



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

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

October 2, 2012

Ms. Carolyn Callihan
US EPA Region IV Waste Division
Atlanta Federal Building
61 Forsyth St., 11th Floor
Atlanta, GA 30303-3104

Subject: Pre-CERCLIS Site Assessment (PSA)
Stony Hill Road TCE Site
Stony Hill Road
Wake Forest, Wake County, NC 27587

Dear Ms. Callihan:

This site was pre-screened for potential listing under CERCLA. Based on findings of this Pre-CERCLIS Site Assessment (PSA), it is recommended that this site be listed on CERCLIS for further study.

The site is located along Stony Hill Road, Bud Morris Road, Bent Road and Churchill Drive approximately 0.5 miles north of the intersection of Stony Hill Road and NC Highway 98. This is located approximately 3.75 miles west of Wake Forest. The coordinates of the site are 35.9895° north latitude and -78.6080° west longitude (Fig. 1). They are based on the location of the shed that used degreasers during the operation of a circuit board assembling operation at 7303 Stony Hill Road.

In August, 2005, Charles Arnold (7305 Stony Hill Road) contacted Mr. Greg Bright of Wake County Environmental Services Department to complain of a petroleum smell in his water. The sample collected on August 25, 2005, from his well documented well contamination with tetrachloroethylene (PCE 39 microgram per liter (ug/l)); trichloroethylene (TCE 110 ug/l); 1,1,1-trichloroethane (1,1,1-TCA 19.2 ug/l) and 1,1-dichloroethene (1,1-DCE 7.7 ug/l) (Ref. 1). NC Division of Water Quality (NC DWQ) was contacted (Ref. 2) and re-sampled this well, plus two other wells immediately south of the impacted well. The two new wells were not impacted (Ref. 3). Four additional wells across Stony Hill Road (SHR) were sampled but no detections were documented (Ref. 4). The house on the property at 7305 SHR was hooked up to the well serving 7303 SHR, which was documented to be clean. Soil samples collected from areas around 7303 and 7305 SHR were shown to be contaminated with PCE at level between 13 and 32 ug/kg and a trace amount of TCE (Ref. 5). Additional soil sampling by a contractor for the owner of 7303 SHR in June 2006 verified low levels of PCE and TCE in the soils around the building on 7303 SHR (Ref.6).

Ms. Callihan
October 2, 2012
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With no additional wells being impacted and the single affected house being supplied alternate water, NC DWQ made efforts from 2006 until 2007 to work with the current landowner to implement a site investigation. In 2007, the site was transferred from NC DWQ to NC Division of Waste Management (NC DWM) Inactive Hazardous Sites Branch (IHSB). From 2007 until 2012, NC DWM continued to try to identify PRPs and have them conduct a Site Assessment under IHSB oversight. In June, 2012, IHSB personnel contacted 10 residences within 1000 feet of the site to obtain access to sample their wells. Three of the residents granted access (7303, 7305 and 7333 SHR). Wells at 7305 and 7333 SHR have been impacted by PCE and TCE above the current MCL (5 ug/l) (Ref. 8).

On July 10, 2012 Jim Bateson of NC DWM referred the site to EPA Region 4 Emergency Response and Removal Branch (ERRB) via telephone and e-mail (Ref. 9). Since that time ERRB has sampled over 100 residences in the area around the site, including 11 community wells (Fig.4). Of these, 10 private wells have contamination at levels above the TCE Maximum Contaminant Level (MCL) of 5 ug/l. An additional 5 private wells have TCE at levels above the Drinking Water Screening Concentration Benchmark for Cancer of 1 ug/l and two wells had detections below this concentration. Currently, four filter systems have been installed and bottled water is being supplied to the remaining private well close to or above the MCL. Possible waterline extensions from nearby community well systems are being evaluated as a long term remedy.

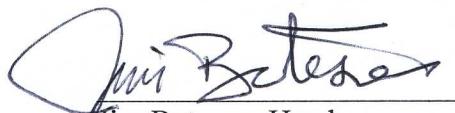
The surface water drainage flows in a general west to southwest direction until it enters Falls Lake, the nearest perennial water body at a point about 0.9 miles downstream from the areas with impacted groundwater (Fig. 5). The only identified qualifying wetlands parcel is located immediately adjacent to Falls Lake (Fig. 6). Falls Lake is a fishery.

Based on the number of private wells that have been impacted by contaminants, it is recommended that this site be added to CERCLIS for further study under CERCLA. If you have any questions, please contact Jim Bateson at james.bateson@ncdenr.gov (919) 707-8329.

