



Well Water Information and Use Recommendations

For Organics Contaminants

County:

Name & Address:

Sample ID #:

Sample Date:

TEST RESULTS

- Your well water **meets** North Carolina Division of Public Health Recommendation Levels for private well water for **organics results only**. You may have other water sampling results that are not taken into account in this report.
- The following substance(s) **exceeded** North Carolina Division of Public Health Recommendation Levels and may result in an increased health risk.
Exceedance(s): Chloroform, Bromodichloromethane, Dibromochloromethane

The North Carolina Division of Public Health Recommendation Levels are selected based on the currently available science. For more information contact the Occupational and Environmental Epidemiology Branch at 919-707-5900.

USE RECOMMENDATIONS BASE OF NC DPH RECOMMENDATION LEVELS

Drinking and Cooking Guidance

- Your water is **suitable** for drinking and cooking based on the **organic results only**.
- Based on the test results, your well water is **not suitable** for drinking and cooking.

Washing, Cleaning, Bathing, and Showering Guidance

- Your water is suitable for washing, cleaning, bathing, and showering based on the **organic results only**.
- Showering and bathing time should be limited because of the potential exposure to organics via absorption through the skin and inhalation of water vapor.

ADDITIONAL RECOMMENDATIONS

- Re-sampling is recommended in _____ months.
- Immediate re-sampling is recommended to confirm results prior to installing a treatment system.
- You may want to install a treatment system or consider other options like bottled water or connecting to a public water supply, if possible. Treatment system options for organic contaminants are: Granular Activated Carbon (GAC) filters and Reverse Osmosis (RO) systems. Consult with your local well water contractor to determine the best option for your residence. If you purchase a water treatment system, resampling is recommended after installing the system to ensure that the treatment system is working as intended. Note that systems will require ongoing maintenance to ensure proper operation.

For further information, please contact the Occupational and Environmental Epidemiology Branch at 919-707-5900



North Carolina State Laboratory of Public Health

Environmental Sciences

Organic Chemistry

4312 District Drive
MSC 1918
Raleigh, NC 27611-8047

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

Certificate of Analysis

FINAL REPORT

Report to: M Osborne

Name of System:

HARNETT CO ENVIRONMENTAL HEALTH

Marguerite Grand

307 CORNELIUS HARNETT BLVD

1040 Bethel Baptist Rd

LILLINGTON, NC 27546

Spring Lake, NC 28390

EIN: 566000306EH

Delivery:

Harnett County

StarLiMS ID: **ES240620-0118-001**

Date Collected: 06/19/2024

Time Collected: 11:05

By: **Mark Osborne**

Sample ID: **240291**

Date Received: 06/20/2024

Time Received: 09:49

By: **Rachel Odom**

Sample Type: Raw

Sampling Point:

Well Permit #

Sample Source: Well water

Temp. at Receipt: 4.5 °C

GPS #

Comment:

PETROLEUM Profile

Method: Default

Analyte	Test Result	Reporting Limit	Unit	Qualifier(s)
Petroleum	No Petroleum Products identified		N/A	
Dichlorodifluoromethane	Not Detected	0.5	ug/L	
Chloromethane	1.38	0.5	ug/L	
Vinyl chloride	Not Detected	0.5	ug/L	
Bromomethane	Trace	0.5	ug/L	
Chloroethane	Not Detected	0.5	ug/L	
Trichlorofluoromethane	Not Detected	0.5	ug/L	
Acetone	15.7	0.5	ug/L	
1,1-Dichloroethene	Not Detected	0.5	ug/L	
Iodomethane	0.7	0.5	ug/L	
Methylene chloride	0.73	0.5	ug/L	
Acrylonitrile	Not Detected	0.5	ug/L	
Carbon Disulfide	Not Detected	0.5	ug/L	
trans-1,2-Dichloroethene	Not Detected	0.5	ug/L	
MTBE	Not Detected	0.5	ug/L	
1,1-Dichloroethane	Not Detected	0.5	ug/L	
cis-1,2-Dichloroethene	Not Detected	0.5	ug/L	
Isopropyl Ether	Not Detected	0.5	ug/L	
2-Butanone (MEK)	4.75	0.5	ug/L	
Bromochloromethane	Not Detected	0.5	ug/L	
2,2-Dichloropropane	Not Detected	0.5	ug/L	
Chloroform	376J	0.5	ug/L	J
Tetrahydrofuran	10.2	0.5	ug/L	
1,1,1-Trichloroethane	Not Detected	0.5	ug/L	



