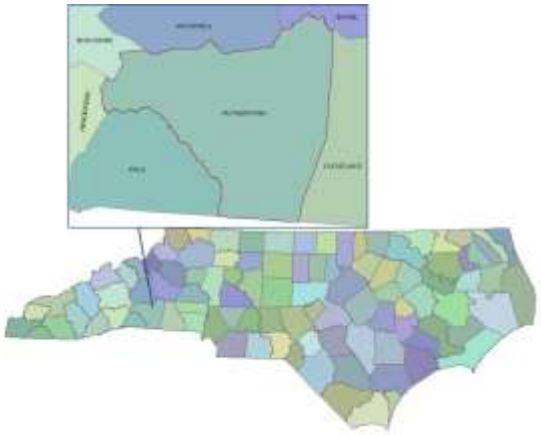

Rutherford County

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	4	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	4	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	330	0.5	23	1.7	10	µg/L	4	1.21%		
Barium	128	50	50	50	2,000	µg/L	0	0.00%		
Benzene	4	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	128	0.5	0.5	0.5	5	µg/L	0	0.00%		
Chromium	128	5	10.5	5.1	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	13	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	330	25	5,510.00	114.30	1,300*	µg/L	6	1.82%		
Ethylbenzene	8	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	871	100	3,210.00	642.20	4,000*	µg/L	0	0.00%		
Iron	322	25	10,000.00	471.60	300*	µg/L	72	22.36%		
Isopropyl Ether	4	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	348	2.5	117	4.6	15	µg/L	14	4.02%		
Magnesium	330	4,500	4,600.00	4,511.50	No drinking water standard	µg/L				
Manganese	330	15	1,230.00	40.10	50*	µg/L	61	18.48%		

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	127	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	13	0.25	93.8	7.45	20* (recommended taste and odor threshold)	µg/L	1	7.69%		
Nitrate	260	500	8,370.00	1,049.80	10,000	µg/L	0	0.00%		
Nitrite	279	50	50	50	1,000	µg/L	0	0.00%		
pH	330	3.9	11.4	7.06	6.5-8.5*	standard units	8	2.42%	59	17.88%
Selenium	128	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	128	25	25	25	100*	µg/L	0	0.00%		
Sodium	123	1,700	363,000.00	22,606.50	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	11	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)	13	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	13	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	13	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	4	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	322	25	8,620.00	167.20	5,000*	µg/L	1	0.31%		

* **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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