Sincerely,



Harry Zinn
Environmental Engineer
NC Superfund Section



Jim Bateson, Head
Site Evaluation & Removal Branch
NC Superfund Section

Attachments

cc: File

References:

1. Bright, Greg, Wake County Environmental Services, Analysis Report for sample collected on 8/25/2005.
2. NC Division of Water Quality Incident Report Number 200502678 dated 10/11/2005.
3. NC Division of Water Quality, Chemistry Laboratory Report for well samples collected on 10/13/2005.
4. NC Division of Water Quality, Chemistry Laboratory Report for well samples collected on 10/26/2005.
5. NC Division of Water Quality, Chemistry Laboratory Report for soil samples collected on 12/08/2005.
6. NC Division of Water Quality, Chemistry Laboratory Report for soil samples collected on 03/31/2006.
7. Agra Environmental to Don Albright, RE: Soil and Groundwater Results, Don Albright Property 6/12/2006
8. NC DWM, Inactive Hazardous Sites Branch June 2012 Well Sampling Event 6/21/2012.
9. Bateson, James NC DWM Referral to EPA Region 4 Emergency Response and Removal Branch 9/24/2012.

Figures:

- 1 NC ONEMAP DATA EXPLORER Latitude, Longitude Sheet
- 2 2005 DWQ Sampling 9/18/2012
- 3 June 2012 DWM Potable Well Sampling 9/18/2012
- 4 OTIE Figure 10 Stony Hill Sample Results as of 9/14/2012
- 5 2012 Sediment Sampling 9/18/2012
- 6 US Fish and Wildlife Service, National Wetlands Inventory 9/24/2012

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Harry Zinn/Environmental Engineer 10/3/2012
 (Name/Title) (Date)
217 W Jones Street, Raleigh, North Carolina 919-707-8374
 (Address) (Phone)
harry.zinn@ncdenr.gov
 (E-Mail Address)

Site Name: Stony Hill Road TCE

Previous Names (if any):

Site Location: Stony Hill Road
 (Street)
Wake Forest North Carolina 27587
 (City) (ST) (Zip)

Latitude: 35.9938⁰ **Longitude:** -78.6111⁰

Complete the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please explain all "yes" answer(s), attach additional sheets if necessary:

The site is currently subject to a Removal Action by EPA Region 4 ERRB. The NC Division of Waste Management, Inactive Hazardous Sites Branch (IHSB) is trying to solicit cooperation from several PRPs to perform a Site Assessment for the site. None of the potentially responsible parties solicited by the IHSB have agreed to conduct assessment and cleanup.

- Site Determination:**
- Enter the site into CERCLIS. Further assessment is recommended (explain below).
 - The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE:

In August 2005, Wake County Environmental Services Department sampled a well at 7305 Stony Hill Road (SHR) in response to a citizen request. Chlorinated solvents above the Maximum Contaminant Level (MCL) were detected. The site was referred to the NC Division of Water Quality who re-sampled the original well, along with two other nearby wells. Only the initial well was impacted. The residence was hooked up to a neighbor's clean well. Four more wells across SHR were sampled in August 2005 and shown not to be impacted. Soils around the 7303 and 7305 STH properties were sampled in December 2005 and March 2006. The maximum PCE level detected in soil was 32 ug/kg and TCE was 3 ug/kg. Additional soils sampling by Agra Environmental, contracted by Mr. Don Albright, in May 2006 indicated impacts to the soils around a drain line that originated from a sink in the small shed behind the facilities at 7303 SHR. PCE, TCE and 1,1,1-TCA were detected at levels less than 11 ug/kg.

In June 2012, NC Division of Waste Management (DWM, Inactive Hazardous Sites Branch (IHSB) contacted 10 residences around the site to perform follow-up sampling. Three residences granted permission. Samples collected at 7305 and 7333 SHR indicated impact by PCE and TCE above the Maximum Contaminant Levels (MCLs) for these compounds. NC DWM referred the site to EPA Region 4 Emergency Response and Removal Branch (ERRB) on July 10, 2012. From July through September 2012 ERRB has sampled over 100 potable wells in the vicinity of the site, including 11 community wells. 10 private wells have been impacted by TCE above the MCL, 5 additional wells are impacted above the Drinking Water Screening Concentration for cancer (1 ug/l) and two other wells have detections below this level.

