaCO ₃)	mg/L			42.8	41	36
Anions						
Dissolved Sulphate	mg/L	500	AO	<1.0	<1.0	<1
Dissolved Chloride	mg/L	250	AO	3	8.8	5.5
Nitrite	mg/L	1	MAC	<0.0050	<0.005	<0.005
Miscellaneous						
Apparent Colour	Colour Unit			15	15	80
Tannins & Lignins	mg/L			0.43	0.35	1.25
Nutrients						
Total Ammonia	mg/L			<0.020	0.06	<0.015
Physical Properties						
Conductivity	µS/cm			93	110	96
pH	pH	7.0:10.5	OG	7.74	7.55	7.02
TDS	mg/L	500	AO	72	78	94
Turbidity	NTU			0.17	0.15	0.28
Microbiological Parameters						
E.coli	MPN/100mL	<1	MAC	1	0	0
Total Coliforms	MPN/100mL	<1	MAC	34	170	24
Calculated Parameters						
Total Hardness (CaCO ₃)	mg/L			41	44.6	41.5
Nitrate	mg/L	10	MAC	<0.020	0.06	0.123
Elements						
Total Mercury	mg/L	0.001	MAC	0.0000077	<0.000002	0.0000028
Total Metals						
Total Aluminum	mg/L	0.1	OG	0.0162	0.0143	0.0464
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0006
Total Arsenic	mg/L	0.01	MAC	<0.0001	<0.0001	0.000169
Total Barium	mg/L	2	MAC	<0.001	<0.001	0.000794
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	<0.050	<0.05	<0.05
Total Cadmium	mg/L	0.007	MAC	<0.00001	<0.00001	0.0000066
Total Chromium	mg/L	0.05	MAC	<0.001	0.0011	0.00071
Total Cobalt	mg/L			<0.0002	<0.0002	0.00004
Total Copper	mg/L	1	AO	0.00206	0.0017	0.0036
Total Iron	mg/L	0.3	AO	0.0395	0.0494	0.128
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	0.000222
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0019	0.0021	0.00848
Total Molybdenum	mg/L			<0.001	<0.001	0.000173
Total Nickel	mg/L			<0.001	<0.001	0.00029
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	0.000045
Total Silicon	mg/L			8.9	8.8	8.9
Total Silver	mg/L			<0.00002	<0.00002	<0.000010
Total Strontium	mg/L			0.024	0.027	0.0271
Total Thallium	mg/L			<0.00001	<0.00001	<0.000002
Total Tin	mg/L			<0.005	<0.005	<0.0002
Total Titanium	mg/L			<0.005	<0.005	<0.002
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.000005
Total Vanadium	mg/L			<0.005	<0.005	0.00164
Total Zinc	mg/L	5	AO	<0.005	<0.005	0.006
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			10.9	11.7	10.9
Total Magnesium	mg/L			3.35	3.71	3.46
Total Potassium	mg/L			0.139	0.173	0.601
Total Sodium	mg/L	200	AO	3.22	3.59	3.65
Total Sulphur	mg/L			<3.0	<3.0	<0.6