

## Adams, George

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**From:** Adams, George  
**Sent:** Friday, December 06, 2013 3:13 PM  
**To:** 'tad.helmstetler@rowancountync.gov'  
**Cc:** dan.graham@ncdenr.gov  
**Subject:** Statesville Boulevard NONCD0002868  
**Attachments:** Statesville Blvd NONCD0002868 result & HRE ltrs 12-6-13.pdf

Tad,

Please find the attached and contact me if you have questions. Thanks--George

George Adams - [george.adams@ncdenr.gov](mailto:george.adams@ncdenr.gov)

North Carolina Department of Environment & Natural Resources

Division of Waste Management - Superfund Section - Inactive Hazardous Sites Branch

610 East Center Avenue, Suite 301

Mooresville, North Carolina 28115

Phone: (704) 663-1699 Fax: (704) 663-6040

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**All documents and communications such as work plans, reports, cover letters, and correspondence must be submitted in electronic format only. Specific requirements including acceptable file formats may be found under "[Electronic Document Submittal](#)" at the Inactive Hazardous Sites Program's website.**

Click [HERE](#) for Access to Electronic Records at the CARA<sup>3</sup> Portal



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Pat McCrory  
Governor

Dexter R. Matthews  
Director

John E. Skvarla, III  
Secretary

December 6, 2013

Yorke & Jane Beaver  
2675 Statesville Boulevard  
Salisbury, North Carolina 28147

Re: **Well Sampling Results (PW-2)**  
2675 Statesville Boulevard  
Salisbury, Rowan County, North Carolina  
IHSB # NONCD0002868

Dear Property Owners:

On November 19, 2013, the Inactive Hazardous Sites Branch (IHSB) collected a groundwater sample from a residential water-supply well at the above referenced location. The groundwater sample was submitted for laboratory analyses including select Volatile Organic Compounds (VOCs) as part of a groundwater investigation in the vicinity of Statesville Boulevard. A review of the laboratory data suggests that **no VOCs were detected** in the groundwater sample from the November 19, 2013 sampling event.

I appreciate your participation in this investigation, and I have enclosed a portion of the laboratory report. If you have questions, need additional information, or would like to review the laboratory report from this assessment in its entirety, please contact me at (704) 663-1699.

Sincerely,

George D. Adams, PG & EI  
Environmental Engineer II  
Department of Environment and Natural Resources  
Division of Waste Management  
Superfund Section - Inactive Hazardous Sites Branch

Enclosure

cc: Tad Helmstetler  
Rowan County Health Department

Dan Graham  
NCDENR - UST

COC

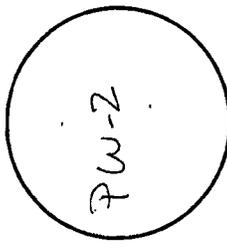
DIVISION OF WASTE MANAGEMENT FIELD/LAB FORM

North Carolina  
Department of Environment and Natural Resources  
DIVISION OF WASTE MANAGEMENT SUPERFUND SECTION-IHSB

Location Code: NONCD0002868  
COUNTY: Rowan  
QUAD NO: Serial No.  
Lat. Long.  
REPORT TO: \_\_\_\_\_  
SHIPPED BY: \_\_\_\_\_

Lab Number: 1300153  
Date Received: 11-20-13 Time: 08:00  
Rec'd By: APM From: Bus. Courier, Hand Del.  
Other: \_\_\_\_\_  
Data Entry By: \_\_\_\_\_  
Data \_\_\_\_\_  
Reported: \_\_\_\_\_

Water  Routine  
Soil  Emergency  
Other   
Chain of Custody



COLLECTOR(S): G. Adams DATE: 11/19/13  
FIELD ANALYSES TIME: 1:55  
pH 7.5 Spec. Cond. 94 at 25°C  
Temp. Odor MS odn  
Appearance clear colorless  
Field Analysis By: G. Adams

Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Other X (Investigation) RESOURCE EVALUATION  
Owner: Yorke and Jane Beaver  
Location or Site: 2675 Statesville Blvd  
Description of sampling point: Gab @ patio - spigot rear  
Sampling Method: \_\_\_\_\_  
Remarks: \_\_\_\_\_  
(Pump, baller, etc.)

LABORATORY ANALYSIS

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC	mg/L
Turbidity	NTU
Residue, Suspended 530	mg/L
pH	units
Alkalinity to pH 4.5	mg/L
Alkalinity to pH 8.3	mg/L
Carbonate	mg/L
Bicarbonate	mg/L
Carbon dioxide	mg/L
Chloride	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	c.u.
Cyanide 720	mg/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: total 900	mg/L
Hardness: (non-carb) 902	mg/L
Phenols 32730	ug/L
Specific Cond. 95	umhos/cm2
Sulfate	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
SILICA	mg/L
NH3 as N 610	mg/L
TKN as N 625	mg/L
NO2 + NO3 as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46580	ug/L
Cu-Copper 1042	ug/L
Fe-Iron 1045	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 927	mg/L
Mn-Manganese 1055	ug/L
Na-Sodium 929	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
Semivolatiles
TPH-Diesel Range
XX Volatile Organics (VOA bottle)
TPH-Benzene
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
TEMPERATURE ON ARRIVAL: <u>17</u>

LAB COMMENTS:

County: <b>ROWAN</b>	 <b>Division of Water Resources</b> <b>Final Report</b>	Sample ID: <b>AC02678</b>				
River Basin		PO Number # <b>13U0153</b>				
Report To: <b>MROAP</b>		Date Received: <b>11/20/2013</b>				
Collector: <b>G ADAMS</b>		Time Received: <b>08:00</b>				
Region: <b>MRO</b>		Labworks LoginID: <b>MSWIFT</b>				
Sample Matrix: <b>GROUNDWATER</b>		Final Report Date: <b>11/26/13</b>				
Loc. Type: <b>WATERSUPPLY</b>		Report Print Date: <b>11/26/2013</b>				
Emergency Yes/No		VisitID				
COC Yes/No <u>Yes</u>		Loc. Descr.: <b>YORKE AND JANE BEAVER</b>				
<table border="1" style="width: 100%;"> <tr> <td>Location ID: <b>NONCD0002868</b></td> <td>Collect Date: <b>11/19/2013</b></td> <td>Collect Time: <b>17:55</b></td> <td>Sample Depth</td> </tr> </table>			Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>	Collect Time: <b>17:55</b>	Sample Depth
Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>	Collect Time: <b>17:55</b>	Sample Depth			
<p><b>If this report is labeled preliminary report, the results have not been validated. Do not use for Regulatory purposes.</b></p>						

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		1.7	°C		11/21/13	CGREEN
<b>VOL</b>							
	Volatile Organics in liquid		<u>_TITLE_</u>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-71-8	Dichlorodifluoromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-87-3	Chloromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-01-4	Vinyl Chloride	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-83-9	Bromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-00-3	Chloroethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-69-4	Trichlorofluoromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-35-4	1,1-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-09-2	Methylene Chloride	10	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-60-5	trans-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
1634-04-4	Methyl Tert-Butyl Ether	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-34-3	1,1-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-59-2	cis-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-97-5	Bromochloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
67-66-3	Chloroform	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
594-20-7	2,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
107-06-2	1,2-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-55-6	1,1,1-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
563-58-6	1,1-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
56-23-5	Carbon Tetrachloride	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-43-2	Benzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-95-3	Dibromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
78-87-5	1,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-01-6	Trichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-27-4	Bromodichloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-01-5	cis-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-02-6	trans-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-00-5	1,1,2-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-88-3	Toluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wa/lab/sta/info/techassist/Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/wa/lab/sta/info/techassist/Data_Qualifier_Codes) <<http://portal.ncdenr.org/web/wa/lab/sta/info/techassist>>

NC DWR Laboratory Section Results

Location ID: **NONCD0002868**      Sample ID: **AC02678**      Collect Date: **11/19/2013**      Collect Time: **17:55**