Regional EPA Reviewer: Carolyn Callahan 10/5/12
Print Name/Signature Date

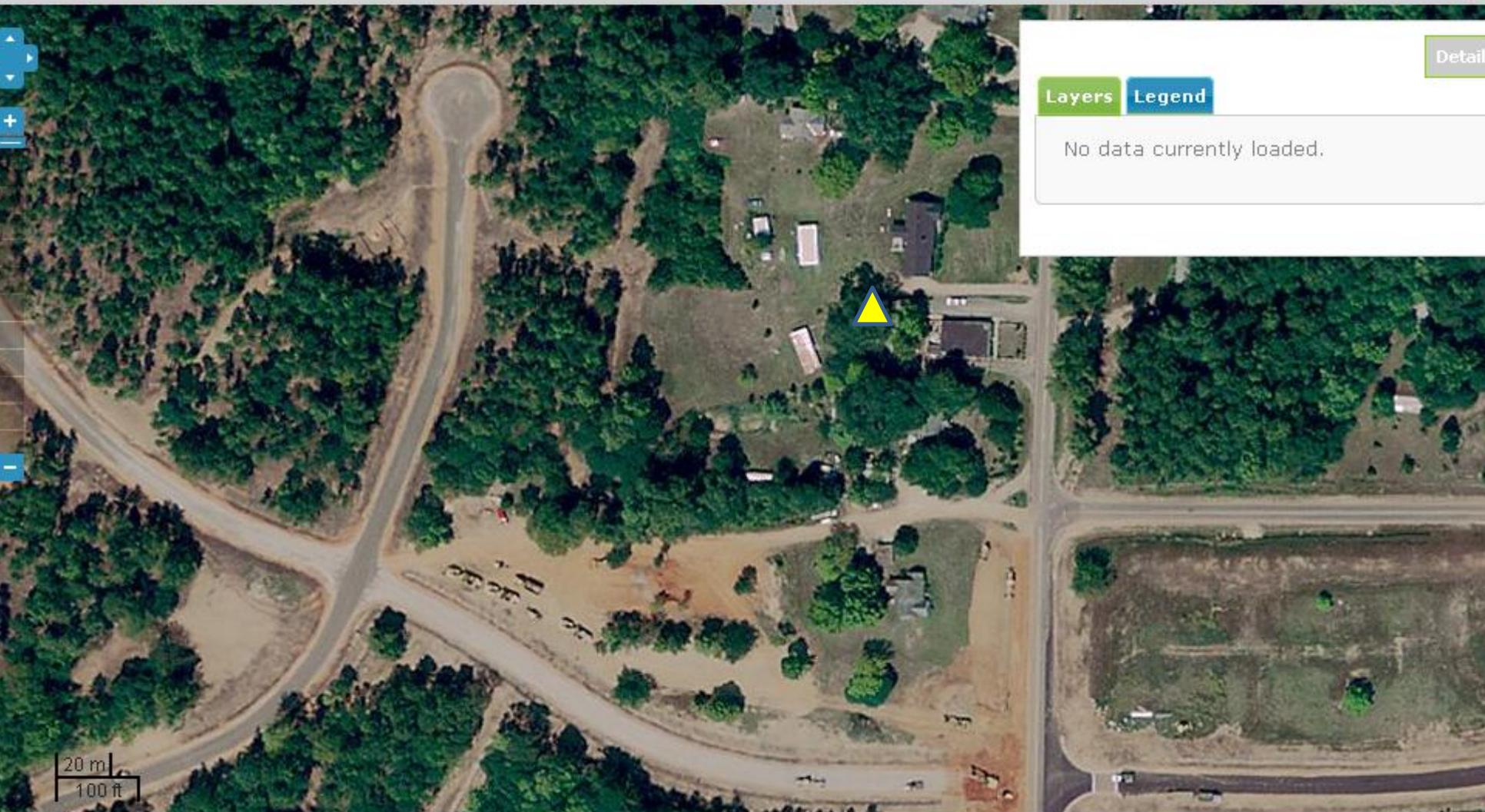
State Agency/Tribe: HARRY Z. WU / Hong Jai 10-3-2012
Print Name/Signature Date

Figure 1

NC ONEMAP DATA EXPLORER

Figure 1

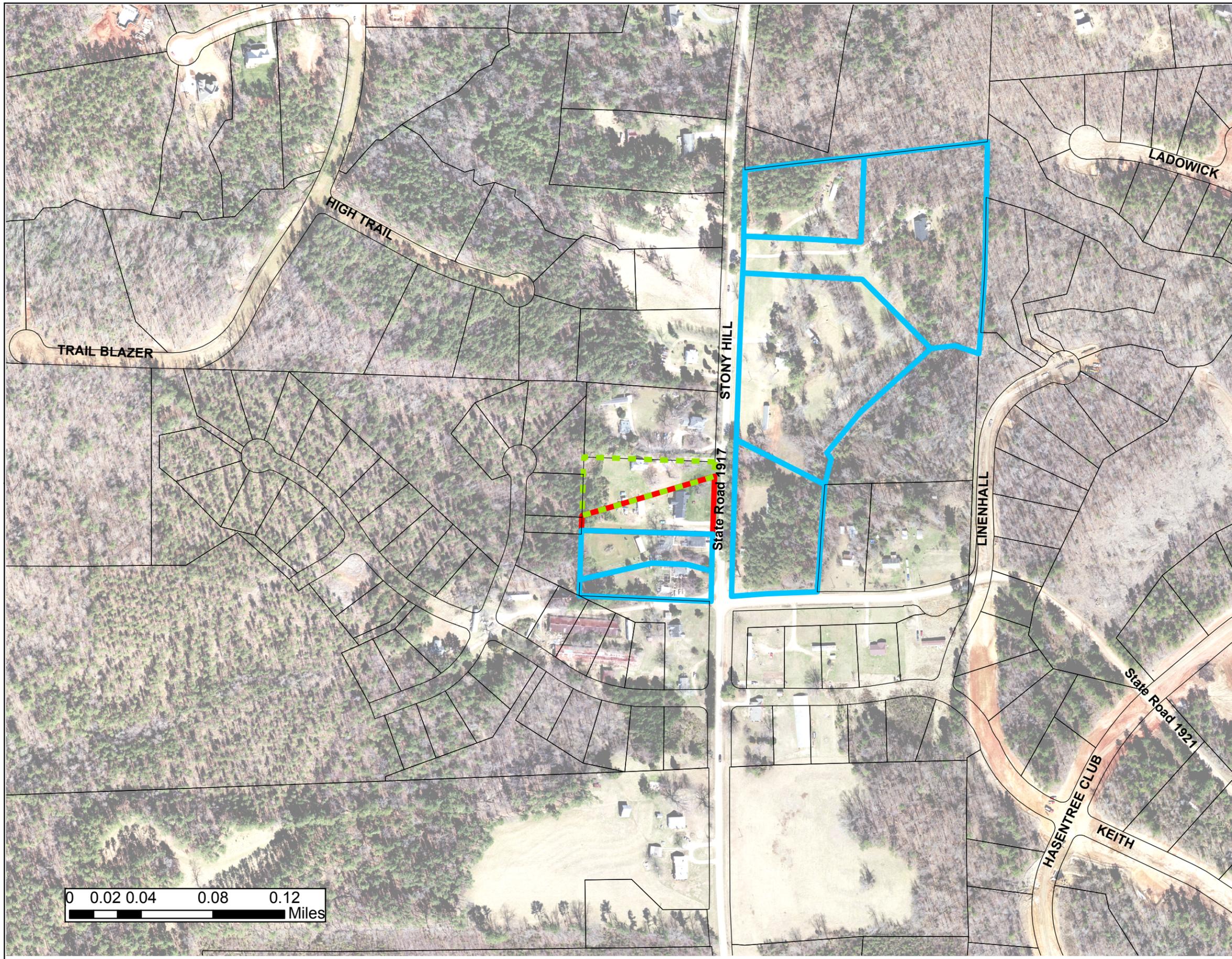
[Find Data](#) [+ Add External Service](#) [Choose BaseMap](#) [Feedback](#) [Help](#)



