

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 13 2014	March 25 2015	May 19 2015	May 10 2016	May 8 2017	May 7 2018	May 13 2019	May 21 2020
Miscellaneous Inorganics											
Fluoride	mg/L	1.5	MAC	<0.05	0.015	0.034	0.026	0.026	0.025	0.022	<0.05
Alkalinity (total as CaCO ₃)	mg/L			28	21.5	32	32.7	31.1	27.1	29.1	26
Anions											
Dissolved Sulphate	mg/L	500	AO	3.2	3.23	2.76	2.91	2.82	3.9	3	4.2
Dissolved Chloride	mg/L	250	AO	18.7	18	12	12	12	12	21	23
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.005	<0.005
Miscellaneous											
Apparent Colour	Colour Unit			<5	<5	<5	10	10	10	<2	5
Nutrients											
Total Ammonia	mg/L			<0.02	0.0059	0.0057	0.0096	0.12	<0.020	<0.015	0.041
Physical Properties											
Conductivity	µS/cm			131	114	111	105	105	103	136	140
pH	pH	7.0:10.5	AO	6.9	7.03	7.67	7.56	7.62	7.53	6.99	7.13
TDS	mg/L	500	AO	102	84	80	52	80	56	100	100
Turbidity	NTU			<0.5	0.27	0.17	0.14	0.19	0.17	0.22	0.12
Microbiological Parameters											
E.coli	MPN/100mL	<1	MAC	<1.0	<2	<1.0	<1.0	<1.0	<1.0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<2	<1.0	<1.0	<1.0	<1.0	0	0
Calculated Parameters											
Total Hardness (CaCO ₃)	mg/L			43	35.2	40.8	34.4	42.9	35.7	47.1	41
Nitrate	mg/L	10	MAC	0.09	0.076	0.066	0.072	0.071	0.067	0.056	0.07
Elements											
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	<0.000002	<0.0000019
Total Metals											
Total Aluminum	mg/L	0.1	OG	0.304	0.385	0.302	0.126	0.256	0.123	0.026	0.0865
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Total Arsenic	mg/L	0.01	MAC	<0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Barium	mg/L	1	MAC	0.00141	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Beryllium	mg/L			<0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Bismuth	mg/L			<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Boron	mg/L	5	MAC	<0.010	<0.05	<0.050	<0.050	<0.050	<0.050	<0.05	<0.05
Total Cadmium	mg/L	0.005	MAC	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Total Chromium	mg/L	0.05	MAC	<0.0025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Cobalt	mg/L			<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.01	0.0007	0.00983	0.0059	0.00521	0.00931	0.00493	0.00704
Total Iron	mg/L	0.3	AO	0.044	0.017	0.0245	<0.005	0.0114	0.0079	<0.005	0.0071
Total Lead	mg/L	0.01	MAC	0.0014	<0.0002	0.00051	0.00021	0.00028	0.00095	0.00025	0.00044
Total Manganese	mg/L	0.02 0.12	AO MAC	<0.0050	0.0047	0.0031	0.0023	0.0028	0.0024	0.0018	0.0038
Total Molybdenum	mg/L			<0.00025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L			<0.0010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Total Selenium	mg/L	0.05	MAC	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Silicon	mg/L			8.82	8.65	9.43	8.96	10.4	8.55	8.01	8.25
Total Silver	mg/L			<0.00025	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.0239	0.0203	0.0231	0.0215	0.0233	0.0229	0.0288	0.0272
Total Thallium	mg/L			<0.00005	<0.00005	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.0025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			0.0008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.024	<0.005	0.0084	<0.005	0.0062	0.0056	<0.005	<0.005
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0005	<0.0001	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			12	9.29	11.2	9.01	11.5	9.52	12.6	10.9
Total Magnesium	mg/L			3.06	2.93	3.13	2.88	3.42	2.9	3.81	3.36
Total Potassium	mg/L			<0.5	0.127	0.137	0.134	0.233	0.173	0.216	0.413
Total Sodium	mg/L	200	AO	9.4	7.08	6.14	6.07	6.95	5.75	6.19	7.66
Total Sulphur	mg/L					<3.0	<3.0	<3.0	<3.0	<3	<3