**VOL**

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
124-48-1	Dibromochloromethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-93-4	(EDB)1,2-Dibromoethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-25-2	Bromoform	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-38-3	m,p-Xylene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	Not detected J2	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
120-82-1	1,2,4-Trichlorobenzene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
91-20-3	Naphthalene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-68-3	Hexachlorobutadiene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-61-6	1,2,3-Trichlorobenzene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist#Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist#Data_Qualifier_Codes) or <http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist>



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Pat McCrory  
Governor

Dexter R. Matthews  
Director

John E. Skvarla, III  
Secretary

December 6, 2013

Robert Cobb  
Variety World, Inc.  
414 Willow Road  
Salisbury, North Carolina 28147

Re: **Well Sampling Results (PW-3)**  
2620 Statesville Boulevard  
Salisbury, Rowan County, North Carolina  
IHSB # NONCD0002868

Dear Property Owner:

On November 19, 2013, the Inactive Hazardous Sites Branch (IHSB) collected a groundwater sample from a residential water-supply well at the above referenced location. The groundwater sample was submitted for laboratory analyses including select Volatile Organic Compounds (VOCs) as part of a groundwater investigation in the vicinity of Statesville Boulevard. A summary of analytical data from the November 19, 2013 sampling event as reported by the North Carolina Division of Water Resources and select historical results has been included in the following table for your review.

Lab Sample Number	Well ID	Occupant / Owner	Location	Date Sampled	Constituent ( $\mu\text{g/L}$ )			
					$\text{CHCl}_3$	$\text{CH}_3\text{Cl}$	MTBE	PCE
L377366-12	PW-3	Variety World, Inc.	2620 Statesville Boulevard	12/1/2008	<5.0	<2.5	<1.0	1.2
AC02673	PW-3	Variety World, Inc.	2620 Statesville Boulevard	11/19/2013	<0.25	<1.0	<0.25	0.73

$\text{CHCl}_3$  = Chloroform

$\text{CH}_3\text{Cl}$  = Chloromethane

MTBE = Methyl tertiary butyl ether

PCE = Tetrachloroethene

$\mu\text{g/L}$  = micrograms / Liter (~parts per billion)

Laboratory analyses of the groundwater sample collected from the onsite water-supply well reported a concentration of tetrachloroethene. The reported concentration of tetrachloroethene is below the United States Environmental Protection Agency (US EPA) Maximum Contaminant Level (MCL) for drinking water.

The data summarized above were used to conduct a Health Risk Evaluation (HRE) by Hanna Assefa of the Division of Waste Management. I have enclosed a copy of the HRE and a portion of the laboratory report. In addition, complete laboratory reports from the sampling event may be reviewed by accessing the Division's electronic records at the following web portal: <https://edm.nc.gov/DENR-Portal/>

I appreciate your participation in this groundwater assessment. If you have questions about the sampling event or need further information, please contact the Inactive Hazardous Sites Branch at (704) 663-1699.

Sincerely,



George D. Adams, PG & EI  
Environmental Engineer II  
Department of Environment and Natural Resources  
Division of Waste Management  
Superfund Section - Inactive Hazardous Sites Branch

Enclosures

cc: Current Occupant  
2620 Statesville Boulevard  
Salisbury, North Carolina 28147

ec: Tad Helmstetler  
Rowan County Health Department

Dan Graham  
NCDENR - UST

COC

DIVISION OF WASTE MANAGEMENT FIELD/LAB FORM

North Carolina  
Department of Environment and Natural Resources  
DIVISION OF WASTE MANAGEMENT SUPERFUND SECTION-IHSB

Location Code: NONCD0002868  
COUNTY: Rowan  
QUAD NO: Serial No.  
Lat. Long.

REPORT TO :  
SHIPPED BY :

COLLECTOR(S) : G. Adams DATE: 11/19/13

FIELD ANALYSES  
pH 400 — Spec. Cond. 94 at 25°C  
Temp. — Odor NO ODR  
Appearance Clear  
Field Analysis By: G. Adams

LABORATORY ANALYSIS

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC	mg/l
Turbidity	NTU
Residue, Suspended 530	mg/L
pH	units
Alkalinity to pH 4.5	mg/L
Alkalinity to pH 8.3	mg/L
Carbonate	mg/L
Bicarbonate	mg/L
Carbon dioxide	mg/L
Chloride	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	c.u.
Cyanide 720	mg/L

SAMPLE TYPE      SAMPLE PRIORITY

Water                       Routine

Soil                             Emergency

Other                            Chain of Custody

PLW-3

Lab Number 13U 0148  
Date Received 11-20-13 Time: 0806  
Rec'd By: From: Bus, Courier, Hand Del.  
Other: How  
Data Entry By: Ck:

Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Other X (Investigation) RESOURCE EVALUATION

Owner: Peter Sh Variety World Inc (Robert Cobb)

Location or Site: 2620 Statesville Blvd

Description of sampling point: Grab

Sampling Method: adjacent to (Pump, ball, etc) SW @ rear NE corner of tank

Remarks: (Pumping Time, Air Temp., etc.)

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46560	ug/L
Cu-Copper 1042	ug/L
Fe-Iron 1045	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 927	mg/L
Mn-Manganese 1055	ug/L
Na-Sodium 929	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L
Organochlorine Pesticides	
Organophosphorus Pesticides	
Nitrogen Pesticides	
Acid Herbicides	
Semi-volatiles	
TPH-Diesel Range	
XX Volatile Organics (VOA bottle)	
1,2-Dibromo	
TPH-Gasoline Range	
TPH-BTEX Gasoline Range	
LAB USE ONLY	
TEMPERATURE ON ARRIVAL:	<u>17</u>

LAB COMMENTS :

FOR DISSOLVED ANALYSIS - SUBMIT FILTERED SAMPLE AND WRITE "DIS" IN BLOCK

GW-54 REV. 7/03

County: ROWAN  
 River Basin  
 Report To: MROAP  
 Collector: G ADAMS  
 Region: MRO  
 Sample Matrix: GROUNDWATER  
 Loc. Type: WATERSUPPLY  
 Emergency Yes/No  
 COC Yes/No Yes

# DWR

Division of Water Resources

## Final Report

Sample ID: **AC02673**  
 PO Number #: **13U0148**  
 Date Received: **11/20/2013**  
 Time Received: **08:00**  
 Labworks LoginID: **MSWIFT**  
 Final Report Date: **11/26/13**  
 Report Print Date: **11/26/2013**

VisitID

Loc. Descr.: VARIETY WORLD, INC. ROBERT COBB

Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>	Collect Time: <b>10:40</b>	Sample Depth
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**If this report is labeled preliminary report, the results have not been validated. Do not use for Regulatory purposes.**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		1.7	°C		11/21/13	CGREEN
<b>VOL</b>							
	Volatile Organics in liquid		<u>_TITLE_</u>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-71-8	Dichlorodifluoromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-87-3	Chloromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-01-4	Vinyl Chloride	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-83-9	Bromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-00-3	Chloroethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-69-4	Trichlorofluoromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-35-4	1,1-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-09-2	Methylene Chloride	10	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-60-5	trans-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
1634-04-4	Methyl Tert-Butyl Ether	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-34-3	1,1-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-59-2	cis-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-97-5	Bromochloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
67-66-3	Chloroform	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
594-20-7	2,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
107-06-2	1,2-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-55-6	1,1,1-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
563-58-6	1,1-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
56-23-5	Carbon Tetrachloride	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-43-2	Benzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-95-3	Dibromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
78-87-5	1,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-01-6	Trichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-27-4	Bromodichloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-01-5	cis-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-02-6	trans-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-00-5	1,1,2-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-88-3	Toluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdennr.org/web/wa/lab/stafinfo/techassist/Data\\_Qualifier\\_Codes.shtml](http://portal.ncdennr.org/web/wa/lab/stafinfo/techassist/Data_Qualifier_Codes.shtml)

