



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

P.O. Box 28047
4312 District Drive
Raleigh, NC 27611-8047
<http://slph.ncpublichealth.com>
Phone: 919-733-7308
Fax: 919-715-8611

Report To: ANDREW CURRIN

Name of System:

HARNETT CO ENVIRONMENTAL HEALTH
307 CORNELIUS HARNETT BLVD

KAREN WOOD

LILLINGTON, NC 27546
EIN: 566000306EH

Courier # 14-73-01

192 MILLWOOD LANE
ANGIER, NC 27501

StarLiMS ID: ES050918-0031001

Date Collected: 05/08/18

Time Collected: 12:20 PM

Date Received: 05/09/18

Collected By: Andrew Currin

Sample Type: Raw
Sample Source: New Well

Sampling Point: Well head
Temp. at Receipt: 3.5

Well Permit #: 18-5-43039
GPS #:

Sample Description:
Comment:

New Well I (Profile)

Analyte	Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	0.030	0.010	mg/L	
Barium	0.280	2.00	mg/L	
Cadmium	< 0.001	0.005	mg/L	
Calcium	27		mg/L	
Chloride	< 5.00	250	mg/L	
Chromium	< 0.01	0.10	mg/L	
Copper	< 0.05	1.3	mg/L	
Fluoride	< 0.20	4.00	mg/L	
Iron	0.27	0.30	mg/L	
Lead	< 0.005	0.015	mg/L	
Magnesium	9		mg/L	
Manganese	0.043	0.05	mg/L	
Mercury	< 0.0005	0.002	mg/L	
Nitrate	< 1.00	10.00	mg/L	
Nitrite	< 0.1	1.00	mg/L	Fchl
pH	8.0		N/A	
Selenium	< 0.005	0.05	mg/L	
Silver	< 0.05	0.10	mg/L	
Sodium	13.00		mg/L	
Sulfate	< 5.00	250	mg/L	
Total Alkalinity	130		mg/L	
Total Hardness	100		mg/L	
Zinc	< 0.05	5.00	mg/L	

Report Date: 05/16/2018

Reported By: Kenneth Greene



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Environmental Qualifier Descriptions

Code	Description
*	Result exceeds MCL
>ht	Entered past holding exp
A	User choice 1
Ach	Above ULC
Amt	Non-default amount used
B	Blank over RL
C	Possible Lab Contamination
Cg	Confluent Growth
D	User choice 3
Eh	Exceeded Holding Time
Fchl	NO ₂ -Free Chlorine Interference
Haz	Hazard Level Exceeded
Hirec	High recovery
Ins	Insufficient Sample
J	Estimated Value
La	Lab Accident
Lorec	Low recovery
M	Matrix Interference
Ofe	Over 48 hours
Sp	Sample processing problem
Susp	Suspect result
T	Trihalomethane
Tc	Turbid Culture
Temp	Temperature Range Exceeded
Ti	Tentative Identification
Tntc	Too numerous to count
U	Beneath MDL
V	User choice 4



Private Well Information and Use Recommendations For Inorganic Chemical Contaminants

County: Harnett

Name: Karen Wood

Sample ID #: ES060918-0031001

192 Millwood Ln. Angier, NC 27501
Reviewer: Andrew Curran, NCHS

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 circled 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	Lead	Iron	
Manganese	Mercury	Nitrate/Nitrite	Selenium	Silver	Magnesium	Zinc	pH	

3. 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. Levels over 30 mg/l may pose aesthetic problems such as bad taste, odor, staining of porcelain, etc.
4. Re-sampling is recommended in _____ months.
5. Re-sample for lead and /or copper. Take a first draw, 5 minute, and 15 minute sample inside the house (preferably the kitchen) and if possible a first draw, 5 minute and a 15 minute sample at the well head to determine the source of the lead and/or copper.
6. The following substance(s) exceeded federal 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.

Barium	Cadmium	Chromium	Fluoride	Iron	Magnesium
Manganese	Selenium	Silver	pH	Zinc	

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