



Cabarrus 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
<u>1,2-Dibromoethane</u>	14	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
<u>1,2-Dichloropropane</u>	14	0.25	0.25	0.25	5	µg/L	0	0.00%		
<u>Arsenic</u>	725	0.5	47	2.1	10	µg/L	15	2.07%		
<u>Barium</u>	301	50	50	50	2,000	µg/L	0	0.00%		
<u>Benzene</u>	14	0.25	0.25	0.25	5	µg/L	0	0.00%		
<u>Cadmium</u>	301	0.5	5	0.6	5	µg/L	0	0.00%		
<u>Chromium</u>	301	0.5	200	6.2	100	µg/L	2	0.66%		
<u>cis-1,2-Dichloroethene (c-DCE)</u>	14	0.25	0.25	0.25	70	µg/L	0	0.00%		
<u>Copper</u>	723	25	8,050.00	57.00	1,300*	µg/L	4	0.55%		
<u>Ethylbenzene</u>	14	0.25	0.25	0.25	700	µg/L	0	0.00%		
<u>Fluoride</u>	2,980	100	5,940.00	430.50	4,000*	µg/L	3	0.10%		
<u>Iron</u>	719	25	13,900.00	550.70	300*	µg/L	223	31.02%		
<u>Isopropyl Ether</u>	14	0.25	0.25	0.25	No drinking water standard	µg/L				
<u>Lead</u>	743	2.5	124	3.7	15	µg/L	12	1.62%		
<u>Magnesium</u>	717	50	335,000.00	8,124.80	No drinking water standard	µg/L				
<u>Manganese</u>	726	15	6,190.00	119.00	50*	µg/L	249	34.30%		

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	256	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	28	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	286	500	10,900.00	1,045.10	10,000	µg/L	0	0.00%		
Nitrite	287	50	50	50	1,000	µg/L	0	0.00%		
pH	721	4.2	9.5	7.30	6.5-8.5*	standard units	9	1.25%	52	7.21%
Selenium	302	2.5	5	2.5	50	µg/L	0	0.00%		
Silver	301	25	25	25	100*	µg/L	0	0.00%		
Sodium	241	1,000	516,000.00	21,227.00	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	16	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)	14	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	14	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	14	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	14	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	716	25	7,590.00	118.00	5,000*	µg/L	3	0.42%		

* **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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