[Layers](#) [Legend](#) [Detail](#)

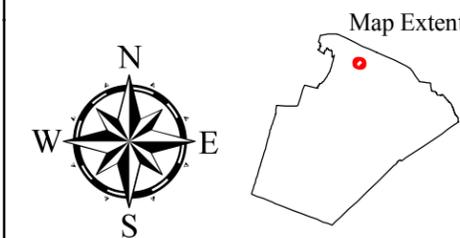
No data currently loaded.

Figure 2



Legend

-  CLEAN
-  CONTAMINATED
-  Well Dry at time of Sampling Event



2005 DWQ Sampling

Site Name:	Stony Hill TCE Site
Site Number:	TBD
Date:	September 18, 2012
Figure:	2
Scale:	As Shown

Prepared by:

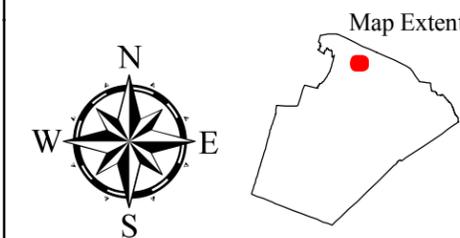


Figure 3



Legend

- Sheet1\$ Events
- CLEAN
- CONTAMINATED
- Did not grant access after IHSB request(s)



