

CDWG=Canadian Drinking Water Guidelines

MAC=Maximum Acceptable Concentration

OG= Operational Guidance Value

AO=Aesthetic Objective

Green font indicates a value flagged for operational consideration

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		November 24 2022	October 12 2023	
Miscellaneous Inorganics						
Fluoride	mg/L	1.5	MAC	<0.05	<0.05	
Alkalinity (total as CaCO)	mg/L			32	33	
Anions						
Dissolved Sulphate	mg/L	500	AO	<1.0	<1	
Dissolved Chloride	mg/L	250	AO	1.3	<1	
Nitrite	mg/L	1	MAC	<0.005	<0.005	
Miscellaneous						
Apparent Colour	Colour Unit			<5	<5	
Nutrients						
Total Ammonia	mg/L			<0.015	<0.015	
Physical Properties						
Conductivity	µS/cm			63	66	
pH	pH	7.0:10.5	OG	6.84	6.74	
TDS	mg/L	500	AO	52	56	
Turbidity	NTU			0.11	<0.1	
Microbiological Parameters						
E.coli	MPN/100mL	<1	MAC	0	0	
Total Coliforms	MPN/100mL	<1	MAC	0	0	
Calculated Parameters						
Total Hardness (CaCO)	mg/L			25.8	27.5	
Nitrate	mg/L	10	MAC	0.04	0.073	
Elements						
Total Mercury	mg/L	0.001	MAC	<0.0000019	<0.0000019	
Total Metals						
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	
Total Arsenic	mg/L	0.01	MAC	<0.0001	<0.0001	
Total Barium	mg/L	1	MAC	<0.001	<0.001	
Total Beryllium	mg/L			<0.0001	<0.0001	
Total Bismuth	mg/L			<0.001	<0.001	
Total Boron	mg/L	5	MAC	<0.05	<0.05	
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	
Total Cobalt	mg/L			<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.00186	0.00044	
Total Iron	mg/L	0.3	AO	<0.005	<0.005	
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	
Total Manganese	mg/L	0.02 0.12	AO MAC	<0.001	<0.001	
Total Molybdenum	mg/L			<0.001	<0.001	
Total Nickel	mg/L			<0.001	<0.001	
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	
Total Silicon	mg/L			8.97	9.33	
Total Silver	mg/L			<0.00002	<0.00002	
Total Strontium	mg/L			0.0156	0.017	
Total Thallium	mg/L			<0.00001	<0.00001	
Total Tin	mg/L			<0.005	<0.005	
Total Titanium	mg/L			<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	
Total Vanadium	mg/L			<0.005	<0.005	
Total Zinc	mg/L	5	AO	<0.005	<0.005	
Total Zirconium	mg/L			<0.0001	<0.0001	
Total Calcium	mg/L			7.1	7.5	
Total Magnesium	mg/L			1.97	2.13	
Total Potassium	mg/L			0.142	0.141	
Total Sodium	mg/L	200	AO	2	2.03	
Total Sulphur	mg/L			<3	<3	

Notes below about pH (2015) from https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html#_ftn1

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
Treatment-related	pH (2015)	None	7.0-10.5	Not applicable	Not applicable	The control of pH is important to maximize treatment effectiveness, control corrosion and reduce leaching from distribution system and plumbing components.