

CDWG=Canadian Drinking Water Guidelines
OG= Operational Guidance Value

MAC=Maximum Acceptable Concentration
AO= Asthetic Objective.

Red font indicates non-compliance with Canadian Drinking Water Guidelines

	Units	CDWG		October 16 2014	October 27 2015	October 12 2016	September 20 2017	October 29 2018	October 17 2019
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.12	0.086	0.076	0.08	0.09	0.085
Alkalinity (total as CaCO ₃)	mg/L			120	126	122	127	126	130
Anions									
Dissolved Sulphate	mg/L	500	AO	8.1	8.38	8.4	7.8	6.8	7.5
Dissolved Chloride	mg/L	250	AO	34.9	36	44	56	56	67
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.005
Miscellaneous									
Apparent Colour	Colour Unit			<5	10	5	5	5	5
Nutrients									
Total Ammonia	mg/L			0.04	0.062	0.097	0.049	0.045	0.13
Physical Properties									
Conductivity	µS/cm			363	383	402	442	446	460
pH	pH	7.0:10.5	OG	8.1	8.06	8.21	8.23	8.17	8
TDS	mg/L	500	AO	238	220	240	248	266	270
Turbidity	NTU			<0.5	0.12	0.18	0.15	0.18	<0.1
Microbiological Parameters									
E.coli	MPN/100mL	1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	0
Total Coliforms	MPN/100mL	1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	0
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			150	153	155	172	169	168
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	<0.02
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	<0.000002
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.03	<0.003	<0.003	<0.003	<0.003	<0.003
Total Antimony	mg/L	0.006	MAC	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00181	0.00191	0.00178	0.00182	0.00172	0.00163
Total Barium	mg/L	1	MAC	0.0234	0.0248	0.025	0.0263	0.0263	0.0269
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.043	<0.05	<0.050	<0.050	<0.050	<0.05
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.0006	0.00182	0.0009	0.00043	0.00137	0.00043
Total Iron	mg/L	0.3	AO	0.041	0.0145	0.032	0.0058	0.0247	0.0216
Total Lead	mg/L	0.01	MAC	0.0002	0.00028	<0.0002	<0.0002	0.00037	<0.0002
Total Manganese	mg/L	0.02 0.12	AO MAC	0.027	0.029	0.0286	0.0311	0.0311	0.0304
Total Molybdenum	mg/L			0.00127	0.0011	0.0013	0.0012	0.0014	0.0012
Total Nickel	mg/L			<0.0002	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L			6.58	6.73	6.15	7.3	6.9	6.5
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.265	0.289	0.301	0.317	0.315	0.317
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			0.0017	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	0.00032	0.00029	0.00032	0.00032	0.00032	0.00031
Total Vanadium	mg/L			0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.0069	0.0069	0.0095	<0.005	0.0091	0.0052
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			38.2	38.6	38.3	43.1	43.8	43.6
Total Magnesium	mg/L			13.1	13.7	14.4	15.6	14.4	14.4
Total Potassium	mg/L			1.3	1.3	1.28	1.34	1.35	1.36
Total Sodium	mg/L	200	AO	15.3	16.1	16.4	18	17.4	18
Total Sulphur	mg/L				3.8	<3.0	<3.0	<3.0	<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.