



CONCORD PUBLIC WORKS										
Water/Sewer Division										
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2022 SOURCE WATER QUALITY SUMMARY

PARAMETER	EPA GUIDELINE	NAGOG POND	2ND DIVISION WELL	DEACONESS TREATMENT FACILITY	DEACONESS WELLS	WHITE POND WELLS	JENNIE DUGAN WELL	ROBINSON WELL	HUGH CARGILL WELL	TOWN AVERAGE
pH (average)	No EPA standard	7.0	7.2	7.1	Combined at Deaconess Treatment Facility		7.3	7.2	7.1	7.2
Fluoride (average)	4*	0.7	0.6	0.7	Deaconess Treatment Facility		0.7	0.7	0.7	0.7
Nitrate (NO3-N)	10	0.1	2.2	See Deaconess Well and White Pond Well for individual well results	1.1	0.1	2.7	0.3	1.6	1.2
Nitrite (NO2-N)	1	NT	NT		NT	NT	NT	NT	NT	-
Sodium	No EPA standard	40	42		39	18	45	30	110	46
Hardness	No EPA standard	24	62		79	59	83	108	123	77
Alkalinity	No EPA standard	16	60		85	43	65	65	88	60
Calcium	No EPA standard	7	18.4		23	17	24	30	34	22
Magnesium	No EPA standard	1.8	3.9		5.2	3.8	5.7	8.4	9.4	5.5
Chloride	250	72	79		75	47	95	73	200	92
Copper	1	0.026	0.003		0.047	0.054	0.010	ND	0.005	0.024
Iron	0.30	0.14	0.13		0.14	ND	0.10	0.09	ND	0.12
Manganese	0.050	0.033	0.022		0.006	ND	0.009	0.058	0.004	0.022
Potassium	No EPA standard	6.1	41		51.5	23.8	41.5	30.4	51.2	35.1
Silver	0.1	ND	ND		ND	ND	ND	ND	ND	ND
Sulfate	250	ND	6.29		22.1	14.8	5.24	33.7	26.5	18.1
Total Dissolved Solids	500	146	240		283	188	279	224	456	259
Turbidity	1	0.59	ND		ND	ND	ND	0.12	ND	0.36
Zinc	5	0.047	0.078		0.067	0.065	0.071	0.065	0.017	0.059

Hardness: In 2022 the average hardness level of Concord's drinking water was **77 ppm or 4.5 grains per gallon.**

***As of December 2015, fluoride treatment was decreased from 1.0ppm to 0.7ppm in accordance with the United States Department of Health and Human Services' (HHS) recommendation.**

TERMS AND ABBREVIATIONS

All units measured in **ppm (parts per million)**, also known as **milligrams per liter.**

ND = None Detected

NT = Not Tested

Turbidity: a measurement of the cloudiness of the water.

updated 6/20/2023