

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic 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		May 7 2018	May 13 2019	May 21 2020	May 6 2021	May 5 2022	May 25 2023	May 9 2024	May 27 2025
Miscellaneous Inorganics											
Fluoride	mg/L	1.5	MAC	0.11	0.11	0.11	0.096	<0.05	<0.05	<0.05	<0.05
Alkalinity (total as CaCO ₃)	mg/L			127	137	130	140	49	51	48	45
Anions											
Dissolved Sulphate	mg/L	500	AO	27.6	28.4	36	29	3.7	2.9	2.7	3.8
Dissolved Chloride	mg/L	250	AO	11	12	13	14	4.2	4.7	3.7	3.2
Nitrite	mg/L	1	MAC	<0.0050	<0.005	<0.005	<0.005	0.183	<0.005	<0.005	<0.005
Miscellaneous											
Apparent Colour	Colour Unit			20	<2	20	20	<5	<5	<2.0	<2
Nutrients											
Total Ammonia	mg/L			0.028	<0.015	0.061	<0.015	<0.015	<0.015	<0.015	0.65
Physical Properties											
Conductivity	µS/cm			336	354	350	360	120	130	120	110
pH	pH	7.0:10.5	AO	8.12	8.14	8.09	8.16	7.14	7.22	7.35	7.47
TDS	mg/L	500	AO	198	210	210	210	66	72	78	68
Turbidity	NTU			1.37	1.33	1.5	1.1	5	<0.1	<0.1	<0.1
Microbiological Parameters											
E.coli	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	0
Calculated Parameters											
Total Hardness (CaCO ₃)	mg/L			144	154	154	150	49.6	55	49.4	46.9
Nitrate	mg/L	10	MAC	<0.020	<0.02	<0.02	<0.02	0.183	0.289	0.242	0.257
Elements											
Total Mercury	mg/L	0.001	MAC	<0.000002	<0.000002	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019	<0.0000019
Total Metals											
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.003	<0.003	<0.003	<0.03	0.0039	<0.0030
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00050
Total Arsenic	mg/L	0.01	MAC	<0.0001	<0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010
Total Barium	mg/L	1	MAC	0.015	0.0156	0.0163	0.163	0.0186	0.0026	0.0025	0.0027
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Total Boron	mg/L	5	MAC	<0.050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.050
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Total Cobalt	mg/L			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020
Total Copper	mg/L	1	AO	0.00102	0.00119	0.00096	0.00112	0.0135	0.00784	0.01	0.0113
Total Iron	mg/L	0.3	AO	0.123	0.11	0.104	0.0905	0.781	<0.005	0.0053	<0.0050
Total Lead	mg/L	0.01	MAC	<0.0002	<0.0002	<0.0002	<0.0002	0.00154	0.00059	0.0006	0.00081
Total Manganese	mg/L	0.02 0.12	AO MAC	0.127	0.107	0.105	0.124	0.124	<0.001	<0.001	<0.0010
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010
Total Silicon	mg/L			12.5	11.4	11.7	11.7	5.54	6.23	6.2	5.84
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000020
Total Strontium	mg/L			0.146	0.137	0.15	0.153	0.0394	0.0336	0.0315	0.0337
Total Thallium	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.000001	<0.00001	<0.00001	<0.000010
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050
Total Zinc	mg/L	5	AO	<0.005	<0.005	<0.005	<0.005	0.0166	<0.005	<0.005	<0.0050
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010
Total Calcium	mg/L			34.9	37.3	37.5	35.7	15.2	15.4	15	14.4
Total Magnesium	mg/L			13.7	14.7	14.5	14.7	2.83	4.01	2.93	2.65
Total Potassium	mg/L			2.32	2.49	2.5	2.53	0.284	0.17	0.154	0.150
Total Sodium	mg/L	200	AO	11.7	12.2	12	12.3	3.11	3.49	3.3	3.12
Total Sulphur	mg/L			8.8	9.4	9.7	8.8	<3	<3	<3	<3.0

Notes below about Manganese (2019) from: <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/reports-publications/water-quality/guidelines-canadian-drinking-water-quality-summary-table.html>

Type	Parameter (published, reaffirmed)	MAC (mg/L)	Other value (mg/L)	Common sources of parameter in water	Health considerations	Comments
I = Inorganic chemical parameter	Manganese (2019)	0.12	AO: <0.02	Dissolution of naturally- occurring minerals commonly found in soil and rock. Other sources include industrial discharge, mining activities and leaching from landfills.	Health Basis of MAC: Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. Other: Formula-fed infants (where water containing manganese at levels above the MAC is used to prepare formula) may be especially at risk.	AO based on minimizing the occurrence of discoloured water, consumer complaints and staining of laundry.