

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

AO= Aesthetic Objective
MAC= Maximum Acceptable Concentration in the CDWG

Red font indicates non-compliance with the Maximum Acceptable Concentration (MAC) in the CDWG
Orange font indicates non-compliance with the Aesthetic Objective (AO) in the CDWG

	Units	CDWG		May 7 2018	May 15 2019	May 21 2020	May 6 2021	May 5 2022	May 25 2023	May 16 2024	June 6 2025	May 21 2026
Miscellaneous Inorganics												
Fluoride	mg/L	1.5	MAC	0.09	0.087	0.095	0.075	<0.05	0.09	0.07	0.065	0.057
Alkalinity (total as CaCO ₃)	mg/L			124	128	120	130	120	120	130	130	130
Anions												
Dissolved Sulphate	mg/L	500	AO	9.6	8.7	8.3	8.8	1.1	8.1	7.7	8.1	7.9
Dissolved Chloride	mg/L	250	AO	79	84	93	98	78	95	98	99	110
Nitrite	mg/L	1	MAC	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.05	<0.005	<0.05	<0.05
Miscellaneous												
Apparent Colour	Colour Unit			10	<2.0	5	10	<5	<5	15	7.4	5.4
Nutrients												
Total Ammonia	mg/L			<0.020	<0.015	0.016	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Physical Properties												
Conductivity	µS/cm			503	539	540	560	470	580	620	590	600
pH	pH	7.0:10.5	AO	8.17	8.1	8.16	8.13	7.48	8	8.14	8.24	8.06
TDS	mg/L	500	AO	264	290	310	340	300	340	360	360	400
Turbidity	NTU			0.24	0.39	0.25	0.23	<0.1	0.44	0.28	0.57	0.35
Microbiological Parameters												
E.coli	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	0	0
Calculated Parameters												
Total Hardness (CaCO ₃)	mg/L			176	189	184	189	142	201	199	360	188
Nitrate	mg/L	10	MAC	<0.020	<0.02	<0.02	<0.02	0.031	<0.02	<0.02	<0.02	<0.02
Elements												
Total Mercury	mg/L	0.001	MAC	<0.000002	<0.000002	<0.0000019	<0.0000019	<0.0000019	<0.0000019	0.000003	<0.0000019	<0.0000019
Total Metals												
Total Aluminum	mg/L	0.1	OG	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.0030	<0.003	0.007
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00050	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00164	0.0015	0.00164	0.00162	<0.0001	<0.00155	0.00153	0.00155	0.00148
Total Barium	mg/L	1	MAC	0.0305	0.0317	0.0324	0.0339	0.0272	0.0355	0.0344	0.0345	0.0340
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.0001	<0.0001
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.064	0.064	0.069	0.074	<0.05	0.085	0.089	0.074	0.085
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.001	<0.001
Total Cobalt	mg/L			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.00523	0.00437	0.00311	0.00286	0.00518	0.00337	0.00572	0.00426	0.00290
Total Iron	mg/L	0.3	AO	0.0117	0.0201	0.0159	0.0151	0.0383	0.0083	0.0198	0.0210	0.0202
Total Lead	mg/L	0.01	MAC	<0.0002	0.00052	0.00024	0.00021	0.00078	0.00022	0.00038	0.00028	0.00028
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0095	0.0168	0.0106	0.0141	0.0018	0.0284	0.0124	0.0179	0.0178
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	0.0011	<0.001	0.001	<0.0010	0.001	<0.001
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.0001	<0.0001
Total Silicon	mg/L			7.25	6.94	7.11	7	14.1	7.16	6.95	6.45	6.93
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000020	<0.00002	<0.00002
Total Strontium	mg/L			0.389	0.348	0.387	0.399	0.0737	0.427	0.399	0.430	0.434
Total Thallium	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010	<0.00001	<0.00001
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.005	<0.005
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	0.00032	0.00032	0.00034	0.00035	<0.0001	0.00032	0.00033	0.00030	0.00030
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.005	<0.005
Total Zinc	mg/L	5	AO	<0.005	<0.005	<0.005	<0.005	0.0073	<0.005	<0.0050	<0.005	<0.005
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.0001	<0.0001
Total Calcium	mg/L			44.7	48.4	47.5	47.8	36.7	50.9	51.5	48.2	50.1
Total Magnesium	mg/L			15.5	16.5	15.8	16.9	12.2	17.8	17.1	13.9	15.3
Total Potassium	mg/L			1.4	1.5	1.46	1.61	0.502	1.6	1.56	1.54	1.43
Total Sodium	mg/L	200	AO	25.1	27.2	28.7	30.7	32.7	32.4	33.5	29.1	33.6
Total Sulphur	mg/L			<3.0	<3.0	3.2	<3	<3	<3	<3.0	3.1	<3

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.