



# Well Water Information and Use Recommendations

*For Organics Contaminants*

County:

Name & Address:

Sample ID #:

Sample Date:

### TEST RESULTS

- Your well water **meets** federal water guidelines and North Carolina 15A NCAC 02L Rules 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** federal water guidelines and/or North Carolina 15A NCAC 02L Rules and may result in an increased health risk.  
 Federal exceedance(s): \_\_\_\_\_  
 North Carolina exceedance(s): \_\_\_\_\_

### USE RECOMMENDATIONS

#### 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 5 years.
- 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: JAMES MANHART**

**Name of System:**

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

**Baxter Hobbs**  
 3266 McNeill Hobbs Rd.  
 Bunnlevel, NC 28323

**EIN: 566000306EH**

**Delivery: NC Courier**

**Harnett County**

StarLIMS ID: **ES190116-0166-001**

Date Collected: 01/15/2019

Time Collected: 10:00

By: **James Manhart**

Sample ID: **190028**

Date Received: 01/16/2019

Time Received: 12:44

By: **Marty Nicholson**

Sample Type:

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	0.50	ug/L	
Chloromethane	Not Detected	0.50	ug/L	
Vinyl chloride	Not Detected	0.50	ug/L	
Chloroethane	Not Detected	0.50	ug/L	
Trichlorofluoromethane	Not Detected	0.50	ug/L	
Acetone	Not Detected	0.50	ug/L	
1,1-Dichloroethene	Not Detected	0.50	ug/L	
Methylene chloride	Not Detected	0.50	ug/L	
Acrylonitrile	Not Detected	0.50	ug/L	
Carbon Disulfide	Not Detected	0.50	ug/L	
trans-1,2-Dichloroethene	Not Detected	0.50	ug/L	
MTBE	Not Detected	0.50	ug/L	
1,1-Dichloroethane	Not Detected	0.50	ug/L	
cis-1,2-Dichloroethene	Not Detected	0.50	ug/L	
Isopropyl Ether	Not Detected	0.50	ug/L	
2-Butanone (MEK)	Not Detected	0.50	ug/L	
Bromochloromethane	Not Detected	0.50	ug/L	
2,2-Dichloropropane	Not Detected	0.50	ug/L	
Chloroform	Not Detected	0.50	ug/L	
Tetrahydrofuran	Not Detected	0.50	ug/L	
1,1,1-Trichloroethane	Not Detected	0.50	ug/L	
1,1-Dichloropropene	Not Detected	0.50	ug/L	
Carbon Tetrachloride	Not Detected	0.50	ug/L	



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By: **Marty Nicholson**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Well water

Temp. at Receipt: 4.5 °C

GPS #

Comment:

Benzene	Not Detected	0.50	ug/L
1,2-Dichloroethane	Not Detected	0.50	ug/L
Trichloroethene	Not Detected	0.50	ug/L
1,2-Dichloropropane	Not Detected	0.50	ug/L
Dibromomethane	Not Detected	0.50	ug/L
4-Methyl-2-pentanone	Not Detected	0.50	ug/L
Bromodichloromethane	Not Detected	0.50	ug/L
cis-1,3-Dichloropropene	Not Detected	0.50	ug/L
Toluene	Not Detected	0.50	ug/L
trans-1,3-Dichloropropene	Not Detected	0.50	ug/L
1,1,2-Trichloroethane	Not Detected	0.50	ug/L
1,3-Dichloropropane	Not Detected	0.50	ug/L
Tetrachloroethene	Not Detected	0.50	ug/L
Dibromochloromethane	Not Detected	0.50	ug/L
2-Hexanone	Not Detected	0.50	ug/L
1,2-Dibromoethane(EDB)	Not Detected	0.50	ug/L
Chlorobenzene	Not Detected	0.50	ug/L
1,1,1,2-Tetrachloroethane	Not Detected	0.50	ug/L
Ethylbenzene	Not Detected	0.50	ug/L
m&p-xylene	Trace	1.0	ug/L
o-Xylene	Not Detected	0.50	ug/L
Styrene	Not Detected	0.50	ug/L
Bromoform	Not Detected	0.50	ug/L
Isopropylbenzene	Not Detected	0.50	ug/L
1,1,2,2-Tetrachloroethane	Not Detected	0.50	ug/L
1,2,3-Trichloropropane	Not Detected	0.50	ug/L
Bromobenzene	Not Detected	0.50	ug/L
n-Propylbenzene	Not Detected	0.50	ug/L



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By: **James Manhart**

Sample ID: **190028**

Date Received: 01/16/2019

Time Received: 12:44

By: **Marty Nicholson**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Well water

Temp. at Receipt: 4.5 °C

GPS #

Comment:

2-Chlorotoluene	Not Detected	0.50	ug/L
4-Chlorotoluene	Not Detected	0.50	ug/L
1,3,5-Trimethylbenzene	Not Detected	0.50	ug/L
tert-Butylbenzene	Not Detected	0.50	ug/L
1,2,4-Trimethylbenzene	Not Detected	0.50	ug/L
sec-Butylbenzene	Not Detected	0.50	ug/L
1,4-Dichlorobenzene	Not Detected	0.50	ug/L
1,3-Dichlorobenzene	Not Detected	0.50	ug/L
4-Isopropyltoluene	Not Detected	0.50	ug/L
1,2-Dichlorobenzene	Not Detected	0.50	ug/L
n-Butylbenzene	Not Detected	0.50	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	Not Detected	0.50	ug/L
1,2,4-Trichlorobenzene	Not Detected	0.50	ug/L
Naphthalene	Not Detected	0.50	ug/L
Hexachlorobutadiene	Not Detected	0.50	ug/L
1,2,3-Trichlorobenzene	Not Detected	0.50	ug/L
Total Xylenes	Trace	0.50	ug/L



