



Yadkin 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	2	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	2	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	246	0.5	5	1.3	10	µg/L	0	0.00%		
Barium	77	200	200	200	2,000	µg/L	0	0.00%		
Benzene	2	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	76	0.5	2.5	0.6	5	µg/L	0	0.00%		
Chromium	82	3	7	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	39	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	246	25	380	37.1	1,300*	µg/L	0	0.00%		
Ethylbenzene	2	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	824	100	2,510.00	561.30	4,000*	µg/L	0	0.00%		
Iron	243	25	97,900.00	1,135.40	300*	µg/L	77	31.69%		
Isopropyl Ether	2	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	247	2.5	23	3.1	15	µg/L	1	0.40%		
Magnesium	246	9,100	9,300.00	9,242.70	No drinking water standard	µg/L				
Manganese	246	15	580	47.9	50*	µg/L	69	28.05%		

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	63	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	41	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	150	500	22,620.00	2,310.30	10,000	µg/L	0	0.00%		
Nitrite	107	110	200	148.8	1,000	µg/L	0	0.00%		
pH	247	5.4	8.4	7.04	6.5-8.5*	standard units	0	0.00%	43	17.41%
Selenium	76	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	76	25	25	25	100*	µg/L	0	0.00%		
Sodium	72	3,000	275,000.00	21,540.30	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	39	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	2	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	39	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	39	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	39	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	4	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	243	25	4,050.00	154.70	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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