



Bertie 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	142	0.5	5	1.9	10	µg/L	0	0.00%		
Barium	10	50	50	50	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	10	0.5	0.5	0.5	5	µg/L	0	0.00%		
Chromium	10	5	5	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	1	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	142	25	1,160.00	35.90	1,300*	µg/L	0	0.00%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	203	100	3,300.00	1,468.50	4,000*	µg/L	0	0.00%		
Iron	142	25	7,900.00	228.20	300*	µg/L	11	7.75%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	145	2.5	24	2.9	15	µg/L	1	0.69%		
Magnesium	142	4300	4,500.00	4,407.50	No drinking water standard	µg/L				
Manganese	142	15	210	21.3	50*	µg/L	8	5.63%		

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	8	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	1	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	74	500	10,170.00	730.70	10,000	µg/L	0	0.00%		
Nitrite	54	50	50	50	1,000	µg/L	0	0.00%		
pH	152	5.3	8.8	8.3	6.5-8.5*	standard units	78	51.32%	3	1.97%
Selenium	10	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	10	25	25	25	100*	µg/L	0	0.00%		
Sodium	9	6,000	15,000.00	8,300.00	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	1	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)	1	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	1	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	1	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	142	25	780	42	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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