

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 29 2014	October 26 2015	October 12 2016	September 18 2017	October 25 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	<0.05	0.023	0.02	0.026	0.023	
Alkalinity (total as CaCO ₃)	mg/L			48	52.4	53.2	55.3	53.4	
Anions									
Dissolved Sulphate	mg/L	500	AO	5.1	6.13	7.7	6.2	4.8	
Dissolved Chloride	mg/L	250	AO	44.8	20	17	14	11	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			<5	5	<5	5	5	
Nutrients									
Total Ammonia	mg/L			<0.02	0.025	0.046	<0.020	<0.020	
Physical Properties									
Conductivity	µS/cm			256	187	177	170	149	
pH	pH	7.0:10.5	OG	6.6	7.81	7.68	7.56	7.75	
TDS	mg/L	500	AO	186	98	112	120	94	
Turbidity	NTU			<0.5	0.12	0.11	0.23	<0.10	
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0	<1.0	<1.0	
Total Coliforms	MPN/100mL	<1	MAC	1	5.3	5.3	17	<1.0	
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			100	71.6	67.8	64.6	60.6	
Nitrate	mg/L	10	MAC	0.64	0.471	0.52	0.519	0.525	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	0.0000053	
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.012	<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	
Total Arsenic	mg/L	0.01	MAC	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Barium	mg/L	1	MAC	0.00076	<0.001	<0.001	<0.001	<0.001	
Total Beryllium	mg/L			<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	
Total Bismuth	mg/L			<0.0001	<0.001	<0.001	<0.001	<0.001	
Total Boron	mg/L	5	MAC	0.015	<0.050	<0.050	<0.050	<0.050	
Total Cadmium	mg/L	0.005	MAC	<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	
Total Cobalt	mg/L			<0.0001	<0.0005	<0.0005	<0.0002	<0.0002	
Total Copper	mg/L	1	AO	0.0032	0.00399	0.00325	0.00235	0.00339	
Total Iron	mg/L	0.3	AO	0.031	0.011	0.0064	0.0072	0.0067	
Total Lead	mg/L	0.01	MAC	0.0002	0.00026	0.00022	<0.0002	0.00044	
Total Manganese	mg/L	0.05	AO	<0.0010	<0.001	<0.001	<0.001	<0.001	
Total Molybdenum	mg/L			<0.00005	<0.001	<0.001	<0.001	<0.001	
Total Nickel	mg/L			<0.0002	<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	
Total Silicon	mg/L			7.2	8.26	6.76	7.54	7.37	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.0712	0.0467	0.0499	0.0463	0.0429	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			<0.0001	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			<0.0005	<0.005	<0.005	<0.005	<0.005	
Total Uranium	mg/L	0.02	MAC	0.00003	<0.0001	<0.0001	<0.0001	<0.0001	
Total Vanadium	mg/L			0.0005	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0126	0.0064	<0.005	<0.005	<0.005	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			30.6	21.9	19.9	19.4	18.4	
Total Magnesium	mg/L			5.79	4.13	4.42	3.92	3.56	
Total Potassium	mg/L			0.4	0.421	0.403	0.403	0.349	
Total Sodium	mg/L	200	AO	8.2	7.55	6.7	6.25	5.21	
Total Sulphur	mg/L				<3.0	<3.0	<3.0	<3.0	

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	Units	CDWG		October 29 2014	October 26 2015	October 12 2016	Nov. 29 2016*	September 18 2017	October 25 2018
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.06	0.023	0.02		0.023	0.02
Alkalinity (total as CaCO ₃)	mg/L			44	51.2	50.9		56.6	49.6
Anions									
Dissolved Sulphate	mg/L	500	AO	8.2	6.65	10		9.8	5.8
Dissolved Chloride	mg/L	250	AO	77.9	26	25		32	11
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050		<0.0050	<0.0050
Miscellaneous									
Apparent Colour	Colour Unit			<5	5	5		5	<5.0
Nutrients									
Total Ammonia	mg/L			<0.02	0.0087	0.087		<0.020	<0.020
Physical Properties									
Conductivity	µS/cm			382	205	204		243	142
pH	pH	7.0:10.5	OG	6.5	7.85	7.61		7.51	7.51
TDS	mg/L	500	AO	274	106	124		170	74
Turbidity	NTU			<0.5	<0.10	<0.10		<0.10	0.1
Microbiological Parameters									
E.coli	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0		<1.0	<1.0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	<1.0	<1.0		<1.0	<1.0
Calculated Parameters									
Total Hardness (CaCO ₃)	mg/L			130	71.1	66.2		85.2	55.4
Nitrate	mg/L	10	MAC	0.57	0.484	0.467		0.463	0.498
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001		<0.00001	0.0000044
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	0.0081	<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	<0.00005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Barium	mg/L	1	MAC	0.00129	<0.001	<0.001	<0.001	<0.001	<0.001
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	0.019	<0.050	<0.050	<0.050	<0.050	<0.050
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	<0.0005	<0.0002	<0.0002
Total Copper	mg/L	1	AO	0.0077	0.00451	0.154	0.00159	0.00368	0.00277
Total Iron	mg/L	0.3	AO	0.024	0.0127	0.0544	0.0101	0.0087	0.0154
Total Lead	mg/L	0.01	MAC	0.0007	0.00112	0.0168	0.00061	0.00104	0.00073
Total Manganese	mg/L	0.05	AO	0.0014	<0.001	0.0014	<0.001	<0.001	<0.001
Total Molybdenum	mg/L			<0.00005	<0.001	<0.001	<0.001	<0.001	<0.001
Total Nickel	mg/L			0.0003	<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			7.11	7.89	6.42	7.46	7.81	7.03
Total Silver	mg/L			<0.00005	<0.00002	0.00004	<0.00002	<0.00002	<0.00002
Total Strontium	mg/L			0.109	0.0518	0.0554	0.0404	0.0651	0.0409
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00005	<0.00001	<0.00001
Total Tin	mg/L			<0.0001	<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	0.00004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Total Vanadium	mg/L			0.0004	<0.005	<0.005	<0.005	<0.005	<0.005
Total Zinc	mg/L	5	AO	0.0213	0.0255	0.0548	0.006	0.0303	0.0107
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0005	<0.0001	<0.0001
Total Calcium	mg/L			40	21.8	19.7	17.5	26	16.8
Total Magnesium	mg/L			7.35	4.06	4.13	3.51	4.95	3.24
Total Potassium	mg/L			0.6	0.408	0.395	0.321	0.459	0.314
Total Sodium	mg/L	200	AO	22.4	11.4	11.1	7.2	12.1	6.41
Total Sulphur	mg/L				<3.0	<3.0	<3.0	<3.0	<3.0