

Water Quality Report

Address: 2655 Tryon Courthouse Rd Bessemer City NC 28016
 Date Sampled: 08-Mar-2024
 Description:

Parameter	Your Result	Units	EPA MCL	Secondary
pH	5.79			6.5-8.5
Conductivity	162	μS/cm		
Alkalinity	36	mg/L		
Calcium	8.4	mg/L		
Magnesium	4.4	mg/L		
Sodium	12	mg/L		
Potassium	1.5	mg/L		
Fluoride	0.05	mg/L	4.0	2.0
Chloride	8.3	mg/L		250
Bromide	0.03	mg/L		
Nitrate (as N)	8.79	mg/L	10.0	
Sulfate	0.1	mg/L		250
Lithium	27	μg/L		
Beryllium	0.46	μg/L	4.0	
Boron	2.6	μg/L		
Aluminum	28.4	μg/L		200
Vanadium	2.21	μg/L		
Chromium (total)	2.47	μg/L	100	
Manganese	57.4	μg/L		50
Iron	10.4	μg/L		300
Cobalt	2.62	μg/L		
Nickel	6.06	μg/L		
Copper	3.1	μg/L	1300	1000
Zinc	23.2	μg/L		5000
Arsenic	0.23	μg/L	10	
Selenium	bdl	μg/L	50	
Strontium	38.8	μg/L		
Molybdenum	bdl	μg/L		
Silver	bdl	μg/L		100
Cadmium	0.04	μg/L	5	
Antimony	0.01	μg/L	6	
Barium	107.16	μg/L	2000	
Thallium	0.05	μg/L	2	
Lead	0.29	μg/L	15	
Thorium	bdl	μg/L		
Uranium	0.01	μg/L	30	

 If highlighted in red, result exceeds the US EPA MCL
 If highlighted in yellow, result exceeds the Secondary Standard

Understanding Your Water Quality Report

Units

mg/L (milligrams per liter) = ppm (parts per million) | 1 mg/L = 1000 μ g/L

μ g/L (micrograms per liter) = ppb (parts per billion) | 1 μ g/L = 0.001 mg/L

bdl stands for below detection limit

μ S/cm (microsiemens per centimeter) is a measure of the electrical conductivity of water

Standards

1. U.S. EPA Primary Standard. The maximum contaminant level (MCL) is legally enforceable and designed to protect the public health. If blank, there is currently no EPA recommended standard. These standards are used as a guide for private wells.
2. U.S. EPA Secondary Standard. Non-enforceable guidelines designed to protect against cosmetic or aesthetic impacts on drinking water. If blank there is currently no EPA recommended standard.

More Information

For more information on understanding water quality and potential courses of action the U.S. Environmental Protection Agency website can provide useful information:

1. US EPA Information on private drinking water wells and understanding the impacts: <https://www.epa.gov/privatewells>
2. US EPA Information on the drinking water standards: <https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations>
3. NCDHHS Division of Public Health information on well water quality and remediation practices: <https://epi.dph.ncdhhs.gov/oeep/programs/wellwater.html>

If you have any questions about this report, you may contact:

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