North Carolina State Laboratory of Public Health

Environmental Sciences

Inorganic Chemistry

4312 District Drive
MSC 1918
Raleigh, NC 27699-1918

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

Certificate of Analysis

FINAL REPORT

Report to: OLIVER TOLKSDORF

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

Name of System:

Red Door Homes
14328 McDougald Rd
Sanford, NC

EIN: 566000306EH

Delivery: NC Courier

StarLiMS ID: ES190314-0027

Date Collected: 03/13/2019 Time Collected: 10:00 By: Oliver Tolksdorf
Date Received: 03/14/2019 Time Received: 07:40

Sample Type: Raw
Sample Source: New Well

Sampling Point: Sampling port at well
Receipt Temp. : 4.0 °C

Well Permit No.
GPS Number:

Comment: No permit # given with sample.

Profile: New Well I

Analyte	Test Result	Allowable Limit	Unit	Qualifier(s)
Arsenic	0.006	0.010	mg/L	
Barium	0.19	2.0	mg/L	
Cadmium	<0.001	0.005	mg/L	
Calcium	20		mg/L	
Chloride	16.2	250	mg/L	
Chromium	<0.01	0.10	mg/L	
Copper	<0.05	1.3	mg/L	
Fluoride	<0.2	4	mg/L	
Iron	2.90	0.30	mg/L	
Lead	<0.005	0.015	mg/L	
Magnesium	7		mg/L	
Manganese	0.29	0.05	mg/L	
Mercury	<0.0005	0.002	mg/L	
Nitrate	<1	10.0	mg/L	
Nitrite	<0.1	1.00	mg/L	
pH	7.3		N/A	
Selenium	<0.005	0.05	mg/L	
Silver	<0.05	0.10	mg/L	
Sodium	9.7		mg/L	
Sulfate	<5	250	mg/L	
Total Alkalinity	76		mg/L	
Total Hardness	78		mg/L	
Zinc	2.71	5.00	mg/L	

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FINAL REPORT

Report Date: 03/26/2019

Reported By: Cindy Price

Cindy Price

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

nc department of health and human services

Private Well Information and Use Recommendations

For Inorganic Chemical Contaminants

County: HARNETT Name: RED DOOR HOMES

Sample ID #: Reviewer: OLIVER TOLKSDORF REHS

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.