

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		Feb 27 2013	April 15 2013	April 8 2014	May 19 2015*	May 10 2016	May 10 2017	May 2 2018	May 23 2019	May 21 2020
<b>Miscellaneous Inorganics</b>												
Fluoride	mg/L	1.5	MAC	0.11	0.17		0.022	0.021	0.027	0.023	<0.02	<0.05
Alkalinity (total as CaCO )	mg/L			100	120		25.1	25.7	25.3	24.7	22.7	21
<b>Anions</b>												
Dissolved Sulphate	mg/L	500	AO	10.7	10.1		1.91	1.95	1.88	2.2	1.2	1.8
Dissolved Chloride	mg/L	250	AO	22.5	14.5		9	6	4.1	5	7.3	5.5
Nitrite	mg/L	1	MAC	<0.05	<0.05		<0.0050	<0.0050	<0.0050	<0.0050		<0.005
<b>Miscellaneous</b>												
Apparent Colour	Colour Unit			420	2000	67	<5	5	10	5	5	5
<b>Nutrients</b>												
Total Ammonia	mg/L			0.02	0.05		0.0071	0.014	0.2	<0.020	<0.015	<0.015
<b>Physical Properties</b>												
Conductivity	µS/cm			294	314		82.9	72.3	66.9	64	72.8	62
pH	pH	6.5-8.5	AO	7	7.3		7.41	7.26	7.43	7.25	7.31	6.92
TDS	mg/L	500	AO	112	242		50	58	26	52	42	36
Turbidity	NTU			45	152	6.1	<0.10	<0.10	0.14	<0.10	<0.1	0.16
<b>Microbiological Parameters</b>												
E.coli	MPN/100mL	1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0	0
Total Coliforms	MPN/100mL	1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0	0
<b>Calculated Parameters</b>												
Total Hardness (CaCO )	mg/L			46	42		29.7	23.6	22.6	20.6	21.2	19.9
Nitrate	mg/L	10	MAC	<0.05	<0.05		0.05	0.05	0.06	0.042		<0.02
<b>Elements</b>												
Total Mercury	mg/L	0.001	MAC	<0.0001	<0.0001		<0.00001	<0.00001	<0.00001	2.1E-06	<0.000002	<0.0000019
<b>Total Metals</b>												
Total Aluminum	mg/L	0.1	OG	1.21	7.19		0.008	0.0104	0.0138	0.0152	0.0094	0.0145
Total Antimony	mg/L	0.006	MAC	0.0002	0.0002		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	0.00045	0.00108		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Barium	mg/L	1	MAC	0.0425	0.116		0.0035	0.0031	0.0034	0.0027	0.0027	0.0024
Total Beryllium	mg/L			0.00009	0.00023		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.0001	<0.0001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	0.065	0.14		<0.05	<0.05	<0.050	<0.050	<0.05	<0.05
Total Cadmium	mg/L	0.005	MAC	0.00001	0.00002		<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	0.0017	0.0095		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Cobalt	mg/L			0.0008	0.0033		<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.0495	0.0342		0.0026	0.00332	0.00428	0.00516	0.0045	0.00454
Total Iron	mg/L	0.3	AO	1.9	7.41	1.3	0.016	0.0147	0.0185	0.0147	0.0117	0.0134
Total Lead	mg/L	0.01	MAC	0.0026	0.0052		0.00183	0.00053	0.0006	0.00089	0.00115	0.00065
Total Manganese	mg/L	0.02 0.12	AO MAC	0.233	0.314	0.59	0.0052	0.0034	0.0016	<0.001	0.0014	<0.001
Total Molybdenum	mg/L			0.00017	0.00059		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L			0.0014	0.0087		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	0.0002	0.0012		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L			13.1	40.3		3.7	3.46	3.56	3.07	3.36	3.16
Total Silver	mg/L			<0.00005	<0.00005		<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.15	0.111		0.0372	0.032	0.0304	0.0273	0.0316	0.0263
Total Thallium	mg/L			<0.00001	0.00003		<0.00005	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			0.0004	0.0008		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			0.0963	0.586		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	0.00007	0.00022		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			0.0036	0.0198		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.0371	0.0638		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zirconium	mg/L						<0.0005	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			12.3	9.1		9.87	7.6	7.38	6.55	6.84	6.43
Total Magnesium	mg/L			3.81	4.57		1.23	1.13	1.03	1.04	1	0.928
Total Potassium	mg/L			0.5	2.5		0.212	0.197	0.194	0.189	0.184	0.181
Total Sodium	mg/L	200	AO	47.6	69.8		4.52	4.4	4.15	4.34	4.09	4.12
Total Sulphur	mg/L						<3.0	<3.0	<3.0	<3.0	<3	<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.	<b>Health Basis of MAC:</b> Effects on neurological development and behaviour; deficits in memory, attention, and motor skills. <b>Other:</b> 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.