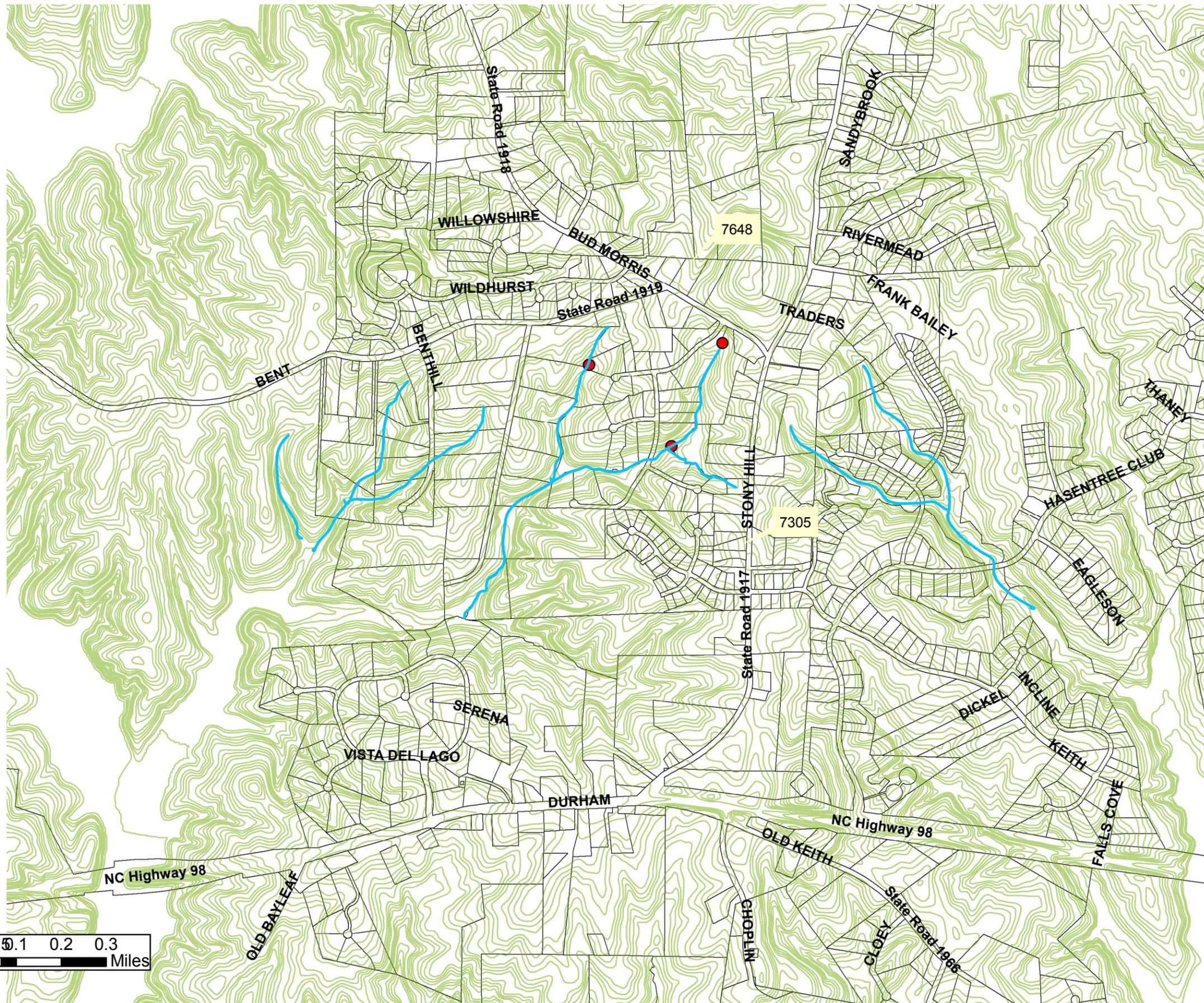
June 2012 DWM Potable Well Sampling

Site Name:	Stony Hill TCE Site
Site Number:	TBD
Date:	September 18, 2012
Figure:	3
Scale:	As Shown

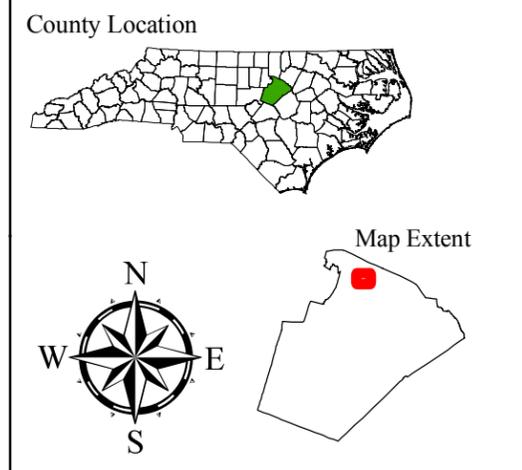
Prepared by:

Figure 4

Figure 5



- Legend
- Sediment Sample



2012 Sediment Sampling

Site Name:	Stony Hill TCE Site
Site Number:	TBD
Date:	September 18, 2012
Figure:	5
Scale:	As Shown

Prepared by:

