



Cherokee 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	8	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	8	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	2,398	0.5	30	1.1	10	µg/L	6	0.25%		
Barium	239	50	50	50	2,000	µg/L	0	0.00%		
Benzene	8	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	239	0.5	5	0.5	5	µg/L	0	0.00%		
Chromium	239	0.5	5	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	80	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	2,398	25	5,620.00	120.20	1,300*	µg/L	52	2.17%		
Ethylbenzene	8	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	2,407	100	5,560.00	170.40	4,000*	µg/L	1	0.04%		
Iron	2,385	25	40,070.00	633.90	300*	µg/L	666	27.92%		
Isopropyl Ether	8	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	2,398	2.5	168	3.6	15	µg/L	57	2.38%		
Magnesium	2,397	50	300	171.6	No drinking water standard	µg/L				
Manganese	2,397	15	37,070.00	76.30	50*	µg/L	566	23.61%		

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	92	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	80	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	316	500	16,520.00	682.80	10,000	µg/L	0	0.00%		
Nitrite	323	50	50	50	1,000	µg/L	0	0.00%		
pH	2,398	4.4	10.9	6.9881	6.5-8.5*	standard units	37	1.54%	594	24.77%
Selenium	239	2.5	11.5	2.5	50	µg/L	0	0.00%		
Silver	239	25	25	25	100*	µg/L	0	0.00%		
Sodium	97	1,900	122,000.00	10,434.00	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	80	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	8	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	80	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	80	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	80	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	8	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	2,385	25	40,590.00	387.40	5,000*	µg/L	47	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

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