

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	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.12	0.086	0.076	0.08	0.09	
Alkalinity (total as CaCO ₃)	mg/L			120	126	122	127	126	
Anions									
Dissolved Sulphate	mg/L	500	AO	8.1	8.38	8.4	7.8	6.8	
Dissolved Chloride	mg/L	250	AO	34.9	36	44	56	56	
Nitrite	mg/L	1	MAC	<0.05	<0.0050	<0.0050	<0.0050	<0.0050	
Miscellaneous									
Apparent Colour	Colour Unit			<5	10	5	5	5	
Nutrients									
Total Ammonia	mg/L			0.04	0.062	0.097	0.049	0.045	
Physical Properties									
Conductivity	µS/cm			363	383	402	442	446	
pH	pH	7.0:10.5	OG	8.1	8.06	8.21	8.23	8.17	
TDS	mg/L	500	AO	238	220	240	248	266	
Turbidity	NTU			<0.5	0.12	0.18	0.15	0.18	
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			150	153	155	172	169	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	0.03	<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	0.00181	0.00191	0.00178	0.00182	0.00172	
Total Barium	mg/L	1	MAC	0.0234	0.0248	0.025	0.0263	0.0263	
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	0.043	<0.05	<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	0.0006	0.00182	0.0009	0.00043	0.00137	
Total Iron	mg/L	0.3	AO	0.041	0.0145	0.032	0.0058	0.0247	
Total Lead	mg/L	0.01	MAC	0.0002	0.00028	<0.0002	<0.0002	0.00037	
Total Manganese	mg/L	0.05	AO	0.027	0.029	0.0286	0.0311	0.0311	
Total Molybdenum	mg/L			0.00127	0.0011	0.0013	0.0012	0.0014	
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			6.58	6.73	6.15	7.3	6.9	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.265	0.289	0.301	0.317	0.315	
Total Thallium	mg/L			<0.00001	<0.00005	<0.00005	<0.00001	<0.00001	
Total Tin	mg/L			0.0005	<0.005	<0.005	<0.005	<0.005	
Total Titanium	mg/L			0.0017	<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	
Total Vanadium	mg/L			0.0005	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0069	0.0069	0.0095	<0.005	0.0091	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			38.2	38.6	38.3	43.1	43.8	
Total Magnesium	mg/L			13.1	13.7	14.4	15.6	14.4	
Total Potassium	mg/L			1.3	1.3	1.28	1.34	1.35	
Total Sodium	mg/L	200	AO	15.3	16.1	16.4	18	17.4	
Total Sulphur	mg/L				3.8	<3.0	<3.0	<3.0	

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	Units	CDWG		October 16 2014	October 27 2015	October 12 2016	September 20 2017	October 29 2018	
Miscellaneous Inorganics									
Fluoride	mg/L	1.5	MAC	0.1	0.082	0.075	0.086	0.094	
Alkalinity (total as CaCO ₃)	mg/L			130	129	127	131	129	
Anions									
Dissolved Sulphate	mg/L	500	AO	8.6	8.17	8.9	8.2	7.5	
Dissolved Chloride	mg/L	250	AO	67.6	72	83	84	85	
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			0.05	0.063	0.11	0.067	0.058	
Physical Properties									
Conductivity	µS/cm			491	506	518	543	554	
pH	pH	7.0:10.5	OG	8.1	8.11	8.19	8.26	8.16	
TDS	mg/L	500	AO	300	272	298	302	326	
Turbidity	NTU			0.6	0.17	0.27	0.15	0.35	
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			180	189	181	193	182	
Nitrate	mg/L	10	MAC	<0.05	<0.020	<0.020	<0.020	<0.020	
Elements									
Total Mercury	mg/L	0.001	MAC	<0.00001	<0.00001	<0.00001	<0.00001	<0.000002	
Total Metals									
Total Aluminum	mg/L	0.1	OG	<0.005	<0.003	<0.003	0.0031	<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	0.00146	0.00158	0.00157	0.00168	0.00146	
Total Barium	mg/L	1	MAC	0.0313	0.0319	0.0319	0.0336	0.032	
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	0.049	0.055	0.056	0.067	0.068	
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	0.0005	0.0061	0.00069	0.00087	0.00175	
Total Iron	mg/L	0.3	AO	0.029	0.0207	0.0348	0.0385	0.0477	
Total Lead	mg/L	0.01	MAC	0.0003	0.00096	<0.0002	<0.0002	0.00031	
Total Manganese	mg/L	0.05	AO	0.0469	0.0502	0.0478	0.0535	0.0481	
Total Molybdenum	mg/L			0.00095	<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			6.54	7.31	6.46	7.78	6.97	
Total Silver	mg/L			<0.00005	<0.00002	<0.00002	<0.00002	<0.00002	
Total Strontium	mg/L			0.332	0.349	0.367	0.394	0.357	
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	0.00036	0.00032	0.00035	0.00034	0.00034	
Total Vanadium	mg/L			0.0004	<0.005	<0.005	<0.005	<0.005	
Total Zinc	mg/L	5	AO	0.0037	<0.005	<0.005	<0.005	0.0123	
Total Zirconium	mg/L				<0.0005	<0.0005	<0.0001	<0.0001	
Total Calcium	mg/L			46.2	47.1	45.5	47.4	47.6	
Total Magnesium	mg/L			15.8	17.4	16.3	18.1	15.4	
Total Potassium	mg/L			1.4	1.4	1.43	1.57	1.48	
Total Sodium	mg/L	200	AO	23.5	25.1	27.2	30.8	27.3	
Total Sulphur	mg/L				3.9	<3.0	3.2	3.1	