

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 3 2019
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	<0.05	0.025	0.015	0.023	0.02	<0.05
Alkalinity (total as CaCO ₃)	mg/L			24	25.4	25.5	23.8	24.6	22
Anions									
Dissolved Sulphate	mg/L	500	AO	2.1	1.99	2	1.7	1.6	1.7
Dissolved Chloride	mg/L	250	AO	17	11	15	13	16	15
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	<0.005
Miscellaneous									
Apparent Colour	Colour Unit			<5	5	<5.0	5	5	5
Nutrients									
Total Ammonia	mg/L			<0.02	0.011	0.081	<0.020	<0.020	0.084
Physical Properties									
Conductivity	µS/cm			111	93.2	102	91.4	106	100
pH	pH	7.0:10.5	OG	6.6	7.23	7.31	7.59	7.42	6.93
TDS	mg/L	500	AO	96	74	64	54	72	66
Turbidity	NTU			<0.5	<0.10	0.16	0.14	0.13	<0.10
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	2	5.3	6.4	14	<1.0	4.2
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			37	30.2	32.2	29.9	35.1	30.8
Nitrate	mg/L	10	MAC	0.14	0.097	0.149	0.090	0.090	0.114
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	0.006	0.0044	0.0058	0.008	0.008	0.0043
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	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Barium	mg/L	1	MAC	0.00628	0.0052	0.0055	0.005	0.0052	0.005
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	0.015	<0.050	<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	0.0026	0.00524	0.00634	0.00185	0.0106	0.00065
Total Iron	mg/L	0.3	AO	0.01	0.0086	0.0065	0.0104	0.0289	0.0083
Total Lead	mg/L	0.01	MAC	0.0005	0.00093	0.00092	0.00065	0.00129	<0.0002
Total Manganese	mg/L	0.05	AO	<0.0010	0.0011	<0.001	<0.001	0.0036	<0.001
Total Molybdenum	mg/L			<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
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			2.82	3.01	3.02	3.48	2.81	2.5
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.0496	0.0391	0.0489	0.042	0.0476	0.0418
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			0.0003	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			0.0007	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.0028	0.0052	<0.005	<0.005	0.0072	<0.005
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			12.3	9.95	10.4	9.75	11.5	10.1
Total Magnesium	mg/L			1.56	1.31	1.54	1.35	1.56	1.38
Total Potassium	mg/L			0.2	0.224	0.213	0.194	0.207	0.192
Total Sodium	mg/L	200	AO	6	5.26	5.82	4.64	4.99	5.1
Total Sulphur	mg/L				<3.0	<3.0	<3.0	<3.0	<3
UVT	%T/cm					97.0	>97.7	97.4	

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Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	<0.05	0.02	0.015	0.026	0.021	<0.05
Alkalinity (total as CaCO ₃)	mg/L			24	23.9	22.1	24	22.4	21
Anions									
Dissolved Sulphate	mg/L	500	AO	1.8	1.7	1.8	1.7	1.4	1.5
Dissolved Chloride	mg/L	250	AO	16	12	16	12	14	14
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			<0.02	0.011	0.084	<0.020	<0.020	0.064
Physical Properties									
Conductivity	µS/cm			110	93.1	100	91.3	96	96
pH	pH	7.0:10.5	OG	6.5	7.18	7.21	7.66	7.39	6.97
TDS	mg/L	500	AO	96	66	70	66	58	70
Turbidity	NTU			<0.5	0.11	0.17	0.25	0.25	<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	5.3	<1.0	<1.0	0
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			37	29.5	31.1	30.3	31.9	29
Nitrate	mg/L	10	MAC	0.12	0.102	0.229	0.111	0.113	0.135
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	0.0000048	<0.000002
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.006	0.0057	0.0069	0.0067	0.0083	0.0045
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	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Barium	mg/L	1	MAC	0.00377	0.0033	0.0034	0.0028	0.0032	0.0031
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	0.013	<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	0.0027	0.00494	0.00623	0.00153	0.0103	0.00085
Total Iron	mg/L	0.3	AO	0.02	0.0201	0.0218	0.026	0.0206	0.0151
Total Lead	mg/L	0.01	MAC	0.0005	0.00078	0.0007	0.00053	0.00071	<0.0002
Total Manganese	mg/L	0.05	AO	0.0146	0.0097	0.0077	0.0092	0.0022	0.0024
Total Molybdenum	mg/L			<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
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			3.62	3.69	3.37	4.05	3.31	2.96
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.0497	0.0386	0.047	0.0414	0.0436	0.0382
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	<0.00001
Total Tin	mg/L			0.0004	<0.005	<0.005	<0.005	<0.005	<0.005
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium	mg/L	0.02	MAC	<0.00001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			0.0006	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.0022	<0.005	<0.005	<0.005	0.0097	<0.005
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	<0.0001
Total Calcium	mg/L			12.2	9.52	9.83	9.73	10.5	9.37
Total Magnesium	mg/L			1.67	1.39	1.6	1.47	1.41	1.36
Total Potassium	mg/L			0.3	0.335	0.339	0.285	0.31	0.287
Total Sodium	mg/L	200	AO	5.6	5.1	5.54	4.7	4.55	4.91
Total Sulphur	mg/L				<3.0	<3.0	<3.0	<3.0	<3.0
UVT	%T/cm					97.2	97.5	97.4	