



Caswell County

Contaminant	Number of wells tested	Minimum	Maximum	Average	<u>Maximum Contaminant Level (MCL)</u> * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromoethane	56	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	58	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	405	0.5	5	1.4	10	µg/L	0	0.00%		
Barium	183	50	50	50	2,000	µg/L	0	0.00%		
Benzene	58	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	183	0.5	2.5	0.5	5	µg/L	0	0.00%		
Chromium	183	5	60	5.4	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	67	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	405	25	7,650.00	123.90	1,300*	µg/L	5	1.24%		
Ethylbenzene	64	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	929	100	3,180.00	454.70	4,000*	µg/L	0	0.00%		
Iron	402	25	26,980.00	957.40	300*	µg/L	139	34.58%		
Isopropyl Ether	56	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	453	2.5	48	4.2	15	µg/L	18	3.97%		
Magnesium	405	50	50	50	No drinking water standard	µg/L				
Manganese	406	15	44,950.00	209.50	50*	µg/L	115	28.33%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	170	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	67	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	283	500	11,160.00	1,228.90	10,000	µg/L	0	0.00%		
Nitrite	288	50	50	50	1,000	µg/L	0	0.00%		
pH	405	5.6	9.5	7.0	6.5-8.5*	standard units	1	0.25%	71	17.53%
Selenium	183	2.5	21	2.6	50	µg/L	0	0.00%		
Silver	183	25	25	25	100*	µg/L	0	0.00%		
Sodium	110	1,000	362,000.00	21,773.60	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	63	0.25	3.3	0.35	5	µg/L	0	0.00%		
Toluene	60	0.25	11.3	0.62	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	67	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	71	0.25	2.8	0.35	5	µg/L	0	0.00%		
Vinyl chloride	67	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	56	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	401	25	11,800.00	640.30	5,000*	µg/L	15	3.74%		

* **Secondary MCL:** Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.⁸ The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.⁸

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