NC DWR Laboratory Section Results

Location ID: NONCD0002868

Sample ID: AC02673

Collect Date: 11/19/2013

Collect Time: 10:40

**VOL**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
124-48-1	Dibromochloromethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-93-4	(EDB)1,2-Dibromoethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
127-18-4	Tetrachloroethene	0.25	0.73	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-25-2	Bromoform	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-38-3	m,p-Xylene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	Not detected J2	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
120-82-1	1,2,4-Trichlorobenzene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
91-20-3	Naphthalene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-68-3	Hexachlorobutadiene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-61-6	1,2,3-Trichlorobenzene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wg/lab/staffinfo/techassist/Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/wg/lab/staffinfo/techassist/Data_Qualifier_Codes) <http://portal.ncdenr.org/web/wg/lab/staffinfo/techassist>

December 05, 2013

**MEMORANDUM**

**TO:** George Adams, Environmental Engineer  
Inactive Hazardous Sites Branch  
Superfund Section

**FROM:** Hanna Assefa, Industrial Hygiene Consultant  
Superfund Section

**RE:** Health Risk Evaluation  
Variety World  
**PW3**  
2620 Statesville Boulevard  
Salisbury, Rowan County, North Carolina  
NONCD0002868

A water sample was collected from the water supply well at the subject address on November 19, 2013. Tetrachloroethene was detected in the well water at a concentration that was below its applicable standard. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (15A NCAC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	Concentrations ug/l	USEPA MCL ug/l	15A NCAC 2L ug/l
AC02673	Tetrachloroethene	0.73	5	**

Ug/l = Micrograms of contaminant in liter of water.  
\*\*Not applicable



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Pat McCrory  
Governor

Dexter R. Matthews  
Director

John E. Skvarla, III  
Secretary

December 6, 2013

Jayda Trayah  
185 Wilton Lane  
Salisbury, North Carolina 28147

Re: **Well Sampling Results (PW-7)**  
185 Wilton Lane  
Salisbury, Rowan County, North Carolina  
IHSB # NONCD0002868

Dear Property Owner:

On November 19, 2013, the Inactive Hazardous Sites Branch (IHSB) collected a groundwater sample from a residential water-supply well at the above referenced location. The groundwater sample was submitted for laboratory analyses including select Volatile Organic Compounds (VOCs) as part of a groundwater investigation in the vicinity of Statesville Boulevard. A review of the laboratory data suggests that **no VOCs were detected** in the groundwater sample from the November 19, 2013 sampling event.

I appreciate your participation in this investigation, and I have enclosed a portion of the laboratory report. If you have questions, need additional information, or would like to review the laboratory report from this assessment in its entirety, please contact me at (704) 663-1699.

Sincerely,

George D. Adams, PG & EI  
Environmental Engineer II  
Department of Environment and Natural Resources  
Division of Waste Management  
Superfund Section - Inactive Hazardous Sites Branch

Enclosure

cc: Tad Helmstetler  
Rowan County Health Department

Dan Graham  
NC DENR - UST

610 East Center Avenue, Suite 301, Mooresville, North Carolina 28115  
Phone: (704)-663-1699 Internet: <http://portal.ncdenr.org/web/wm>

COC

DIVISION OF WASTE MANAGEMENT FIELD/LAB FORM

North Carolina  
Department of Environment and Natural Resources  
DIVISION OF WASTE MANAGEMENT SUPERFUND SECTION-IHSB

Location Code: NONCD0002868

COUNTY: Rowan

QUAD NO: Serial No.

Lat. Long.

REPORT TO :  
SHIPPED BY :

COLLECTOR(S) : G. Adams DATE: 11/19/13

FIELD ANALYSES  
pH 7.35 Spec. Cond. 94 at 25°C

Temp. 17.35

Appearance clear / colorless

Field Analysis By: G. Adams

LABORATORY ANALYSIS

BOD 310	mg/L
COD High 340	mg/L
COD Low 235	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC	mg/L
Turbidity	NTU
Residue, Suspended 530	mg/L
pH	units
Alkalinity to pH 4.5	mg/L
Alkalinity to pH 8.3	mg/L
Carbonate	mg/L
Bicarbonate	mg/L
Carbon dioxide	mg/L
Chloride	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	c.u.
Cyanide 720	mg/L

SAMPLE TYPE

Water

Soil

Other

SAMPLE PRIORITY

Routine

Emergency

Chain of Custody

Pw-7

Lab Number 1300152  
Date Received 11-20-13 Time: 0800  
Rec'd By: HPM From: Bus, Courier, Hand Del.  
Data Entry By: HPM Ck: \_\_\_\_\_  
Reported: \_\_\_\_\_

Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Other X (Investigation) RESOURCE EVALUATION

Owner: Jayda Trayah  
Location or Site: 185 Wilton Lane  
Description of sampling point: Grab spigot @ WSW  
Sampling Method: (Pump, Boiler, etc)  
Remarks:

(Pumping Time, Air Temp., etc.)

Dis. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: total 900	mg/L
Hardness: (non-carb) 902	mg/L
Phenols 22730	mg/L
Specific Cond. 95	umhos/cm2
Sulfate	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
SILICA	mg/L
NH3 as N 610	mg/L
TKN as N 625	mg/L
NO2 +NO3 as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	ug/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46560	ug/L
Cu-Copper 1042	ug/L
Fe- Iron 1045	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 927	mg/L
Mn-Manganese 1055	ug/L
Nb-Sodium 929	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Organochlorine Pesticides
Organophosphorus Pesticides
Nitrogen Pesticides
Acid Herbicides
Semivolatiles
TPH-Diesel Range
XX Volatile Organics (VOA bottle)
1,4 Dioxane
TPH-Gasoline Range
TPH-BTEX Gasoline Range
LAB USE ONLY
TEMPERATURE ON ARRIVAL: <u>17</u>

LAB COMMENTS :

FOR DISSOLVED ANALYSIS - SUBMIT FILTERED SAMPLE AND WRITE "DIS" IN BLOCK

GW-54 REV. 7/03

County: <b>ROWAN</b>	 <b>Division of Water Resources</b> <b>Final Report</b>	Sample ID: <b>AC02677</b>				
River Basin		PO Number #: <b>13U0152</b>				
Report To: <b>MROAP</b>		Date Received: <b>11/20/2013</b>				
Collector: <b>G ADAMS</b>		Time Received: <b>08:00</b>				
Region: <b>MRQ</b>		Labworks LoginID: <b>MSWIFT</b>				
Sample Matrix: <b>GROUNDWATER</b>		Final Report Date: <b>11/26/13</b>				
Loc. Type: <b>WATERSUPPLY</b>		Report Print Date: <b>11/26/2013</b>				
Emergency Yes/No		VisitID				
COC Yes/No <b>Yes</b>		Loc. Descr.: <b>JAYDA TRAYAH; 185 WILTON LANE</b>				
<table border="1" style="width: 100%;"> <tr> <td>Location ID: <b>NONCD0002868</b></td> <td>Collect Date: <b>11/19/2013</b></td> <td>Collect Time: <b>17:35</b></td> <td>Sample Depth</td> </tr> </table>			Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>	Collect Time: <b>17:35</b>	Sample Depth
Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>	Collect Time: <b>17:35</b>	Sample Depth			

**If this report is labeled preliminary report, the results have not been validated. Do not use for Regulatory purposes.**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		1.7	°C		11/21/13	CGREEN
<b>VOL</b>							
	Volatile Organics in liquid		_TITLE_	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-71-8	Dichlorodifluoromethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-87-3	Chloromethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-01-4	Vinyl Chloride	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-83-9	Bromomethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-00-3	Chloroethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-69-4	Trichlorofluoromethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
1634-04-4	Methyl Tert-Butyl Ether	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-95-3	Dibromomethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wg/lab/stafinfo/techassist/Data\\_Qualifier\\_Codes.cfm?pxtal.ncdenr.org/web/wg/lab/stafinfo/techassist](http://portal.ncdenr.org/web/wg/lab/stafinfo/techassist/Data_Qualifier_Codes.cfm?pxtal.ncdenr.org/web/wg/lab/stafinfo/techassist)

