



NC DEPARTMENT OF  
HEALTH AND HUMAN SERVICES  
Division of Public Health

# Private Well Information and Use Recommendations

## For Inorganic Chemical Contaminants

County:

Sample Name:

Sample ID #:

Reviewer:

### TEST RESULTS AND USE RECOMMENDATIONS

1. ☐ Your well water meets federal drinking water standards *for inorganic chemicals*. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the *inorganic chemical results only*. You may have other water sampling results that are not taken into account in this report.

2. ☐ The following substance(s) exceeded federal drinking water standards or the North Carolina 2L calculated health levels. The North Carolina Division of Public Health recommends that your well water not be used for drinking and cooking unless you install a water treatment system to remove the **checked** substance(s). However, it may be used for washing, cleaning, bathing, and showering based on the *inorganic chemical results only*.

<input type="checkbox"/> Arsenic	<input type="checkbox"/> Barium	<input type="checkbox"/> Cadmium	<input type="checkbox"/> Chromium	<input type="checkbox"/> Copper	<input type="checkbox"/> Fluoride	<input type="checkbox"/> Iron
<input type="checkbox"/> Lead	<input type="checkbox"/> Manganese	<input type="checkbox"/> Mercury	<input type="checkbox"/> Nickel	<input type="checkbox"/> Nitrate/Nitrite	<input type="checkbox"/> Selenium	<input type="checkbox"/> Silver
<input type="checkbox"/> Zinc						

3. ☐ While your lead levels do not exceed federal or state standards, the North Carolina Division of Public Health has concerns with any detection of lead. Should you have any questions please contact the NC Private Well and Health Program at (919) 707 - 5900.

4. ☐ Re-sample for lead and /or copper. Take a first draw and 30-second flush sample inside the house (preferably the kitchen sink) and a first draw and 4 minutes flush sample at the wellhead to determine the source of the lead and/or copper.

5. ☒ The following substance(s) exceeded **aesthetic** drinking water standards. Your water can be used for drinking, cooking, washing, cleaning, bathing, and showering based on the *inorganic chemical results only*, but **aesthetic** problems such as bad taste, odor, staining of porcelain, etc. may occur. You may want to install a household water treatment system to address aesthetic problems.

<input type="checkbox"/> Chloride	<input type="checkbox"/> Copper	<input type="checkbox"/> Fluoride	<input checked="" type="checkbox"/> Iron	<input type="checkbox"/> Manganese
<input type="checkbox"/> pH	<input type="checkbox"/> Silver	<input type="checkbox"/> Sulfate	<input type="checkbox"/> Zinc	

6. ☐ a. Sodium levels exceed the U.S. Environmental Protection Agency's (USEPA) Health Advisory level for sodium of 20 mg/l. The North Carolina Division of Public Health recommends that only individuals on no or low sodium-restricted diets not use this water for drinking or cooking. It may be used for washing, cleaning, bathing, and showering based on the *inorganic chemical results only*.

☐ b. Your sodium level exceeds 30 mg/L and may pose aesthetic issues such as bad taste, odor, staining of porcelain, etc.

7. ☐ Re-sampling is recommended in \_\_\_\_\_ months, to reinvestigate \_\_\_\_\_.





North Carolina State Laboratory of Public Health  
Environmental Sciences  
Inorganic Chemistry  
Certificate of Analysis

4312 District Drive  
MSC 1918  
Raleigh, NC 27699-1918

<http://slph.ncpublichealth.com>  
Phone: 919-733-7308  
Fax: 919-715-8611

FINAL REPORT

Report to: Mason Freeman

Name of System:

ROWAN CO ENVIRONMENTAL HEALTH

Saloma Kauffman

402 NORTH MAIN ST

1182 Timber Springs Ln

SALISBURY, NC 28144

Salisbury, NC 28147

EIN: 566000336EH

Delivery: NC Courier

StarLIMS ID: ES240514-0028

Date Collected: 05/13/2024

Time Collected: 10:00

By: Mason Freeman

Date Received: 05/14/2024

Time Received: 07:40

Sample Type: Raw

Sampling Point: Well head

Well Permit No. 397824

Sample Source: New Well

Receipt Temp.: 3.5 °C

GPS Number:

Profile: New Well I

Analyte	Test Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	<0.001	0.010	mg/L	
Barium	<0.1	2.0	mg/L	
Cadmium	<0.0005	0.005	mg/L	
Calcium	18		mg/L	
Chloride	10.2	250	mg/L	
Chromium	<0.02	0.10	mg/L	
Copper	<0.01	1.3	mg/L	
Fluoride	<0.1	4.00	mg/L	
Iron	0.484	0.300	mg/L	
Lead	<0.003	0.015	mg/L	
Magnesium	3		mg/L	
Manganese	0.014	0.05	mg/L	
Mercury	<0.0004	0.002	mg/L	
Nickel	<0.01	0.1	mg/L	
Nitrate	3.24	10.0	mg/L	
Nitrite	<0.1	1.00	mg/L	
pH	7.6		N/A	
Selenium	<0.005	0.05	mg/L	
Silver	<0.01	0.10	mg/L	
Sodium	9.5		mg/L	
Sulfate	<5	250	mg/L	
Total Alkalinity	51		mg/L	
Total Hardness	55		mg/L	
Zinc	2.15	5.0	mg/L	

Report Date: 05/24/2024

Reported By:

Marc Komlos