



Dare 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	Not Tested	0	0	0	0.05	µg/L	0	Not Tested		
1,2-Dichloropropane	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Arsenic	616	0.5	40	2.5	10	µg/L	37	6.01%		
Barium	96	50	50	50	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	97	0.5	2.5	0.5	5	µg/L	0	0.00%		
Chromium	97	5	5	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	Not Tested	0	0	0	70	µg/L	0	Not Tested		
Copper	635	25	5,320.00	142.60	1,300*	µg/L	6	0.94%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	1,335	100	1,790.00	716.00	4,000*	µg/L	0	0.00%		
Iron	615	25	16,500.00	598.40	300*	µg/L	214	34.80%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	664	2.5	122	4.8	15	µg/L	27	4.07%		
Magnesium	616	600	700	676.2	No drinking water standard	µg/L				
Manganese	616	15	3,290.00	59.40	50*	µg/L	182	29.55%		

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	69	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	Not Tested	0	0	0	20* (recommended taste and odor threshold)	µg/L	0	Not Tested		
Nitrate	76	500	11,420.00	834.50	10,000	µg/L	0	0.00%		
Nitrite	84	50	50	50	1,000	µg/L	0	0.00%		
pH	615	5.1	9.4	7.71	6.5-8.5*	standard units	4	0.65%	14	2.28%
Selenium	96	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	96	25	25	25	100*	µg/L	0	0.00%		
Sodium	39	1,000	172,000.00	24,251.30	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Toluene	Not Tested	0	0	0	1,000	µg/L	0	Not Tested		
trans-1,2-Dichloroethene (t-DCE)	Not Tested	0	0	0	100	µg/L	0	Not Tested		
Trichloroethylene (TCE)	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Vinyl chloride	Not Tested	0	0	0	2	µg/L	0	Not Tested		
Xylenes (Total)	Not Tested	0	0	0	10,000	µg/L	0	Not Tested		
Zinc	616	25	6,800.00	153.50	5,000*	µg/L	2	0.32%		

* **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
Funded by an ARRA supplement from NIEHS (P42-ES005948) 2009-2011

