



CONCORD PUBLIC WORKS
Water/Sewer Division
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2012 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	7.4	7.1	7.2	Combined at		7.0	7.1	7.1	7.1	
Fluoride (average)	4*	0.8	1.0	1.0	Deaconess Treatment Facility		1.0	1.1	1.0	1.0	
Nitrate (NO3-N)	10	ND	1.6	See Deaconess Well and White Pond Well for individual well results	1.2	0.12	2.1	0.3	1.2	1.1	
Nitrite (NO2-N) **	1	ND	ND		ND	ND	ND	ND	ND	ND	ND
Sodium	No EPA standard	22	24		32	10	34	18	86	32	
Hardness	No EPA standard	12	32		45	29	53	62	79	45	
Alkalinity	No EPA standard	11	42		78	31	55	48	60	46	
Calcium	No EPA standard	5	13		18	11	21	25	32	18	
Magnesium	No EPA standard	1.3	2.9		4.4	2.6	4.9	6.5	9.2	4.5	
Chloride	250	43	43		58	22	71	47	200	69.1	
Copper	1.00	ND	0.00		0.08	0.04	0.03	0.04	0.00	0.03	
Iron	0.30	0.17	0.09		ND	ND	0.09	0.06	ND	0.10	
Manganese	0.05	0.03	0.02		ND	ND	0.01	0.03	0.00	0.02	
Potassium	No EPA standard	2.8	25		38.0	13.0	25.0	18.0	31.0	21.8	
Silver	0.1	ND	ND		ND	ND	ND	ND	ND	ND	
Sulfate	250	ND	6.0		5.7	ND	6.7	43	5.2	13.3	
Total Dissolved Solids	500	140	170		240	91	170	200	380	199	
Turbidity	1.00	0.68	ND		ND	ND	ND	ND	ND	0.68	
Zinc	5.000	0.006	0.044		0.044	0.063	0.038	0.048	0.073	0.045	

Hardness: In 2012 the average hardness level of Concord's drinking water was **44.6 ppm or 2.6 grains per gallon.**

*The Department of Public Health's goal for fluoride is 1.0 ppm.

** Nitrite last sampled in 2011

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.