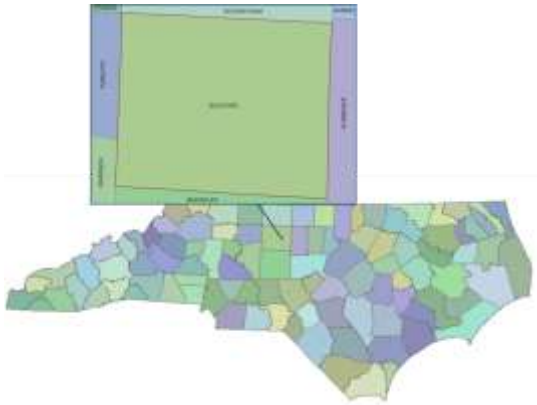

Guilford County

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	214	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	220	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	3,266	0.5	325	1.6	10	µg/L	14	0.43%		
Barium	803	50	50	50	2,000	µg/L	0	0.00%		
Benzene	218	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	808	0.5	17	0.9	5	µg/L	2	0.25%		
Chromium	809	0.5	1,140.00	8.30	100	µg/L	3	0.37%		
cis-1,2-Dichloroethene (c-DCE)	694	0.25	1	0.2511	70	µg/L	0	0.00%		
Copper	3,276	25	28,530.00	103.30	1,300*	µg/L	34	1.04%		
Ethylbenzene	284	0.25	0.6	0.25	700	µg/L	0	0.00%		
Fluoride	6,933	100	4,300.00	270.50	4,000*	µg/L	3	0.04%		
Iron	3,241	25	1,908,000.00	8,302.30	300*	µg/L	700	21.60%		
Isopropyl Ether	220	0.25	6.7	0.32	No drinking water standard	µg/L				
Lead	3,398	2.5	105,440.00	61.40	15	µg/L	175	5.15%		
Magnesium	3,265	1,200	1,400.00	1,313.70	No drinking water standard	µg/L				
Manganese	3,265	15	46,300.00	140.40	50*	µg/L	561	17.18%		

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	596	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	796	0.25	3571	6.28	20* (recommended taste and odor threshold)	µg/L	8	1.01%		
Nitrate	1,923	500	47,570.00	1,687.60	10,000	µg/L	0	0.00%		
Nitrite	1,959	50	50	50	1,000	µg/L	0	0.00%		
pH	3,263	3.9	7.7	6.9	6.5-8.5*	standard units	14	0.43%	623	19.09%
Selenium	786	2.5	11	2.5	50	µg/L	0	0.00%		
Silver	694	25	25	25	100*	µg/L	0	0.00%		
Sodium	523	500	1,505,000.00	23,764.20	No drinking water standard	µg/L	0			
Tetrachloroethylene (PCE)	636	0.25	7.7	0.3071	5	µg/L	2	0.31%		
Toluene	242	0.25	2.9	0.2909	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	694	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	700	0.25	6.3	0.2706	5	µg/L	2	0.29%		
Vinyl chloride	694	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	218	0.25	2.3	0.273	10,000	µg/L	0	0.00%		
Zinc	3,243	11	683,620.00	778.70	5,000*	µg/L	30	0.93%		

* **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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