NC DWR Laboratory Section Results

Location ID: **NONCD0002868**

Sample ID: **AC02677**

Collect Date: **11/19/2013**

Collect Time: **17:35**

**VOL**

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
142-28-9	1,3-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
124-48-1	Dibromochloromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-93-4	(EDB)1,2-Dibromoethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
127-18-4	Tetrachloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-90-7	Chlorobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-41-4	Ethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-25-2	Bromoform	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-38-3	m,p-Xylene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-42-5	Styrene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-34-5	1,1,2,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
630-20-6	1,1,1,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-47-6	o-Xylene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-18-4	1,2,3-Trichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-82-8	Isopropylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-86-1	Bromobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
103-65-1	n-Propylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-49-8	2-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-43-4	4-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-67-8	1,3,5-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-06-6	tert-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-63-6	1,2,4-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
135-98-8	sec-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
541-73-1	m-Dichlorobenzene (1,3)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-46-7	p-Dichlorobenzene (1,4)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-50-1	o-Dichlorobenzene (1,2)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
99-87-6	p-Isopropyltoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
104-51-8	n-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	<b>Not detected J2</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
120-82-1	1,2,4-Trichlorobenzene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
91-20-3	Naphthalene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-68-3	Hexachlorobutadiene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-61-6	1,2,3-Trichlorobenzene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Pat McCrory  
Governor

Dexter R. Matthews  
Director

John E. Skvarla, III  
Secretary

December 6, 2013

Allen & Tammy Walton  
2680 Statesville Boulevard  
Salisbury, North Carolina 28147

Re: **Well Sampling Results (PW-8)**  
2680 Statesville Boulevard  
Salisbury, Rowan County, North Carolina  
IHSB # NONCD0002868

Dear Property Owners:

On November 19, 2013, the Inactive Hazardous Sites Branch (IHSB) collected a groundwater sample from a residential water-supply well at the above referenced location. The groundwater sample was submitted for laboratory analyses including select Volatile Organic Compounds (VOCs) as part of a groundwater investigation in the vicinity of Statesville Boulevard. A summary of analytical data from the November 19, 2013 sampling event as reported by the North Carolina Division of Water Resources has been included in the following table for your review.

Lab Sample Number	Well ID	Occupant / Owner	Location	Date Sampled	Constituent (µg/L)			
					CHCl <sub>3</sub>	CH <sub>3</sub> Cl	MTBE	PCE
AC02674	PW-8	Allen & Tammy Walton	2680 Statesville Boulevard	11/19/2013	<0.25	<1.0	1.8	1.3

CHCl<sub>3</sub> = Chloroform

CH<sub>3</sub>Cl = Chloromethane

MTBE = Methyl tertiary butyl ether

PCE = Tetrachloroethene

µg/L = micrograms / Liter (~parts per billion)

Laboratory analyses of the groundwater sample collected from the onsite water-supply well reported concentrations of methyl tertiary butyl ether and tetrachloroethene. The reported concentration of methyl tertiary butyl ether is below the North Carolina Groundwater Standard (15A NCAC 2L). The reported concentration of tetrachloroethene is below the United States Environmental Protection Agency (US EPA) Maximum Contaminant Level (MCL) for drinking water.

The data summarized above were used to conduct a Health Risk Evaluation (HRE) by Hanna Assefa of the Division of Waste Management. I have enclosed a copy of the HRE and a portion of the laboratory report. In addition, complete laboratory reports from the sampling event may be reviewed by accessing the Division's electronic records at the following web portal: <https://edm.nc.gov/DENR-Portal/>

I appreciate your participation in this groundwater assessment. If you have questions about the sampling event or need further information, please contact the Inactive Hazardous Sites Branch at (704) 663-1699.

Sincerely,



George D. Adams, PG & EI  
Environmental Engineer II  
Department of Environment and Natural Resources  
Division of Waste Management  
Superfund Section - Inactive Hazardous Sites Branch

Enclosures

ec: Tad Helmstetler  
Rowan County Health Department

Dan Graham  
NCDENR - UST

COC

DIVISION OF WASTE MANAGEMENT FIELD/LAB FORM

North Carolina Department of Environment and Natural Resources DIVISION OF WASTE MANAGEMENT SUPERFUND SECTION-HSB

Location Code: NONCD002868

COUNTY: Rowan

QUAD NO: Serial No.

Lat. Long.

REPORT TO:

SHIPPED BY:

COLLECTOR(S): G. Adams

DATE: 11/19/13

FIELD ANALYSES

TIME: 1110

pH 400 Spec. Cond. 94 at 25°C

Temp. Odor No odor

Appearance Clear/Colorless

Field Analysis By: G. Adams

LABORATORY ANALYSIS

Table with 2 columns: Parameter (e.g., BOD 310, COD High 340, COD Low 335, Coliform: MF Fecal 31616, Coliform: MF Total 31504, TOC, Turbidity, Residue, Suspended 530, pH, Alkalinity to pH 4.5, Alkalinity to pH 8.3, Carbonate, Bicarbonate, Carbon dioxide, Chloride, Chromium: Hex 1032, Color: True 80, Cyanide 720) and Unit (e.g., mg/L, mg/L, mg/L, /100ml, mg/l, NTU, mg/L, units, mg/L, mg/L, mg/L, mg/L, mg/L, c.u., mg/L).

SAMPLE TYPE: Water [checked], Soil, Other. SAMPLE PRIORITY: Routine [checked], Emergency, Chain of Custody [checked].

Lab Number: 13U014874  
Date Received: 11-20-13  
Time: 0809  
From: Bus, Courier, Hand Del.,  
Other: HPA  
Data Entry By: HPA  
Data:   
Reported:   
PW-8

Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Other X (Investigation), RESOURCE EVALUATION

Owner: Jane + Ted Walton (Tammey) (Allen)

Location or Site: 2680 Statesville Blvd

Description of sampling point: Grab

Sampling Method: Carport

Remarks: (Pump, boiler, etc) Spigot (Sampling Time, Air Temp., etc.)

Table with 2 columns: Analyte (e.g., Ag-Silver 46566, Al-Aluminum 46557, As-Arsenic 46551, Ba-Barium 46558, Ca-Calcium 46552, Cd-Cadmium 46559, Cr-Chromium 46560, Cu-Copper 1042, Fe-Iron 1045, Hg-Mercury 71900, K-Potassium 46555, Mg-Magnesium 927, Mn-Manganese 1055, Na-Sodium 929, Ni-Nickel, Pb-Lead 46564, Se-Selenium, Zn-Zinc 46567) and Unit (e.g., ug/L, ug/L, ug/L, ug/L, ug/L, ug/L, ug/L, ug/L, ug/L, mg/L, mg/L, mg/L, mg/L, mg/L, mg/L, mg/L, mg/L, mg/L, mg/L).

