



Transylvania 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	473	0.5	68	2.2	10	µg/L	9	1.90%		
Barium	229	50	50	50	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	228	0.5	2.5	0.5	5	µg/L	0	0.00%		
Chromium	228	5	10	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	3	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	473	25	4,460.00	57.20	1,300*	µg/L	3	0.63%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	768	100	4,270.00	462.10	4,000*	µg/L	2	0.26%		
Iron	474	25	52,030.00	847.50	300*	µg/L	69	14.56%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	477	2.5	397	5.6	15	µg/L	12	2.52%		
Magnesium	473	5,400	5,500.00	5,439.70	No drinking water standard	µg/L				
Manganese	473	15	740	26.2	50*	µg/L	26	5.50%		

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	230	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	3	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	271	230	4,000.00	627.00	10,000	µg/L	0	0.00%		
Nitrite	272	50	50	50	1,000	µg/L	0	0.00%		
pH	474	4.9	9.4	6.9	6.5-8.5*	standard units	5	1.05%	114	24.05%
Selenium	228	2.5	19.7	2.6	50	µg/L	0	0.00%		
Silver	229	25	25	25	100*	µg/L	0	0.00%		
Sodium	220	500	13,600,000.00	76,252.70	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	3	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)	3	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	3	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	3	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	473	25	15,190.00	254.70	5,000*	µg/L	6	1.27%		

* **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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