



Wayne 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	328	0.5	15	1.5	10	µg/L	1	0.30%		
Barium	203	100	100	100	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	203	0.5	1	0.5	5	µg/L	0	0.00%		
Chromium	203	5	30	5.3	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	2	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	392	25	840	46	1,300*	µg/L	0	0.00%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	7,056	100	13,270.00	901.50	4,000*	µg/L	8	0.11%		
Iron	321	25	14,700.00	1,048.60	300*	µg/L	194	60.44%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	507	2.5	4,237.00	17.40	15	µg/L	23	4.54%		
Magnesium	328	8,600	8,800.00	8,649.10	No drinking water standard	µg/L				
Manganese	328	15	2,870.00	46.20	50*	µg/L	65	19.82%		

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	195	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	2	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	365	500	45,540.00	3,227.30	10,000	µg/L	0	0.00%		
Nitrite	214	50	110	64.4	1,000	µg/L	0	0.00%		
pH	392	3.5	9	6.2	6.5-8.5*	standard units	5	1.28%	214	54.59%
Selenium	203	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	203	25	25	25	100*	µg/L	0	0.00%		
Sodium	197	2,000	400,000.00	18,281.70	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	2	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	Not Tested	0	0	0	1,000	µg/L	0	Not Tested		
trans-1,2-Dichloroethene (t-DCE)	2	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	2	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	2	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	Not Tested	0	0	0	10,000	µg/L	0	Not Tested		
Zinc	321	25	35,620.00	348.70	5,000*	µg/L	2	0.62%		

* **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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