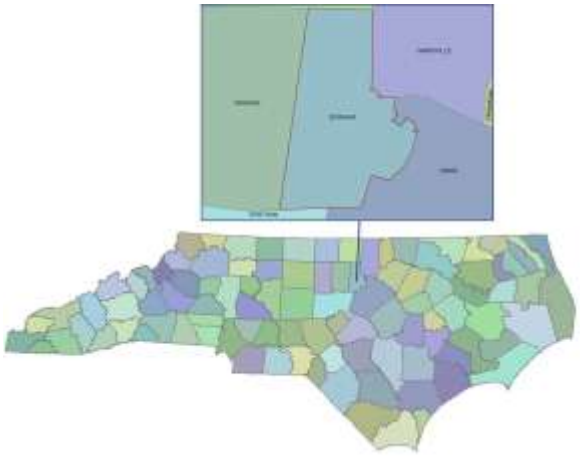

Durham County

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	30	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	30	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	473	0.5	12	1.6	10	µg/L	3	0.63%		
Barium	141	50	50	50	2,000	µg/L	0	0.00%		
Benzene	30	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	141	0.5	5	0.6	5	µg/L	0	0.00%		
Chromium	143	0.5	5	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	40	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	880	10	11,170.00	133.00	1,300*	µg/L	18	2.05%		
Ethylbenzene	46	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	1,614	100	7,820.00	362.10	4,000*	µg/L	2	0.12%		
Iron	468	25	49,590.00	518.40	300*	µg/L	105	22.44%		
Isopropyl Ether	30	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	1,107	2.5	837	7.3	15	µg/L	76	6.87%		
Magnesium	470	800	800	800	No drinking water standard	µg/L				
Manganese	470	15	3,590.00	123.90	50*	µg/L	163	34.68%		

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	112	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	50	0.25	2.2	0.29	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	137	500	5,160.00	793.40	10,000	µg/L	0	0.00%		
Nitrite	141	50	50	50	1,000	µg/L	0	0.00%		
pH	869	5	9.2	7.37	6.5-8.5*	standard units	17	1.96%	49	5.64%
Selenium	141	2.5	6.7	2.5	50	µg/L	0	0.00%		
Silver	141	25	25	25	100*	µg/L	0	0.00%		
Sodium	102	1,000	260,000.00	21,047.10	No drinking water standard	µg/L	0			
Tetrachloroethylene (PCE)	32	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	34	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	40	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	40	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	40	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	30	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	468	25	10,730.00	489.80	5,000*	µg/L	9	1.92%		

* **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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