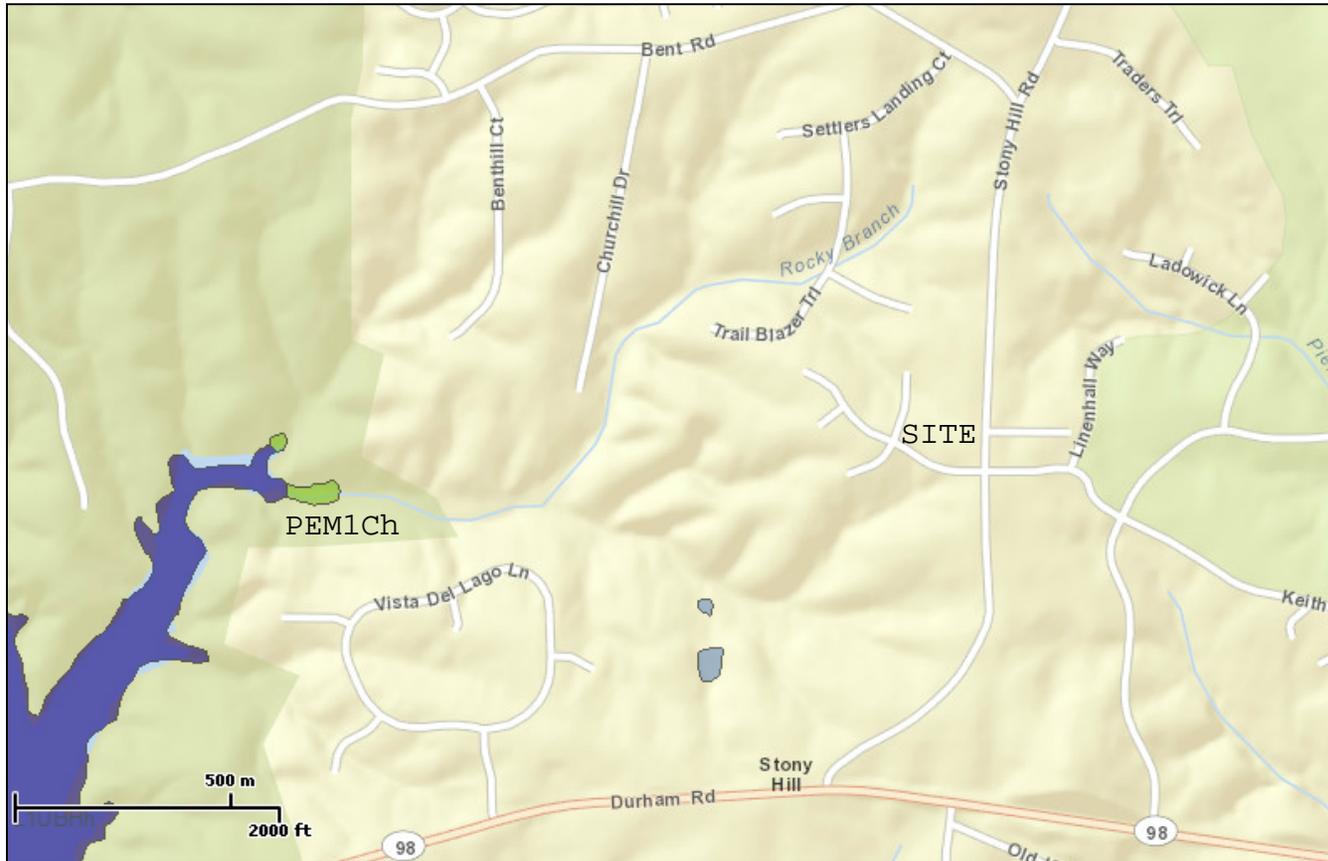
Figure 6



U.S. Fish and Wildlife Service National Wetlands Inventory

Stony Hill Road Wetlands

Sep 24, 2012



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

Figure 6

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

REFERENCE 1



Environmental Services

Soil Sample w/ 5 P. Wash.

10/3/05 10:59 AM
OCT - 4 2005
RALEIGH, NC

TEL 919 856 7400
FAX 919 856 7407

Administration

336 Fayetteville St. • P.O. Box 550 • Raleigh, NC 27602

FAX FAX FAX FAX FAX FAX

Date: 10-4-05

Total pages transmitted (including this page) 4

To: Jay Zimmerman

Fax Number: 571-4718

From: Greg Bright

Comments: _____

If you did not receive the total number of transmitted pages specified above, please contact the originating office at 919-856-7400.

N.C. Department of Health and Human Services
 Division of Public Health
 State Laboratory of Public Health
 P.O. Box 28047, 306 N. Wilmington St., Raleigh, NC 27611-8047

VOC

Please Read instruction sheet.
 VOC vials contain 1:1 HCL

Environmental Sciences Analysis Report

Name of Owner, Patient Or Supply: Charles Arnold
 Address: 7305 Stony Hill Rd
Wake Forest Zip: 27587

Telephone # (919) 757 2903
422-4653
 County: Wake

Report to: Greg Bright
 Telephone # (919) 856-7465
 Address: Wake County
Env Services

Collected By: Greg Bright
 Telephone # () _____
 Date Collected: 8/25/05
 Analysis Desired: VOC

Laboratory Number	Sample #	Sample Description or Remarks	Results In
052735			SEE ATTACHED SHEET(S)
052736		TRIP BLANK (DATE: <u>06-27-05</u>)	SEE ATTACHED SHEET(S)

Date Received: 8-26-05

Date Reported: SEP 13 2005

Date Extracted: _____

Date Analyzed: 9-12-05

Reported By: Dale A. Jurlington

DIVISION OF HEALTH AND HUMAN SERVICES
STATE LABORATORY OF PUBLIC HEALTH
PO BOX 28047 - 306 N. WILMINGTON ST., RALEIGH, NC 27611