LAB COMMENTS:

LAB USE ONLY TEMPERATURE ON ARRIVAL: 17

FOR DISSOLVED ANALYSIS - SUBMIT FILTERED SAMPLE AND WRITE "DIS" IN BLOCK

GW-54 REV. 7/03

County: <b>ROWAN</b>	 <b>Division of Water Resources</b> <b>Final Report</b>	Sample ID: <b>AC02674</b>
River Basin		PO Number #: <b>13U0149</b>
Report To: <b>MROAP</b>		Date Received: <b>11/20/2013</b>
Collector: <b>G ADAMS</b>		Time Received: <b>08:00</b>
Region: <b>MRO</b>		Labworks LoginID: <b>MSWIFT</b>
Sample Matrix: <b>GROUNDWATER</b>		Final Report Date: <b>11/26/13</b>
Loc. Type: <b>WATERSUPPLY</b>		Report Print Date: <b>11/26/2013</b>
Emergency Yes/No		VisitID
COC Yes/No <b>Yes</b>		
Loc. Descr.: <b>JANE AND TED WALTON; TAMMY ALLEN</b>		

Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>	Collect Time: <b>11:10</b>	Sample Depth
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**If this report is labeled preliminary report, the results have not been validated. Do not use for Regulatory purposes.**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		1.7	°C		11/21/13	CGREEN
<b>VOL</b>							
	Volatile Organics in liquid		<u>  </u> _TITLE_ <u>  </u>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-71-8	Dichlorodifluoromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-87-3	Chloromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-01-4	Vinyl Chloride	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-83-9	Bromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-00-3	Chloroethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-69-4	Trichlorofluoromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-35-4	1,1-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-09-2	Methylene Chloride	10	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-60-5	trans-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
1634-04-4	Methyl Tert-Butyl Ether	0.25	1.8	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-34-3	1,1-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-59-2	cis-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-97-5	Bromochloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
67-66-3	Chloroform	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
594-20-7	2,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
107-06-2	1,2-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-55-6	1,1,1-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
563-58-6	1,1-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
56-23-5	Carbon Tetrachloride	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-43-2	Benzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-95-3	Dibromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
78-87-5	1,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-01-6	Trichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-27-4	Bromodichloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-01-5	cis-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-02-6	trans-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-00-5	1,1,2-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-88-3	Toluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/vw/lab/staffinfo/techassist#Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/vw/lab/staffinfo/techassist#Data_Qualifier_Codes) <http://portal.ncdenr.org/web/vw/lab/staffinfo/techassist>

NC DWR Laboratory Section Results

Location ID: **NONCD0002868**

Sample ID: **AC02674**

Collect Date: **11/19/2013**

Collect Time: **11:10**

**VOL**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
124-48-1	Dibromochloromethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-93-4	(EDB)1,2-Dibromoethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
127-18-4	Tetrachloroethene	0.25	1.3	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-25-2	Bromoform	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-38-3	m,p-Xylene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	Not detected J2	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
120-82-1	1,2,4-Trichlorobenzene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
91-20-3	Naphthalene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-68-3	Hexachlorobutadiene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-61-6	1,2,3-Trichlorobenzene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

December 06, 2013

**MEMORANDUM**

**TO:** George Adams, Environmental Engineer  
Inactive Hazardous Sites Branch  
Superfund Section

**FROM:** Hanna Assefa, Industrial Hygiene Consultant  
Superfund Section

**RE:** Health Risk Evaluation  
Allen & Tammy Walton Residential Well  
**PW8**  
2680 Statesville Boulevard  
Statesville, Rowan County, North Carolina  
IHSB # NONCD00028682620

A water sample was collected from the water supply well at the subject address on November 19, 2013. Contaminants were detected in the well water at a concentration below applicable standards. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (15A NCAC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Chemical	Concentrations ug/l	USEPA MCL ug/l	15A NCAC 2L ug/l
AC02674	Tetrachloroethene	1.3	5	**
	Methyl tertiary butyl ether	1.8	*	20

ug/l = Micrograms of contaminant in liter of water.

\*\*Not applicable



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Pat McCrory  
Governor

Dexter R. Matthews  
Director

John E. Skvarla, III  
Secretary

December 6, 2013

Jayne Walton  
2720 Statesville Boulevard  
Salisbury, North Carolina 28147

Re: **Well Sampling Results (PW-9)**  
2720 Statesville Boulevard  
Salisbury, Rowan County, North Carolina  
IHSB # NONCD0002868

Dear Property Owner:

On November 19, 2013, the Inactive Hazardous Sites Branch (IHSB) collected a groundwater sample from a residential water-supply well at the above referenced location. The groundwater sample was submitted for laboratory analyses including select Volatile Organic Compounds (VOCs) as part of a groundwater investigation in the vicinity of Statesville Boulevard. A review of the laboratory data suggests that **no VOCs were detected** in the groundwater sample from the November 19, 2013 sampling event.

I appreciate your participation in this investigation, and I have enclosed a portion of the laboratory report. If you have questions, need additional information, or would like to review the laboratory report from this assessment in its entirety, please contact me at (704) 663-1699.

Sincerely,

George D. Adams, PG & EI  
Environmental Engineer II  
Department of Environment and Natural Resources  
Division of Waste Management  
Superfund Section - Inactive Hazardous Sites Branch

Enclosure

cc: Tad Helmstetler  
Rowan County Health Department

Dan Graham  
NCDENR - UST

COC

DIVISION OF WASTE MANAGEMENT FIELD/LAB FORM

North Carolina  
Department of Environment and Natural Resources  
DIVISION OF WASTE MANAGEMENT SUPERFUND SECTION-IHSB

Location Code: NONCD0002868  
COUNTY: Rowan

QUAD NO: \_\_\_\_\_  
Lat. \_\_\_\_\_ Long. \_\_\_\_\_

REPORT TO: \_\_\_\_\_  
SHIPPED BY: \_\_\_\_\_

COLLECTOR(S): G. Adams DATE: 11/19/13

FIELD ANALYSES  
pH 4.0 Spec. Cond. 94 at 25°C  
Temp. \_\_\_\_\_ Odor NO odor

Appearance \_\_\_\_\_  
Field Analysis By: G. Adams

LABORATORY ANALYSIS

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC	mg/L
Turbidity	NTU
Residue, Suspended 530	mg/L
pH	units
Alkalinity to pH 4.5	mg/L
Alkalinity to pH 8.3	mg/L
Carbonate	mg/L
Bicarbonate	mg/L
Carbon dioxide	mg/L
Chloride	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	c.u.
Cyanide 720	mg/L

SAMPLE TYPE      SAMPLE PRIORITY

Water                       Routine

Soil                         Emergency

Other                        Chain of Custody

PW-9

Lab Number ACC02675  
Date Received 11-20-13 Time: 08:00  
Rec'd By: HPM From: Bus. Courier, Hand Del.  
Data Entry By: \_\_\_\_\_ Ck: \_\_\_\_\_  
Data Reported: \_\_\_\_\_

Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Other X (Investigation) RESOURCE EVALUATION

Owner: Wayne + Ted Walton  
Location or Site: 2720 Starksville Blvd  
Description of sampling point: Grab => sample @ WWSW site  
Sampling Method: \_\_\_\_\_  
Remarks: \_\_\_\_\_  
(Pump, boiler, etc.)

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46560	ug/L
Cu-Copper 1042	ug/L
Fe-Iron 1045	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 927	mg/L
Mn-Manganese 1055	ug/L
Na-Sodium 929	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: total 900	mg/L
Hardness: (non-carb) 902	mg/L
Phenols 32730	ug/L
Specific Cond. 95	umhos/cm2
Sulfate	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
SILICA	mg/L
NH3 as N 610	mg/L
TKN as N 625	mg/L
NO2 + NO3 as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

Organochlorine Pesticides	
Organophosphorus Pesticides	
Nitrogen Pesticides	
Acid Herbicides	
Semivolatiles	
TPH-Diesel Range	
XX Volatile Organics (VDA bottle)	
TPH-Dioxane	
TPH-Gasoline Range	
TPH-BTEX Gasoline Range	

LAB COMMENTS:

GW-54 REV. 7/03

FOR DISSOLVED ANALYSIS - SUBMIT FILTERED SAMPLE AND WRITE "DIS" IN BLOCK

County: **ROWAN**

River Basin

Report To: **MROAP**Collector: **G ADAMS**Region: **MRO**Sample Matrix: **GROUNDWATER**Loc. Type: **WATERSUPPLY**

Emergency Yes/No

COC Yes/No

**Yes**

VisitID

Loc. Descr.: **JANE AMD TED WALTON****Final Report**

Sample ID:

**AC02675**

PO Number #

**13U0150**

Date Received:

**11/20/2013**

Time Received:

**08:00**

Labworks LoginID

**MSWIFT**

Final Report Date:

**11/26/13**

Report Print Date:

