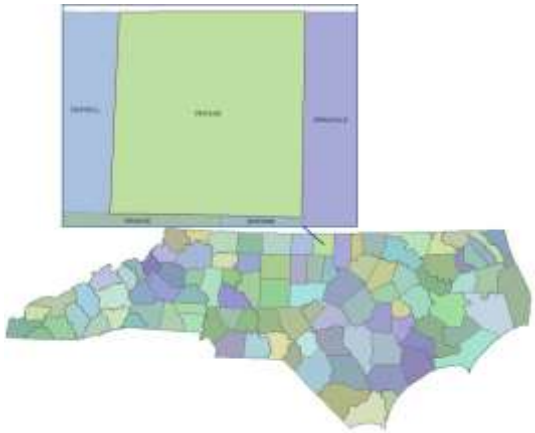

Person County

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	29	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	29	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	987	0.5	54	2.1	10	µg/L	15	1.52%		
Barium	303	50	50	50	2,000	µg/L	0	0.00%		
Benzene	29	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	305	0.5	2.5	0.6	5	µg/L	0	0.00%		
Chromium	304	5	20	5.1	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	118	0.25	1.1	0.26	70	µg/L	0	0.00%		
Copper	986	25	7,920.00	87.10	1,300*	µg/L	10	1.01%		
Ethylbenzene	37	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	1,717	100	3,110.00	273.60	4,000*	µg/L	0	0.00%		
Iron	975	25	48,680.00	797.70	300*	µg/L	277	28.41%		
Isopropyl Ether	31	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	1,013	2.5	304	5.6	15	µg/L	50	4.94%		
Magnesium	988	3,500	3,600.00	3,541.90	No drinking water standard	µg/L				
Manganese	986	15	3,870.00	143.70	50*	µg/L	350	35.50%		

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	238	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	138	0.25	494	5.1844	20* (recommended taste and odor threshold)	µg/L	4	2.90%		
Nitrate	346	500	30,430.00	1,053.10	10,000	µg/L	0	0.00%		
Nitrite	355	50	50	50	1,000	µg/L	0	0.00%		
pH	988	4.3	8.7	7.1	6.5-8.5*	standard units	1	0.10%	186	18.83%
Selenium	304	2.5	21	2.8	50	µg/L	0	0.00%		
Silver	303	25	25	25	100*	µg/L	0	0.00%		
Sodium	248	1,400	500,000.00	24,840.70	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	110	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	37	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	118	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	118	0.25	3.7	0.39	5	µg/L	0	0.00%		
Vinyl chloride	118	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	29	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	973	25	18,860.00	825.40	5,000*	µg/L	37	3.80%		

* **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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