

Decourcey Distribution (Tap Water) Analysis 2458 Pylades Drive

CDWG=Canadian Drinking Water Guidelines

AO= Aesthetic Objective

OG= Operational Guidance Value

MAC= Maximum Acceptable Concentration in the CDWG

Red font indicates non-compliance with Canadian Drinking Water Guidelines (CDWG)

	Units	CDWG		May 8 2018	May 14 2019	May 20 2020	May 18 2021	May 30 2022	May 31 2023	May 27 2024	June 2 2025
Miscellaneous Inorganics											
Fluoride	mg/L	1.5	MAC	0.14	0.14	0.15	0.13	0.13	0.13	0.11	0.12
Alkalinity (total as CaCO ₃)	mg/L			172	186	170	180	180	170	170	190
Anions											
Dissolved Sulphate	mg/L	500	AO	24.6	23.2	26	27	22	21	22	25
Dissolved Chloride	mg/L	250	AO	85	79	100	130	97	86	83	120
Nitrite	mg/L	1	MAC	<0.0050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.005
Miscellaneous											
Apparent Colour	Colour Unit			10	<2	10	10	<5	<5	<2.0	3.1
Nutrients											
Total Ammonia	mg/L			0.13	<0.015	0.016	<0.015	<0.015	<0.015	<0.015	0.079
Physical Properties											
Conductivity	µS/cm			659	635	700	790	690	660	670	790
pH	pH	7.0:10.5	AO	8.37	8.22	8.07	8.11	8.29	8.09	7.95	8.15
TDS	mg/L	500	AO	332	336	470	390	400	350	360	440
Turbidity	NTU			0.25	0.33	0.27	0.21	0.37	0.31	0.26	0.36
Microbiological Parameters											
E.coli	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	0
Total Coliforms	MPN/100mL	<1	MAC	<1.0	0	0	0	0	0	0	0
Calculated Parameters											
Total Hardness (CaCO ₃)	mg/L			38.3	40	45.2	50.7	47.3	46.4	45.1	52.5
Nitrate	mg/L	10	MAC	0.022	<0.02	0.024	<0.02	0.038	0.064	<0.020	<0.02
Elements											
Total Mercury	mg/L	0.001	MAC	0.0000116	<0.000002	<0.0000019	<0.0000019	<0.0000019	0.0000061	0.0000041	0.0000056
Total Metals											
Total Aluminum	mg/L	0.1	OG	0.006	0.005	<0.003	<0.003	<0.003	0.0042	<0.0030	<0.0030
Total Antimony	mg/L	0.006	MAC	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00050	<0.00050
Total Arsenic	mg/L	0.01	MAC	0.00019	0.00019	0.00016	0.00016	0.00014	0.00015	0.00015	0.00018
Total Barium	mg/L	1	MAC	0.0115	0.0116	0.0126	0.0124	0.0134	0.0135	0.0126	0.0119
Total Beryllium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010
Total Bismuth	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.0010
Total Boron	mg/L	5	MAC	0.103	0.112	0.121	0.113	0.103	0.104	0.113	0.121
Total Cadmium	mg/L	0.005	MAC	<0.00001	<0.00001	<0.00001	<0.00001	0.000021	<0.00001	<0.000010	<0.000010
Total Chromium	mg/L	0.05	MAC	<0.001	<0.001	<0.001	0.0012	<0.001	<0.001	<0.0010	<0.0010
Total Cobalt	mg/L			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020
Total Copper	mg/L	1	AO	0.00318	0.00578	0.00446	0.00631	0.00775	0.00846	0.00834	0.00435
Total Iron	mg/L	0.3	AO	0.0224	0.022	0.0186	0.033	0.0607	0.0653	0.0343	0.0238
Total Lead	mg/L	0.01	MAC	0.00021	0.00023	<0.0002	0.00021	0.00031	0.00037	0.00076	0.00089
Total Lithium	mg/L				0.0163						
Total Manganese	mg/L	0.02 0.12	AO MAC	0.0022	0.0014	<0.001	<0.001	0.0014	<0.001	0.0011	0.0011
Total Molybdenum	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.0010
Total Nickel	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0010	<0.0010
Total Selenium	mg/L	0.05	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010
Total Silicon	mg/L			7.31	7.47	7.72	7.87	8.56	8.2	7.61	7.88
Total Silver	mg/L			<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.000020	<0.000020
Total Strontium	mg/L			0.144	0.154	0.193	0.219	0.192	0.187	0.176	0.232
Total Thallium	mg/L			<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.000010	<0.000010
Total Tin	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050
Total Titanium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050
Total Uranium	mg/L	0.02	MAC	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.00010	<0.00010
Total Vanadium	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050
Total Zinc	mg/L	5	AO	0.0309	0.0473	0.0349	0.0406	0.0533	0.0487	0.0345	0.0277
Total Zirconium	mg/L			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001		<0.00010	<0.00010
Total Calcium	mg/L			11.9	12.3	13.9	15.5	14.6	14.3	14.0	16.0
Total Magnesium	mg/L			2.1	2.27	2.56	2.94	2.61	0.769	2.44	3.04
Total Potassium	mg/L			0.66	0.78	0.836	0.91	0.769	0.769	0.744	0.919
Total Sodium	mg/L	200	AO	110	123	130	136	118	118	120	138
Total Sulphur	mg/L			5.7	8.1	8.6	8.6	8.1	6.7	7.2	9.9