



Stokes County

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
1,2-Dibromoethane	2	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	2	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	391	0.5	13	1.7	10	µg/L	2	0.51%		
Barium	154	50	50	50	2,000	µg/L	0	0.00%		
Benzene	1	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	154	0.5	0.5	0.5	5	µg/L	0	0.00%		
Chromium	154	5	80	5.6	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	17	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	398	25	3,990.00	96.10	1,300*	µg/L	5	1.26%		
Ethylbenzene	4	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	868	100	5,080.00	455.10	4,000*	µg/L	1	0.12%		
Iron	387	25	33,970.00	731.70	300*	µg/L	121	31.27%		
Isopropyl Ether	2	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	506	2.5	49	3.9	15	µg/L	23	4.55%		
Magnesium	391	5,000	5,000.00	5,000.00	No drinking water standard	µg/L				
Manganese	391	15	1,330.00	68.10	50*	µg/L	126	32.23%		

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	131	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	17	0.25	4.5	0.5	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	204	500	17,000.00	1,144.80	10,000	µg/L	0	0.00%		
Nitrite	216	50	50	50	1,000	µg/L	0	0.00%		
pH	391	4.1	9.5	6.9	6.5-8.5*	standard units	1	0.26%	72	18.41%
Selenium	154	2.5	25.3	2.7	50	µg/L	0	0.00%		
Silver	154	25	25	25	100*	µg/L	0	0.00%		
Sodium	129	1,000	236,000.00	14,322.50	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	15	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	4	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	17	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	17	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	17	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	2	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	387	25	2,670.00	96.10	5,000*	µg/L	0	0.00%		

* **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

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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