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GPS #

Comment:

1,1-Dichloropropene	Not Detected	0.5	ug/L
Carbon Tetrachloride	Trace	0.5	ug/L
Benzene	Not Detected	0.5	ug/L
1,2-Dichloroethane	Not Detected	0.5	ug/L
Trichloroethene	Not Detected	0.5	ug/L
1,2-Dichloropropane	Not Detected	0.5	ug/L
Dibromomethane	Not Detected	0.5	ug/L
4-Methyl-2-pentanone	Not Detected	0.5	ug/L
Bromodichloromethane	9.17	0.5	ug/L
cis-1,3-Dichloropropene	Not Detected	0.5	ug/L
Toluene	Not Detected	0.5	ug/L
trans-1,3-Dichloropropene	Not Detected	0.5	ug/L
1,1,2-Trichloroethane	Not Detected	0.5	ug/L
1,3-Dichloropropane	Not Detected	0.5	ug/L
Tetrachloroethene	Not Detected	0.5	ug/L
Dibromochloromethane	0.52	0.5	ug/L
2-Hexanone	Not Detected	0.5	ug/L
1,2-Dibromoethane(EDB)	Not Detected	0.5	ug/L
Chlorobenzene	Not Detected	0.5	ug/L
1,1,1,2-Tetrachloroethane	Not Detected	0.50	ug/L
Ethylbenzene	Not Detected	0.5	ug/L
m&p-xylene	Not Detected	1	ug/L
o-Xylene	Not Detected	0.5	ug/L
Styrene	Not Detected	0.5	ug/L
Bromoform	Not Detected	0.5	ug/L
Isopropylbenzene	Not Detected	0.5	ug/L
1,1,2,2-Tetrachloroethane	Not Detected	0.5	ug/L
1,2,3-Trichloropropane	Not Detected	0.5	ug/L



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Temp. at Receipt: 4.5 °C

GPS #

Comment:

Bromobenzene	Not Detected	0.5	ug/L
n-Propylbenzene	Not Detected	0.5	ug/L
2-Chlorotoluene	Not Detected	0.5	ug/L
4-Chlorotoluene	Not Detected	0.5	ug/L
1,3,5-Trimethylbenzene	Not Detected	0.5	ug/L
tert-Butylbenzene	Not Detected	0.5	ug/L
1,2,4-Trimethylbenzene	Not Detected	0.5	ug/L
sec-Butylbenzene	Not Detected	0.5	ug/L
1,4-Dichlorobenzene	Not Detected	0.5	ug/L
1,3-Dichlorobenzene	Not Detected	0.5	ug/L
4-Isopropyltoluene	Not Detected	0.5	ug/L
1,2-Dichlorobenzene	Not Detected	0.5	ug/L
n-Butylbenzene	Not Detected	0.5	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	Not Detected	0.5	ug/L
1,2,4-Trichlorobenzene	Not Detected	0.5	ug/L
Naphthalene	Not Detected	0.5	ug/L
Hexachlorobutadiene	Not Detected	0.5	ug/L
1,2,3-Trichlorobenzene	Not Detected	0.5	ug/L
Total Xylenes	Not Detected	0.5	ug/L



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Spring Lake, NC 28390

EIN: 566000306EH

Delivery:

Harnett County

StarLiMS ID: **ES240620-0118-002**

Date Collected: 04/24/2018

Time Collected: 00:01

By: **KMN**

Sample ID: **240292**

Date Received: 06/20/2024

Time Received: 09:49

By: **Rachel Odom**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Trip Blank

Temp. at Receipt: 4.5 °C

GPS #

Comment:

