Buncombe 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-Dibromomethane	18	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	18	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	2,075	0.5	23	1.4	10	µg/L	4	0.19%		
Barium	626	50	50	50	2,000	µg/L	0	0.00%		
Benzene	18	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	627	0.5	2.5	0.5	5	µg/L	0	0.00%		
Chromium	626	5	20.6	5.1	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	104	0.25	4.5	0.30	70	µg/L	0	0.00%		
Copper	2,079	25	10,210.00	68.90	1,300*	µg/L	10	0.48%		
Ethylbenzene	26	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	2,762	100	4,960.00	284.40	4,000*	µg/L	3	0.11%		
Iron	2,060	0	45,000.00	781.90	300*	µg/L	690	33.50%		
Isopropyl Ether	18	0.25	0.25	0.25	No drinking water standard	µg/L	0			
Lead	2,092	2.5	17,000.00	11.80	15	µg/L	48	2.29%		
Magnesium	2,075	5,300	15,300.00	8,455.50	No drinking water standard	µg/L	0			
Manganese	2,075	15	1,650.00	44.00	50*	µg/L	374	18.02%		

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	487	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	106	0.25	1.2	0.26	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	724	500	8,730.00	825.30	10,000	µg/L	0	0.00%		
Nitrite	744	50	50	50	1,000	µg/L	0	0.00%		
pH	2,074	4.3	10	7.04	6.5-8.5*	standard units	11	0.53%	310	14.95%
Selenium	625	2.5	8	2.5	50	µg/L	0	0.00%		
Silver	626	25	25	25	100*	µg/L	0	0.00%		
Sodium	489	500	340,000.00	23,515.30	No drinking water standard	µg/L	0	0.00%		
Tetrachloroethylene (PCE)	102	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	20	0.25	0.6	0.29	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	104	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	104	0.25	23.7	0.52	5	µg/L	1	0.96%		
Vinyl chloride	104	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	18	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	2,060	25	37,000.00	166.50	5,000*	µg/L	9	0.44%		

* **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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