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**Harnett County**

StarLiMS ID: **ES190116-0166-002**

Date Collected: 05/17/2017

Time Collected: 00:01

By: **KMN**

Sample ID: **190029**

Date Received: 01/16/2019

Time Received: 12:44

By: **Marty Nicholson**

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	0.50	ug/L	
Chloromethane	Not Detected	0.50	ug/L	
Vinyl chloride	Not Detected	0.50	ug/L	
Chloroethane	Not Detected	0.50	ug/L	
Trichlorofluoromethane	Not Detected	0.50	ug/L	
Acetone	Not Detected	0.50	ug/L	
1,1-Dichloroethene	Not Detected	0.50	ug/L	
Methylene chloride	Not Detected	0.50	ug/L	
Acrylonitrile	Not Detected	0.50	ug/L	
Carbon Disulfide	Not Detected	0.50	ug/L	
trans-1,2-Dichloroethene	Not Detected	0.50	ug/L	
MTBE	Not Detected	0.50	ug/L	
1,1-Dichloroethane	Not Detected	0.50	ug/L	
cis-1,2-Dichloroethene	Not Detected	0.50	ug/L	
Isopropyl Ether	Not Detected	0.50	ug/L	
2-Butanone (MEK)	Not Detected	0.50	ug/L	
Bromochloromethane	Not Detected	0.50	ug/L	
2,2-Dichloropropane	Not Detected	0.50	ug/L	
Chloroform	Not Detected	0.50	ug/L	
Tetrahydrofuran	Not Detected	0.50	ug/L	
1,1,1-Trichloroethane	Not Detected	0.50	ug/L	
1,1-Dichloropropene	Not Detected	0.50	ug/L	
Carbon Tetrachloride	Not Detected	0.50	ug/L	
Benzene	Not Detected	0.50	ug/L	
1,2-Dichloroethane	Not Detected	0.50	ug/L	



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Time Collected: 00:01

By: **KMN**

Sample ID: **190029**

Date Received: 01/16/2019

Time Received: 12:44

By: **Marty Nicholson**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Trip Blank

Temp. at Receipt: 4.5 °C

GPS #

Comment:

Trichloroethene	Not Detected	0.50	ug/L
1,2-Dichloropropane	Not Detected	0.50	ug/L
Dibromomethane	Not Detected	0.50	ug/L
4-Methyl-2-pentanone	Not Detected	0.50	ug/L
Bromodichloromethane	Not Detected	0.50	ug/L
cis-1,3-Dichloropropene	Not Detected	0.50	ug/L
Toluene	Not Detected	0.50	ug/L
trans-1,3-Dichloropropene	Not Detected	0.50	ug/L
1,1,2-Trichloroethane	Not Detected	0.50	ug/L
1,3-Dichloropropane	Not Detected	0.50	ug/L
Tetrachloroethene	Not Detected	0.50	ug/L
Dibromochloromethane	Not Detected	0.50	ug/L
2-Hexanone	Not Detected	0.50	ug/L
1,2-Dibromoethane(EDB)	Not Detected	0.50	ug/L
Chlorobenzene	Not Detected	0.50	ug/L
1,1,1,2-Tetrachloroethane	Not Detected	0.50	ug/L
Ethylbenzene	Not Detected	0.50	ug/L
m&p-xylene	Not Detected	1.0	ug/L
o-Xylene	Not Detected	0.50	ug/L
Styrene	Not Detected	0.50	ug/L
Bromoform	Not Detected	0.50	ug/L
Isopropylbenzene	Not Detected	0.50	ug/L
1,1,1,2-Tetrachloroethane	Not Detected	0.50	ug/L
1,2,3-Trichloropropane	Not Detected	0.50	ug/L
Bromobenzene	Not Detected	0.50	ug/L
n-Propylbenzene	Not Detected	0.50	ug/L
2-Chlorotoluene	Not Detected	0.50	ug/L
4-Chlorotoluene	Not Detected	0.50	ug/L



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Date Received: 01/16/2019

Time Received: 12:44

By: **Marty Nicholson**

Sample Type:

Sampling Point:

Well Permit #

Sample Source: Trip Blank

Temp. at Receipt: 4.5 °C

GPS #

Comment:

1,3,5-Trimethylbenzene	Not Detected	0.50	ug/L
tert-Butylbenzene	Not Detected	0.50	ug/L
1,2,4-Trimethylbenzene	Not Detected	0.50	ug/L
sec-Butylbenzene	Not Detected	0.50	ug/L
1,4-Dichlorobenzene	Not Detected	0.50	ug/L
1,3-Dichlorobenzene	Not Detected	0.50	ug/L
4-Isopropyltoluene	Not Detected	0.50	ug/L
1,2-Dichlorobenzene	Not Detected	0.50	ug/L
n-Butylbenzene	Not Detected	0.50	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	Not Detected	0.50	ug/L
1,2,4-Trichlorobenzene	Not Detected	0.50	ug/L
Naphthalene	Not Detected	0.50	ug/L
Hexachlorobutadiene	Not Detected	0.50	ug/L
1,2,3-Trichlorobenzene	Not Detected	0.50	ug/L
Total Xylenes	Not Detected	0.50	ug/L

**Report Date:** 01/24/2019

**Reported By:** James Parrish