



Chowan 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
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	17	0.5	2.5	2.3	10	µg/L	0	0.00%		
Barium	15	50	50	50	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	15	0.5	0.5	0.5	5	µg/L	0	0.00%		
Chromium	15	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	17	25	99.7	33.8	1,300*	µg/L	0	0.00%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	22	100	360	131.4	4,000*	µg/L	0	0.00%		
Iron	17	50	8,400.00	1,728.80	300*	µg/L	9	52.94%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	22	2.5	15.2	3.8	15	µg/L	2	9.09%		
Magnesium	17	300	300	300	No drinking water standard	µg/L				
Manganese	17	15	310	79.4	50*	µg/L	8	47.06%		

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	9	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	10	500	500	500	10,000	µg/L	0	0.00%		
Nitrite	10	50	50	50	1,000	µg/L	0	0.00%		
pH	17	4.9	7.9	7.14	6.5-8.5*	standard units	0	0.00%	3	17.65%
Selenium	15	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	15	25	25	25	100*	µg/L	0	0.00%		
Sodium	9	3,900	23,000.00	10,677.80	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	17	25	83	31.8	5,000*	µg/L	0	0.00%		

* **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

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