North Carolina State Laboratory of Public Health

Environmental Sciences

Inorganic Chemistry

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Certificate of Analysis

FINAL REPORT

Report to: Ren Levocz

HARNETT CO ENVIRONMENTAL HEALTH
307 CORNELIUS HARNETT BLVD
LILLINGTON, NC 27546

Name of System:

Jared S. Pollino
924 Ponchatrain St.
Fuquay Varina, NC 27526

EIN: 566000306EH

Delivery: Private

StarLiMS ID: **ES241212-0012**

Date Collected: 12/11/2024 Time Collected: 14:00 By: Ren Levocz

Date Received: 12/12/2024 Time Received: 07:41

Sample Type: Raw
Sample Source: New Well

Sampling Point: Well head spigot
Receipt Temp. : 2.5 °C

Well Permit No. SFD2403-0116
GPS Number:

Profile: New Well I

Analyte	Test Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	0.001	0.010	mg/L	
Barium	0.121	2.0	mg/L	
Cadmium	<0.0005	0.005	mg/L	
Calcium	28		mg/L	
Chloride	<5	250	mg/L	
Chromium	<0.02	0.10	mg/L	
Copper	<0.01	1.3	mg/L	
Fluoride	0.200	4.00	mg/L	
Iron	<0.06	0.300	mg/L	
Lead	<0.003	0.015	mg/L	
Magnesium	6		mg/L	
Manganese	0.020	0.05	mg/L	
Mercury	<0.0004	0.002	mg/L	
Nickel	<0.01	0.1	mg/L	
Nitrate	<1	10.0	mg/L	
Nitrite	<0.1	1.00	mg/L	
pH	7.5		N/A	
Selenium	<0.005	0.05	mg/L	
Silver	<0.01	0.10	mg/L	
Sodium	16.0		mg/L	
Sulfate	<5	250	mg/L	
Total Alkalinity	120		mg/L	
Total Hardness	93		mg/L	
Zinc	<0.05	5.0	mg/L	

Report Date: 12/20/2024

Reported By: Kathy Schnizler

N O R T H C A R O L I N A

NC DEPARTMENT OF
HEALTH AND HUMAN SERVICES
Division of Public Health

Private Well Information and Use Recommendations

For Inorganic Chemical Contaminants

County: Harnett Sample Name: Jared S. Polino

Sample ID #: ES2412-0012 Reviewer: Kathy Schnitzler

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***.

☐Arsenic ☐Barium ☐Cadmium ☐Chromium ☐Copper ☐Fluoride ☐Iron
☐Lead ☐Manganese ☐Mercury ☐Nickel ☐Nitrate/Nitrite ☐Selenium ☐Silver
☐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.

☐Chloride ☐Copper ☐Flouride ☐Iron ☐Manganese
☐pH ☐Silver ☐Sulfate ☐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 _____.

For more information regarding your well water results, please call the North Carolina Division of Public Health at 919-707-5900.