



Franklin 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	14	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	14	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	1,022	0.5	7	1.2	10	µg/L	0	0.00%		
Barium	262	50	50	50	2,000	µg/L	0	0.00%		
Benzene	14	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	264	0.5	5	0.6	5	µg/L	0	0.00%		
Chromium	263	0.5	27	5.2	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	31	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	1,036	25	12,350.00	169.30	1,300*	µg/L	19	1.83%		
Ethylbenzene	24	0.25	0.7	0.29	700	µg/L	0	0.00%		
Fluoride	3,398	100	12,560.00	291.10	4,000*	µg/L	8	0.24%		
Iron	1,017	25	23,000.00	496.90	300*	µg/L	218	21.44%		
Isopropyl Ether	14	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	1,100	2.5	173	5	15	µg/L	49	4.46%		
Magnesium	1,022	900	4,600.00	913.80	No drinking water standard	µg/L				
Manganese	1,022	15	2,560.00	46.50	50*	µg/L	165	16.14%		

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	221	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	40	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	602	500	40,510.00	2,595.30	10,000	µg/L	0	0.00%		
Nitrite	622	50	50	50	1,000	µg/L	0	0.00%		
pH	1,022	4.9	9.1	6.64	6.5-8.5*	standard units	4	0.39%	427	41.78%
Selenium	265	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	263	25	25	25	100*	µg/L	0	0.00%		
Sodium	215	500	301,000.00	16,353.50	No drinking water standard	µg/L	0			
Tetrachloroethylene (PCE)	29	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	14	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	31	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	31	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	31	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	16	0.25	0.6	0.30	10,000	µg/L	0	0.00%		
Zinc	1,015	25	27,410.00	525.10	5,000*	µg/L	20	1.97%		

* **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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