



CONCORD PUBLIC WORKS
Water/Sewer Division
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2021 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	NT	7.1	7.3	Combined at Deaconess Treatment Facility		7.1	7.2	7.1	7.2
Fluoride (average)	4*	NT	0.7	0.7	Deaconess Treatment Facility		0.7	0.7	0.7	0.7
Nitrate (NO3-N)	10	NT	2.3	See Deaconess Well and White Pond Well for individual well results	0.9	0.2	2.6	0.4	1.6	1.3
Nitrite (NO2-N)	1	NT	NT		NT	NT	NT	NT	NT	-
Sodium	No EPA standard	NT	NT		NT	NT	NT	NT	NT	-
Hardness	No EPA standard	NT	57		72	55	80	107	123	82
Alkalinity	No EPA standard	NT	55		88	48	65	62.5	90	68
Calcium	No EPA standard	NT	16.6		20	16	23	29	34	23
Magnesium	No EPA standard	NT	3.7		5.2	3.8	5.4	8.3	9.3	6.0
Chloride	250	NT	82		77	46	96	72	220	99
Copper	1	NT	0.002		0.051	0.045	0.016	0.004	0.005	0.020
Iron	0.30	NT	0.13		ND	ND	0.11	0.07	ND	0.10
Manganese	0.050	NT	0.024		ND	ND	0.009	0.056	0.004	0.023
Potassium	No EPA standard	NT	31		47.4	24.7	37.6	26.6	44.5	35.3
Silver	0.1	NT	ND		ND	ND	ND	ND	ND	ND
Sulfate	250	NT	15.1		29.8	17	15	34.9	31.8	23.9
Total Dissolved Solids	500	NT	236		319	173	282	250	500	293
Turbidity	1	NT	ND		ND	ND	ND	ND	0.18	0.18
Zinc	5	NT	0.015		0.047	0.051	0.020	0.044	0.017	0.032

Hardness: In 2021 the average hardness level of Concord's drinking water was **82 ppm or 4.8 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 8/29/2022