**11/26/2013**Location ID: **NONCD0002868**Collect Date: **11/19/2013**Collect Time: **11:25**

Sample Depth

**If this report is labeled preliminary report, the results have not been validated. Do not use for Regulatory purposes.**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		1.7	°C		11/21/13	CGREEN
<b>VOL</b>							
	Volatile Organics in liquid		<u>_TITLE_</u>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-71-8	Dichlorodifluoromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-87-3	Chloromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-01-4	Vinyl Chloride	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-83-9	Bromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-00-3	Chloroethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-69-4	Trichlorofluoromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-35-4	1,1-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-09-2	Methylene Chloride	10	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-60-5	trans-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
1634-04-4	Methyl Tert-Butyl Ether	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-34-3	1,1-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-59-2	cis-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-97-5	Bromochloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
67-66-3	Chloroform	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
594-20-7	2,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
107-06-2	1,2-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-55-6	1,1,1-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
563-58-6	1,1-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
56-23-5	Carbon Tetrachloride	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-43-2	Benzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-95-3	Dibromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
78-87-5	1,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-01-6	Trichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-27-4	Bromodichloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-01-5	cis-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-02-6	trans-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-00-5	1,1,2-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-88-3	Toluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

NC DWR Laboratory Section Results

Location ID: **NONCD0002868**

Sample ID: **AC02675**

Collect Date: **11/19/2013**

Collect Time: **11:25**

**VOL**

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
142-28-9	1,3-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
124-48-1	Dibromochloromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-93-4	(EDB)1,2-Dibromoethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
127-18-4	Tetrachloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-90-7	Chlorobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-41-4	Ethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-25-2	Bromoform	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-38-3	m,p-Xylene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-42-5	Styrene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-34-5	1,1,2,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
630-20-6	1,1,1,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-47-6	o-Xylene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-18-4	1,2,3-Trichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-82-8	Isopropylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-86-1	Bromobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
103-65-1	n-Propylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-49-8	2-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-43-4	4-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-67-8	1,3,5-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-06-6	tert-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-63-6	1,2,4-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
135-98-8	sec-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
541-73-1	m-Dichlorobenzene (1,3)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-46-7	p-Dichlorobenzene (1,4)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-50-1	o-Dichlorobenzene (1,2)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
99-87-6	p-Isopropyltoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
104-51-8	n-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	<b>Not detected J2</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
120-82-1	1,2,4-Trichlorobenzene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
91-20-3	Naphthalene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-68-3	Hexachlorobutadiene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-61-6	1,2,3-Trichlorobenzene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS



North Carolina Department of Environment and Natural Resources  
Division of Waste Management

Pat McCrory  
Governor

Dexter R. Matthews  
Director

John E. Skvarla, III  
Secretary

December 6, 2013

Peter & Nancy DeCoster  
215 Wilton Lane  
Salisbury, North Carolina 28147

Re: **Well Sampling Results (PW-10)**  
215 Wilton Lane  
Salisbury, Rowan County, North Carolina  
IHSB # NONCD0002868

Dear Property Owners:

On November 19, 2013, the Inactive Hazardous Sites Branch (IHSB) collected a groundwater sample from a residential well at the above referenced location. The groundwater sample was submitted for laboratory analyses including select Volatile Organic Compounds (VOCs) as part of a groundwater investigation in the vicinity of Statesville Boulevard. A review of the laboratory data suggests that **no VOCs were detected** in the groundwater sample from the November 19, 2013 sampling event.

I appreciate your participation in this investigation, and I have enclosed a portion of the laboratory report. If you have questions, need additional information, or would like to review the laboratory report from this assessment in its entirety, please contact me at (704) 663-1699.

Sincerely,

George D. Adams, PG & EI  
Environmental Engineer II  
Department of Environment and Natural Resources  
Division of Waste Management  
Superfund Section - Inactive Hazardous Sites Branch

Enclosure

cc: Tad Helmstetler  
Rowan County Health Department

Dan Graham  
NCDENR - UST

COC

DIVISION OF WASTE MANAGEMENT FIELD/LAB FORM

North Carolina  
Department of Environment and Natural Resources  
DIVISION OF WASTE MANAGEMENT SUPERFUND SECTION-IHSB

Location Code: NONCD0002868

COUNTY: Rowan

QUAD NO: \_\_\_\_\_ Serial No. \_\_\_\_\_

Lat. \_\_\_\_\_ Long. \_\_\_\_\_

REPORT TO: \_\_\_\_\_

SHIPPED BY: \_\_\_\_\_

COLLECTOR(S): G. Adams DATE: 11/19/13

FIELD ANALYSES TIME: 1010

pH 4.00 Spec. Cond. 94 at 25°C

Temp. \_\_\_\_\_ Odor No odor

Appearance Clear/colorless

Field Analysis By: G. Adams

LABORATORY ANALYSES

BOD 310	mg/L
COD High 340	mg/L
COD Low 335	mg/L
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC	mg/L
Turbidity	NTU
Residue, Suspended 530	mg/L
pH	units
Alkalinity to pH 4.5	mg/L
Alkalinity to pH 8.3	mg/L
Carbonate	mg/L
Bicarbonate	mg/L
Carbon dioxide	mg/L
Chloride	mg/L
Chromium: Hex 1032	ug/L
Color: True 80	c.u.
Cyanide 720	mg/L

SAMPLE TYPE  Water  Soil  Other

SAMPLE PRIORITY  Routine  Emergency

Chain of Custody

PW-10

Lab Number 130 0147 AC02672

Date Received 11-20-13 Time: 08:00

Rec'd By: HPM From: Bus Courier, Hand Del.

Data Entry By: \_\_\_\_\_ Ck: \_\_\_\_\_

Data Reported: \_\_\_\_\_

Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Other X (Investigation), RESOURCE EVALUATION

Owner: Peter + Nancy Peoster

Location or Site: 215 Wilton Lane

Description of sampling point Grab

Sampling Method: sampled onsite

Remarks: (Pump, boiler, etc) West - Coast of Hwy C

Ag-Silver 46566	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Ca-Calcium 46552	mg/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46560	ug/L
Cu-Copper 1042	ug/L
Fe-Iron 1045	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 927	mg/L
Mn-Manganese 1055	ug/L
Na-Sodium 929	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Disc. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: total 900	mg/L
Hardness: (non-carb) 902	mg/L
Phenols 32730	ug/L
Specific Cond. 95	umhos/cm2
Sulfate	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
SILICA	mg/L
NH3 as N 610	mg/L
TKN as N 625	mg/L
NO2 +NO3 as N 630	mg/L
P. Total as P 665	mg/L
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

Organochlorine Pesticides	
Organophosphorus Pesticides	
Nitrogen Pesticides	
Acid Herbicides	
Semivolatiles	
TPH-Diesel Range	
XXI Volatile Organics (VOA bottle)	
L4 Dioxane	
TPH-Gasoline Range	
TPH-BTEX Gasoline Range	

LAB COMMENTS:

FOR DISSOLVED ANALYSIS - SUBMIT FILTERED SAMPLE AND WRITE "DIS" IN BLOCK

County: <b>ROWAN</b>	Sample ID: <b>AC02672</b>
River Basin	PO Number #: <b>13U0147</b>
Report To: <b>MROAP</b>	Date Received: <b>11/20/2013</b>
Collector: <b>G ADAMS</b>	Time Received: <b>08:00</b>
Region: <b>MRO</b>	Labworks LoginID: <b>MSWIFT</b>
Sample Matrix: <b>GROUNDWATER</b>	Final Report Date: <b>11/26/13</b>
Loc. Type: <b>WATERSUPPLY</b>	Report Print Date: <b>11/26/2013</b>
Emergency Yes/No	VisitID
COC Yes/No <b>Yes</b>	
<b>Final Report</b>	
Loc. Desc.: <b>PETER AND NANCY DEGOSTA</b>	
Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>
Collect Time: <b>10:10</b>	Sample Depth