Purgeable Organic Compounds by
Gas Chromatography/Mass Spectrometry

LABORATORY # 052735

COMPOUND	NDL	µg/L	COMPOUND	NDL	µg/L
Chloromethane	2.0 µg/L	U	1,2-Dichloropropane	0.5 µg/L	U
Vinyl Chloride	2.0 µg/L	↓	Dibromomethane	0.5 µg/L	↓
Bromomethane	2.0 µg/L	↓	Bromodichloromethane	0.5 µg/L	↓
Chloroethane	2.0 µg/L	↓	cis-1,3-Dichloropropene	0.5 µg/L	↓
Trichlorofluoromethane	2.0 µg/L	↓	4-Methyl-2-Pentanone	0.5 µg/L	↓
1,1-Dichloroethene	0.5 µg/L	7.7	Toluene	0.5 µg/L	↓
Acetone	80 µg/L	U	trans-1,3-Dichloropropene	0.5 µg/L	↓
Isobutane	0.5 µg/L	↓	1,1,2-Trichloroethane	0.5 µg/L	↓
Carbon Disulfide	0.5 µg/L	↓	Tetrachloroethene	0.5 µg/L	39.0
Methylene Chloride	0.5 µg/L	↓	2-Hexanone	0.5 µg/L	U
Acrylonitrile	0.5 µg/L	↓	Dibromochloromethane	0.5 µg/L	↓
trans-1,2-Dichloroethene	0.5 µg/L	↓	Ethylene Dichloride	0.5 µg/L	↓
Methyl-t-Butyl-Ether	0.5 µg/L	↓	Chlorobenzene	0.5 µg/L	↓
1,1-Dichloroethane	0.5 µg/L	↓	1,1,1,2-Tetrachloroethane	0.5 µg/L	↓
Isopropyl Ether	0.5 µg/L	↓	Ethyl Benzene	0.5 µg/L	↓
cis-1,2-Dichloroethene	0.5 µg/L	trace	Xylenes	0.5 µg/L	↓
2-Butanone	2.0 µg/L	trace	Styrene	0.5 µg/L	↓
Tetrahydrofuran	2.0 µg/L	U	Bromoform	0.5 µg/L	↓
Chloroform	0.5 µg/L	↓	1,1,2,2-Tetrachloroethane	0.5 µg/L	↓
1,1,1-Trichloroethane	0.5 µg/L	19.2	1,2,3-Trichloropropane	0.5 µg/L	↓
Carbon Tetrachloride	0.5 µg/L	U	1,4-Dichlorobenzene	0.5 µg/L	↓
Benzene	0.5 µg/L	↓	1,2-Dichlorobenzene	0.5 µg/L	↓
1,2-Dichloroethane	0.5 µg/L	↓	1,2-Dibromo-3-Chloropropane	2.0 µg/L	↓
Trichloroethene	0.5 µg/L	110.0			

- trace - detected, but less than NDL NDL - Minimum Detection Limit
- C - Possible lab contamination or background
- J - Estimated Value
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- U - Material was analyzed for but not detected. The number is the Minimum Detection Limit
- U - Tentative identification.
- D - Sample diluted. NDLs do not apply.

(10) (3) (11) (10) (3) (11)

DIVISION OF HEALTH AND HUMAN SERVICES
STATE LABORATORY OF PUBLIC HEALTH
PO BOX 28047 - 306 N. WILMINGTON ST., RALEIGH, NC 27611

Purgeable Organic Compounds by
Gas Chromatography/Mass Spectrometry

LABORATORY # 052736
TRIP BLANK

COMPOUND	MDL	µg/L	COMPOUND	MDL	µg/L
Chloromethane	2.0 µg/L	U	1,2-Dichloropropane	0.5 µg/L	U
Vinyl Chloride	2.0 µg/L		Dibromomethane	0.5 µg/L	↓
Bromomethane	2.0 µg/L		Bromodichloromethane	0.5 µg/L	0.7
Chloroethane	2.0 µg/L		cis-1,3-Dichloropropene	0.5 µg/L	U
Trichlorofluoromethane	2.0 µg/L		4-Methyl-2-Pentanone	0.5 µg/L	
1,1-Dichloroethene	0.5 µg/L		Toluene	0.5 µg/L	
Acetone	80 ^{µg/L}		trans-1,3-Dichloropropene	0.5 µg/L	
Iodomethane	0.5 µg/L		1,1,2-Trichloroethane	0.5 µg/L	
Carbon Disulfide	0.5 µg/L		Tetrachloroethene	0.5 µg/L	
Methylene Chloride	0.5 µg/L		2-Hexanone	0.5 µg/L	↓
Acrylonitrile	0.5 µg/L		Dibromochloromethane	0.5 µg/L	0.8
trans-1,2-Dichloroethene	0.5 µg/L		Ethylene Dibromide	0.5 µg/L	U
Methyl-t-Butyl-Ether	0.5 µg/L		Chlorobenzene	0.5 µg/L	↓
1,1-Dichloroethane	0.5 µg/L		1,1,1,2-Tetrachloroethane	0.5 µg/L	↓
Isopropyl Ether	0.5 µg/L		Ethyl Benzene	0.5 µg/L	Trace
cis-1,2-Dichloroethene	0.5 µg/L		Nylenes	0.5 µg/L	U
2-Butanone	2.0 µg/L		Styrene	0.5 µg/L	1.0
Tetrahydrofuran	2.0 µg/L		Bromoform	0.5 µg/L	0.5
Chloroform	0.5 µg/L		1,1,2,2-Tetrachloroethane	0.5 µg/L	U
1,1,1-Trichloroethane	0.5 µg/L		1,2,3-Trichloropropane	0.5 µg/L	
Carbon Tetrachloride	0.5 µg/L		1,4-Dichlorobenzene	0.5 µg/L	↓
Benzene	0.5 µg/L		1,2-Dichlorobenzene	0.5 µg/L	↓
1,2-Dichloroethane	0.5 µg/L		1,2-Dibromo-3-Chloropropane	2.0 µg/L	↓
Trichloroethene	0.5 µg/L	↓			

- Trace - detected, but less than MDL MDL=Minimum Detection Limit
- C - Possible lab contamination or background
- J - Estimated Value
- K - Actual value is known to be less than value given.
- L - Actual value is known to be greater than value given.
- U - Material was analyzed for but not detected. The number is the Minimum Detection Limit.
- T - Tentative identification.
- D - Sample diluted. MDLs do not apply.