VOCs Profile

Method: EPA 524.2

Analyte	Test Result	Reporting Limit	Unit	Qualifier(s)
Dichlorodifluoromethane	Not Detected	0.5	ug/L	
Chloromethane	Not Detected	0.5	ug/L	
Vinyl chloride	Not Detected	0.5	ug/L	
Bromomethane	Not Detected	0.5	ug/L	
Chloroethane	Not Detected	0.5	ug/L	
Trichlorofluoromethane	Not Detected	0.5	ug/L	
Acetone	11.3	0.5	ug/L	
1,1-Dichloroethene	Not Detected	0.5	ug/L	
Iodomethane	Trace	0.5	ug/L	
Methylene chloride	Not Detected	0.5	ug/L	
Acrylonitrile	Not Detected	0.5	ug/L	
Carbon Disulfide	Not Detected	0.5	ug/L	
trans-1,2-Dichloroethene	Not Detected	0.5	ug/L	
MTBE	Not Detected	0.5	ug/L	
1,1-Dichloroethane	Not Detected	0.5	ug/L	
cis-1,2-Dichloroethene	Not Detected	0.5	ug/L	
Isopropyl Ether	Not Detected	0.5	ug/L	
2-Butanone (MEK)	Not Detected	0.5	ug/L	
Bromochloromethane	Not Detected	0.5	ug/L	
2,2-Dichloropropane	Not Detected	0.5	ug/L	
Chloroform	Not Detected	0.5	ug/L	
Tetrahydrofuran	Not Detected	0.5	ug/L	
1,1,1-Trichloroethane	Not Detected	0.5	ug/L	
1,1-Dichloropropene	Not Detected	0.5	ug/L	
Carbon Tetrachloride	Not Detected	0.5	ug/L	



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By: **Rachel Odom**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Trip Blank

Temp. at Receipt: 4.5 °C

GPS #

Comment:

Benzene	Not Detected	0.5	ug/L
1,2-Dichloroethane	Not Detected	0.5	ug/L
Trichloroethene	Not Detected	0.5	ug/L
1,2-Dichloropropane	Not Detected	0.5	ug/L
Dibromomethane	Not Detected	0.5	ug/L
4-Methyl-2-pentanone	Not Detected	0.5	ug/L
Bromodichloromethane	Not Detected	0.5	ug/L
cis-1,3-Dichloropropene	Not Detected	0.5	ug/L
Toluene	Not Detected	0.5	ug/L
trans-1,3-Dichloropropene	Not Detected	0.5	ug/L
1,1,2-Trichloroethane	Not Detected	0.5	ug/L
1,3-Dichloropropane	Not Detected	0.5	ug/L
Tetrachloroethene	Not Detected	0.5	ug/L
Dibromochloromethane	Not Detected	0.5	ug/L
2-Hexanone	Not Detected	0.5	ug/L
1,2-Dibromoethane(EDB)	Not Detected	0.5	ug/L
Chlorobenzene	Not Detected	0.5	ug/L
1,1,1,2-Tetrachloroethane	Not Detected	0.50	ug/L
Ethylbenzene	Not Detected	0.5	ug/L
m&p-xylene	Not Detected	1	ug/L
o-Xylene	Not Detected	0.5	ug/L
Styrene	Trace	0.5	ug/L
Bromoform	Not Detected	0.5	ug/L
Isopropylbenzene	Not Detected	0.5	ug/L
1,1,2,2-Tetrachloroethane	Not Detected	0.5	ug/L
1,2,3-Trichloropropane	Not Detected	0.5	ug/L
Bromobenzene	Not Detected	0.5	ug/L
n-Propylbenzene	Not Detected	0.5	ug/L



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By: **Rachel Odom**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Trip Blank

Temp. at Receipt: 4.5 °C

GPS #

Comment:

2-Chlorotoluene	Not Detected	0.5	ug/L
4-Chlorotoluene	Not Detected	0.5	ug/L
1,3,5-Trimethylbenzene	Not Detected	0.5	ug/L
tert-Butylbenzene	Not Detected	0.5	ug/L
1,2,4-Trimethylbenzene	Not Detected	0.5	ug/L
sec-Butylbenzene	Not Detected	0.5	ug/L
1,4-Dichlorobenzene	Not Detected	0.5	ug/L
1,3-Dichlorobenzene	Not Detected	0.5	ug/L
4-Isopropyltoluene	Not Detected	0.5	ug/L
1,2-Dichlorobenzene	Not Detected	0.5	ug/L
n-Butylbenzene	Not Detected	0.5	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	Not Detected	0.5	ug/L
1,2,4-Trichlorobenzene	Not Detected	0.5	ug/L
Naphthalene	Not Detected	0.5	ug/L
Hexachlorobutadiene	Not Detected	0.5	ug/L
1,2,3-Trichlorobenzene	Not Detected	0.5	ug/L
Total Xylenes	Not Detected	0.5	ug/L



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Environmental Qualifier Descriptions

Qualifier Code	Description
C	Possible lab contamination
FC	Free chlorine interference
I	Inconclusive - Please resubmit
J	Estimated value
MI	Matrix Interference
N	Negative
P	Positive
R	Resistant
S	Sensitive
SA	Sensitive to Adamantanes
T	Trihalomethane
Ti	Tentative Identification

Report Date: 08/08/2024

Reported By: James Parrish