



## Davidson 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
<a href="#">1,2-Dibromoethane</a>	6	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
<a href="#">1,2-Dichloropropane</a>	6	0.25	0.25	0.25	5	µg/L	0	0.00%		
<a href="#">Arsenic</a>	572	0.5	100	2.9	10	µg/L	24	4.20%		
<a href="#">Barium</a>	83	50	50	50	2,000	µg/L	0	0.00%		
<a href="#">Benzene</a>	6	0.25	0.25	0.25	5	µg/L	0	0.00%		
<a href="#">Cadmium</a>	83	0.5	0.5	0.5	5	µg/L	0	0.00%		
<a href="#">Chromium</a>	83	5	30	5.3	100	µg/L	0	0.00%		
<a href="#">cis-1,2-Dichloroethene (c-DCE)</a>	9	0.25	0.25	0.25	70	µg/L	0	0.00%		
<a href="#">Copper</a>	569	25	4,670.00	93.20	1,300*	µg/L	2	0.35%		
<a href="#">Ethylbenzene</a>	8	0.25	0.25	0.25	700	µg/L	0	0.00%		
<a href="#">Fluoride</a>	1,544	100	3,120.00	692.90	4,000*	µg/L	0	0.00%		
<a href="#">Iron</a>	566	2.5	47,500.00	531.00	300*	µg/L	128	22.61%		
<a href="#">Isopropyl Ether</a>	6	0.25	0.25	0.25	No drinking water standard	µg/L				
<a href="#">Lead</a>	1,112	2.5	107,700.00	104.80	15	µg/L	60	5.40%		
<a href="#">Magnesium</a>	569	700	700	700	No drinking water standard	µg/L				
<a href="#">Manganese</a>	569	15	7,850.00	81.20	50*	µg/L	100	17.57%		

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
<a href="#">Mercury</a>	78	0.3	0.3	0.3	2	µg/L	0	0.00%		
<a href="#">Methyl tertiary butyl ether (MTBE)</a>	9	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
<a href="#">Nitrate</a>	42	500	8,580.00	1,099.00	10,000	µg/L	0	0.00%		
<a href="#">Nitrite</a>	42	50	50	50	1,000	µg/L	0	0.00%		
<a href="#">pH</a>	573	5.4	9.1	7.00	6.5-8.5*	standard units	2	0.35%	114	19.90%
<a href="#">Selenium</a>	83	2.5	22	2.7	50	µg/L	0	0.00%		
<a href="#">Silver</a>	83	25	25	25	100*	µg/L	0	0.00%		
<a href="#">Sodium</a>	35	1,300	471,000.00	35,754.30	No drinking water standard	µg/L				
<a href="#">Tetrachloroethylene (PCE)</a>	5	0.25	0.25	0.25	5	µg/L	0	0.00%		
<a href="#">Toluene</a>	6	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
<a href="#">trans-1,2-Dichloroethene (t-DCE)</a>	9	0.25	0.25	0.25	100	µg/L	0	0.00%		
<a href="#">Trichloroethylene (TCE)</a>	9	0.25	0.25	0.25	5	µg/L	0	0.00%		
<a href="#">Vinyl chloride</a>	9	0.25	0.25	0.25	2	µg/L	0	0.00%		
<a href="#">Xylenes (Total)</a>	6	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
<a href="#">Zinc</a>	566	25	16,640.00	216.20	5,000*	µg/L	3	0.53%		

\* **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.<sup>8</sup> 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.<sup>8</sup>

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