**If this report is labeled preliminary report, the results have not been validated. Do not use for Regulatory purposes.**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		1.7	°C		11/21/13	CGREEN
<b>VOL</b>							
	Volatile Organics in liquid		<u>  </u> <b>_TITLE_</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-71-8	Dichlorodifluoromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-87-3	Chloromethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-01-4	Vinyl Chloride	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-83-9	Bromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-00-3	Chloroethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-69-4	Trichlorofluoromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-35-4	1,1-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-09-2	Methylene Chloride	10	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-60-5	trans-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
1634-04-4	Methyl Tert-Butyl Ether	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-34-3	1,1-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-59-2	cis-1,2-Dichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-97-5	Bromochloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
67-66-3	Chloroform	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
594-20-7	2,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
107-06-2	1,2-Dichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-55-6	1,1,1-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
563-58-6	1,1-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
56-23-5	Carbon Tetrachloride	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-43-2	Benzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-95-3	Dibromomethane	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
78-87-5	1,2-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-01-6	Trichloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-27-4	Bromodichloromethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-01-5	cis-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-02-6	trans-1,3-Dichloropropene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-00-5	1,1,2-Trichloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-88-3	Toluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wa/lab/staffinfo/techassist#Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/wa/lab/staffinfo/techassist#Data_Qualifier_Codes) <http://portal.ncdenr.org/web/wa/lab/staffinfo/techassist#>

NC DWR Laboratory Section Results

Location ID: NONCD0002868

Sample ID: AC02672

Collect Date: 11/19/2013

Collect Time: 10:10

VOL

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
142-28-9	1,3-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
124-48-1	Dibromochloromethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-93-4	(EDB)1,2-Dibromoethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
127-18-4	Tetrachloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-90-7	Chlorobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-41-4	Ethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-25-2	Bromoform	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-38-3	m,p-Xylene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-42-5	Styrene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-34-5	1,1,2,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
630-20-6	1,1,1,2-Tetrachloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-47-6	o-Xylene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-18-4	1,2,3-Trichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-82-8	Isopropylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-86-1	Bromobenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
103-65-1	n-Propylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-49-8	2-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-43-4	4-Chlorotoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-67-8	1,3,5-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-06-6	tert-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-63-6	1,2,4-Trimethylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
135-98-8	sec-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
541-73-1	m-Dichlorobenzene (1,3)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-46-7	p-Dichlorobenzene (1,4)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-50-1	o-Dichlorobenzene (1,2)	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
99-87-6	p-Isopropyltoluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
104-51-8	n-Butylbenzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	Not detected J2	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
120-82-1	1,2,4-Trichlorobenzene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
91-20-3	Naphthalene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-68-3	Hexachlorobutadiene	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-61-6	1,2,3-Trichlorobenzene	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section>> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist#Data\\_Qualifier\\_Codes](http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist#Data_Qualifier_Codes)



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Pat McCrory  
Governor

Dexter R. Matthews  
Director

John E. Skvarla, III  
Secretary

December 6, 2013

Harry & Susan Lippard  
145 Majolica Road  
Salisbury, North Carolina 28147

Re: **Well Sampling Results (PW-16)**  
145 Majolica Road  
Salisbury, Rowan County, North Carolina  
IHSB # NONCD0002868

Dear Property Owners:

On November 19, 2013, the Inactive Hazardous Sites Branch (IHSB) collected a groundwater sample from a residential water-supply well at the above referenced location. The groundwater sample was submitted for laboratory analyses including select Volatile Organic Compounds (VOCs) as part of a groundwater investigation in the vicinity of Statesville Boulevard. A summary of analytical data from the November 19, 2013 sampling event as reported by the North Carolina Division of Water Resources and select historical results has been included in the following table for your review.

Lab Sample Number	Well ID	Occupant / Owner	Location	Date Sampled	Constituent (µg/L)			
					CHCl <sub>3</sub>	CH <sub>3</sub> Cl	MTBE	PCE
LJ23003-006	PW-16	Harry & Susan Lippard	145 Majolica Road	10/23/2011	0.57	0.65	5.1	2.0
AC02676	PW-16	Harry & Susan Lippard	145 Majolica Road	11/19/2013	<0.25	<1.0	6.0	<0.25

CHCl<sub>3</sub> = Chloroform

CH<sub>3</sub>Cl = Chloromethane

MTBE = Methyl tertiary butyl ether

PCE = Tetrachloroethene

µg/L = micrograms / Liter (~parts per billion)

Laboratory analyses of the groundwater sample collected from the onsite water-supply well reported a concentration of methyl tertiary butyl ether. The reported concentration of methyl tertiary butyl ether is below the North Carolina Groundwater Standard (15A NCAC 2L).

Harry & Susan Lippard  
December 6, 2013  
Page 2 of 2

The data summarized above were used to conduct a Health Risk Evaluation (HRE) by Hanna Assefa of the Division of Waste Management. I have enclosed a copy of the HRE and a portion of the laboratory report. In addition, complete laboratory reports from the sampling event may be reviewed by accessing the Division's electronic records at the following web portal: <https://edm.nc.gov/DENR-Portal/>

I appreciate your participation in this groundwater assessment. If you have questions about the sampling event or need further information, please contact the Inactive Hazardous Sites Branch at (704) 663-1699.

Sincerely,



George D. Adams, PG & EI  
Environmental Engineer II  
Department of Environment and Natural Resources  
Division of Waste Management  
Superfund Section - Inactive Hazardous Sites Branch

Enclosures

cc: Tad Helmstetler  
Rowan County Health Department

Dan Graham  
NCDENR - UST

*QDC*

**DIVISION OF WASTE MANAGEMENT FIELD/LAB FORM**

North Carolina  
Department of Environment and Natural Resources  
DIVISION OF WASTE MANAGEMENT SUPERFUND SECTION/HSB

Location Code: NONCD0002868  
 COUNTY: Rowan  
 QUAD NO: \_\_\_\_\_ Serial No. \_\_\_\_\_  
 Lat. \_\_\_\_\_ Long. \_\_\_\_\_

REPORT TO: \_\_\_\_\_  
 SHIPPED BY: \_\_\_\_\_

COLLECTOR(S): G. Adams DATE: 11/19/13

FIELD ANALYSES  
 pH<sub>400</sub> \_\_\_\_\_ Spec. Cond.<sub>94</sub> 1340 at 25°C.  
 Temp. \_\_\_\_\_ Odor: No Odor  
 Appearance: Clear / colorless  
 Field Analysis By: G. Adams

Lab Number: 13001 H2 TA  
 Date Received: 11-20-13 Time: 0800  
 Rec'd By: \_\_\_\_\_ From: Bus, Courig, Hand Del.  
 Other: HPM  
 Data Entry By: \_\_\_\_\_ Ck: \_\_\_\_\_  
 Data \_\_\_\_\_  
 Reported: \_\_\_\_\_

Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Other X (Investigation) RESOURCE EVALUATION

Owner: Harry and Susan Lipard  
 Location or Site: 145 Majolica Road  
 Description of sampling point: Grab Sample Spill near garage  
 Sampling Method: (Pump, bailer, etc)  
 Remarks: \_\_\_\_\_

PW-16

SAMPLE TYPE      SAMPLE PRIORITY

Water       Routine

Soil       Emergency

Other       Chain of Custody

LABORATORY ANALYSIS	mg/L	ug/L
BOD 310		
COD High 340	mg/L	
COD Low 335	mg/L	
Coliform: MF Fecal 31616	/100ml	
Coliform: MF Total 31504	/100ml	
TOC	mg/l	
Turbidity	NTU	
Residue, Suspended 530	mg/L	
pH	units	
Alkalinity to pH 4.5	mg/L	
Alkalinity to pH 8.3	mg/L	
Carbonate	mg/L	
Bicarbonate	mg/L	
Carbon dioxide	mg/L	
Chloride	mg/L	
Chromium: Hex 1032	ug/L	
Color: True 80	c.u.	
Cyanide 720	mg/L	

