



Granville County

Contaminant	Number of wells tested	Minimum	Maximum	Average	<u>Maximum Contaminant Level (MCL)</u> * 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
<u>1,2-Dibromoethane</u>	6	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
<u>1,2-Dichloropropane</u>	6	0.25	0.25	0.25	5	µg/L	0	0.00%		
<u>Arsenic</u>	682	0.5	14	1.7	10	µg/L	3	0.44%		
<u>Barium</u>	206	50	50	50	2,000	µg/L	0	0.00%		
<u>Benzene</u>	8	0.25	0.25	0.25	5	µg/L	0	0.00%		
<u>Cadmium</u>	206	0.5	2.5	0.6	5	µg/L	0	0.00%		
<u>Chromium</u>	206	5	90	6.4	100	µg/L	0	0.00%		
<u>cis-1,2-Dichloroethene (c-DCE)</u>	9	0.25	0.25	0.25	70	µg/L	0	0.00%		
<u>Copper</u>	680	25	99,990.00	260.70	1,300*	µg/L	10	1.47%		
<u>Ethylbenzene</u>	12	0.25	0.25	0.25	700	µg/L	0	0.00%		
<u>Fluoride</u>	1,650	100	12,090.00	314.80	4,000*	µg/L	7	0.42%		
<u>Iron</u>	672	25	22,790.00	484.00	300*	µg/L	172	25.60%		
<u>Isopropyl Ether</u>	10	0.25	2.2	0.64	No drinking water standard	µg/L				
<u>Lead</u>	724	2.5	253	4.1	15	µg/L	21	2.90%		
<u>Magnesium</u>	680	1,100	1,200.00	1,154.80	No drinking water standard	µg/L				
<u>Manganese</u>	680	15	2,700.00	132.50	50*	µg/L	246	36.18%		

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	183	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	11	0.25	5.6	0.74	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	223	500	13,600.00	1,019.30	10,000	µg/L	0	0.00%		
Nitrite	230	50	50	50	1,000	µg/L	0	0.00%		
pH	680	5	10.1	7.1	6.5-8.5*	standard units	8	1.18%	93	13.68%
Selenium	206	2.5	122	3.3	50	µg/L	1	0.49%		
Silver	206	25	25	25	100*	µg/L	0	0.00%		
Sodium	178	500	300,000.00	20,429.80	No drinking water standard	µg/L	0			
Tetrachloroethylene (PCE)	9	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	6	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	9	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	9	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	9	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	6	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	673	25	12,870.00	306.20	5,000*	µg/L	6	0.89%		

* **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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