Ag-Silver 46586	ug/L
Al-Aluminum 46557	ug/L
As-Arsenic 46551	ug/L
Ba-Barium 46558	ug/L
Cs-Cesium 46552	ug/L
Cd-Cadmium 46559	ug/L
Cr-Chromium 46560	ug/L
Cu-Copper 1042	ug/L
Fe-Iron 1045	ug/L
Hg-Mercury 71900	ug/L
K-Potassium 46555	mg/L
Mg-Magnesium 927	mg/L
Mn-Manganese 1055	ug/L
Na-Sodium 929	mg/L
Ni-Nickel	ug/L
Pb-Lead 46564	ug/L
Se-Selenium	ug/L
Zn-Zinc 46567	ug/L

Diss. Solids 70300	mg/L
Fluoride 951	mg/L
Hardness: total 900	mg/L
Hardness: (non-carb) 902	mg/L
Phenols 32730	ug/L
Specific Cond. 95	umhos/cm2
Sulfate	mg/L
Sulfide 745	mg/L
Oil and Grease	mg/L
SILICA	mg/L
NH3 as N 610	mg/L
TKN as N 625	mg/L
NO2 +NO3 as N 630	mg/L
P: Total as P 665	mg/L
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

Organochlorine Pesticides	ug/L
Organophosphorus Pesticides	ug/L
Nitrogen Pesticides	ug/L
Acid Herbicides	ug/L
Semivolatiles	ug/L
TPH-Diesel Range	ug/L
XX Volatile Organics (VOA bottle)	ug/L
1,4-Dioxane	ug/L
TPH-Gasoline Range	ug/L
TPH-BTEX Gasoline Range	ug/L

LAB COMMENTS: \_\_\_\_\_

LAB USE ONLY  
 TEMPERATURE ON ARRIVAL: 17

FOR DISSOLVED ANALYSIS - SUBMIT FILTERED SAMPLE AND WRITE "DIS" IN BLOCK

GW-54 REV. 7/03

DWM-DWG Lab Field Sheet 1.xlsx

County: **ROWAN**  
 River Basin  
 Report To: **MROAP**  
 Collector: **G ADAMS**  
 Region: **MRO**  
 Sample Matrix: **GROUNDWATER**  
 Loc. Type: **WATERSUPPLY**  
 Emergency Yes/No  
 COC Yes/No **Yes**

# DWR

**Division of Water Resources**

## Final Report

Sample ID: **AC02676**  
 PO Number #: **13U0151**  
 Date Received: **11/20/2013**  
 Time Received: **08:00**  
 Labworks LoginID: **MSWIFT**  
 Final Report Date: **11/26/13**  
 Report Print Date: **11/26/2013**

VisitID

Loc. Descr.: **HARRY AND SUSAN LIPPARD**

Location ID: <b>NONCD0002868</b>	Collect Date: <b>11/19/2013</b>	Collect Time: <b>13:40</b>	Sample Depth
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**If this report is labeled preliminary report, the results have not been validated. Do not use for Regulatory purposes.**

CAS #	Analyte Name	PQL	Result/ Qualifier	Units	Method Reference	Analysis Date	Validated by
<b>LAB</b>							
	Sample temperature at receipt by lab		1.7	°C		11/21/13	CGREEN
<b>VOL</b>							
	Volatile Organics in liquid		<u>  </u> TITLE <u>  </u>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-71-8	Dichlorodifluoromethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-87-3	Chloromethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-01-4	Vinyl Chloride	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-83-9	Bromomethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-00-3	Chloroethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-69-4	Trichlorofluoromethane	0.50	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-35-4	1,1-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-09-2	Methylene Chloride	10	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-60-5	trans-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
1634-04-4	Methyl Tert-Butyl Ether	0.25	6.0	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-34-3	1,1-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
156-59-2	cis-1,2-Dichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-97-5	Bromochloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
67-66-3	Chloroform	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
594-20-7	2,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
107-06-2	1,2-Dichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-55-6	1,1,1-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
563-58-6	1,1-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
56-23-5	Carbon Tetrachloride	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
71-43-2	Benzene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
74-95-3	Dibromomethane	1.0	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
78-87-5	1,2-Dichloropropane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-01-6	Trichloroethene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-27-4	Bromodichloromethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-01-5	cis-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
10061-02-6	trans-1,3-Dichloropropene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-00-5	1,1,2-Trichloroethane	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-88-3	Toluene	0.25	Not detected	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

Laboratory Section >> 1623 Mail Service Center, Raleigh, NC 27699-1623 (919) 733-3908

For a detailed description of the qualifier codes refer to [http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist/Data\\_Qualifier\\_Codes.html](http://portal.ncdenr.org/web/wo/lab/staffinfo/techassist/Data_Qualifier_Codes.html)

NC DWR Laboratory Section Results

Location ID: **NONCD0002868**

Sample ID: **AC02676**

Collect Date: **11/19/2013**

Collect Time: **13:40**

**VOL**

<u>CAS #</u>	<u>Analyte Name</u>	<u>PQL</u>	<u>Result/ Qualifier</u>	<u>Units</u>	<u>Method Reference</u>	<u>Analysis Date</u>	<u>Validated by</u>
142-28-9	1,3-Dichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
124-48-1	Dibromochloromethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-93-4	(EDB)1,2-Dibromoethane	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
127-18-4	Tetrachloroethene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-90-7	Chlorobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-41-4	Ethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
75-25-2	Bromoform	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-38-3	m,p-Xylene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
100-42-5	Styrene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
79-34-5	1,1,2,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
630-20-6	1,1,1,2-Tetrachloroethane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-47-6	o-Xylene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-18-4	1,2,3-Trichloropropane	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-82-8	Isopropylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-86-1	Bromobenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
103-65-1	n-Propylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-49-8	2-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-43-4	4-Chlorotoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
108-67-8	1,3,5-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
98-06-6	tert-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-63-6	1,2,4-Trimethylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
135-98-8	sec-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
541-73-1	m-Dichlorobenzene (1,3)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
106-46-7	p-Dichlorobenzene (1,4)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
95-50-1	o-Dichlorobenzene (1,2)	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
99-87-6	p-Isopropyltoluene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
104-51-8	n-Butylbenzene	0.25	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	<b>Not detected J2</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
120-82-1	1,2,4-Trichlorobenzene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
91-20-3	Naphthalene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-68-3	Hexachlorobutadiene	0.50	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS
87-61-6	1,2,3-Trichlorobenzene	1.0	<b>Not detected</b>	ug/L	EPA5030/624/8260	11/20/13	VANDREWS

December 05, 2013

**MEMORANDUM**

**TO:** George Adams, Environmental Engineer  
Inactive Hazardous Sites Branch  
Superfund Section

**FROM:** Hanna Assefa, Industrial Hygiene Consultant  
Superfund Section

**RE:** Health Risk Evaluation  
Harry & Susan Lippard Residential Well  
PW-16  
145 Majolica Rd.  
Salisbury, Rowan County

A water sample was collected from the water supply well at the subject address on November 19, 2013. Methyl tertiary butyl ether was detected in the well water at a concentration that was below its applicable standard. The standards used to determine if the water is suitable for drinking and cooking are the federal drinking water standards (USEPA MCL), or where there is no MCL, the North Carolina Groundwater Quality Standard (15A NCAC 2L).

If contaminant concentrations exceed the applicable standards for using the water for drinking and cooking, the contaminant concentrations are further analyzed to determine if the water is suitable for other household uses, such as showering, bathing, washing dishes, flushing toilets, and hand washing. **Therefore, based on this evaluation the water from this well can be used for drinking, cooking and all other residential purposes listed above.** The table below compares the detected contaminant concentrations with the applicable standards:

Sample #	Contaminant	Concentration ug/l	USEPA MCL ug/l	15A NCAC 2L Ug/l
AC02676	Methyl tertiary butyl ether	6	*	20

ug/l = Micrograms contaminant per liter of water

\*Not available