TRIP BLANK (DATE: 06-27-05)
052736

a:\mancy_frm (3/01)

REFERENCE 2



Incident Report

Report Number: 200502678

Incident Type: Complaint
Category: Water Quality / 2L
Incident Started: 10/11/2005
County: Wake
City: _____
Farm #: _____

On-Site Contact:
 First/Mid/Last Name: Charles Arnold
 Company Name: _____
 Phone: 919 757 2943
 Pager/Mobile Phone: 1

Responsible Party:

Owner: _____
 Permit: _____
 Facility: _____
 First Name: _____
 Middle Name: _____
 Last Name: _____
 Address: _____

 City/State/Zip: _____
 Phone: _____

Reported By:

First/Mid/Last Name: Greg Bright
 Company Name: _____
 Address: Wake Co Envir Health Sect
200 Fayetteville St
 City/State/Zip: Raleigh NC 27609
 Phone: (919)856-7400
 Pager/Mobile Phone: 1 (919)868-2561

<u>Material Category:</u>	<u>Estimated Qty:</u>	<u>UOM</u>	<u>Chemical Name</u>	<u>Reportable Qty. lbs.</u>	<u>Reportable Qty. kgs.</u>
---------------------------	-----------------------	------------	----------------------	-----------------------------	-----------------------------

	DD:MM:SS	Decimal	Position Method:	<u>Geodetic quality Global Posn Syst Survey</u>	
Latitude:	<u>+35°59'23"</u>	<u>35.989700</u>	Position Accuracy:	<u>Nearest Second</u>	
Longitude:	<u>--78°36'29"</u>	<u>-78.608000</u>	Position Datum:	<u>NAD83</u>	

Location of Incident: Charles Arnold Residence (Water Supply Well)

Address: 7305 Stony Hill Rd
City/State/Zip Wake Forest NC 27587

Cause/Observation:

Trichloruethane, 1,1 Dichloruethane Found in water supply well, County had sampled, RRO, APS site visit to sample, no one home.

Directions:

Six Forks Rd to 98 E to Stony Hill Rd. L to 7305 on Left

Action Taken:

Left card in door, checked with next door neighbor/ small business use's degreaser in production, neighbor would not let Department sample their well

Comments:

Three well near by, no one at home to get permission to sample the wells. New site visit and sampling required ASAP.

Incident Questions:

Did the Material reach the Surface Water? No Conveyance _____
 Surface Water Name? _____
 Did the Spill result in a Fish Kill? No Estimated Number of fish? _____
 If the Spill was from a storage tank indicate type. _____ (Above Ground or Under Ground)
 Containment? No
 Cleanup Complete? No
 Water Supply Wells within 1500ft : Yes Groundwater Impacted : Yes

Event Type	Event Date	Due Date	Comment
Incident closed			
Requested Additional Information			New Site Inspection Needed ASA
Report Entered	2005-10-11 01:41:40		
Incident Start	2005-10-11 10:15:00		

Referred to Regional Office - Primary Contact 2005-10-11 10 15:00
Report Received 2005-10-04 10 54:00

Standard Agencies Notified:

Agency Name	Phone	First Name	M.I.	Last Name	Contact Date
-------------	-------	------------	------	-----------	--------------

Other Agencies Notified:

Agency Name	Phone	First Name	M.I.	Last Name	Contact Date
-------------	-------	------------	------	-----------	--------------

DWQ Information:

Report Taken By:

Stanley J Zimmerman

Report Entered By:

Jimmie W Greer

Regional Contact:

Jimmie W Greer

Phone:

Date/Time: 2005-10-04 10:54:00 AM

2005-10-11 01 41 40 PM

2005-10-11 10 15:00 AM

Referred Via:

Phone

**Did DWQ request an additional written report?
If yes, What additional information is needed?**

New Site Inspection Needed ASAP.

REFERENCE 3

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number : **5G2518**
 Date Received : **10/13/2005**
 Time Received : **12:35 PM**
 Received By : **HMW**
 Released By : **JSW**
 Date reported : **10/19/2005**

10/20/05

COUNTY : WAKE
 QUAD NO. : _____
 REPORT TO : RRO Regional Office
 COLLECTOR(S) : J ROUSH
 DATE : 10/13/2005
 TIME : 9:45
 PURPOSE: _____

SAMPLE PRIORITY
 ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE

1

Owner: CHARLES ARNOLD
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

LABORATORY ANALYSIS

BOD 310	mg/L	Diss Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/L	Ca-Calcium 46552	mg/L	Acid Herbicides
TOC	mg/l	Specific Cond. 95	umhos/cm2	Cd-Cadmium 46559	ug/L	
Turbidity	NTU	Sulfate	mg/L	Cr-Chromium 46560	ug/L	Semivolatiles
Residue., Suspended 530	mg/L	Sulfide 745	mg/L	Cu- Copper 1042	ug/L	TPH-Diesel Range
Total Suspended solids	mg/L	MBAS	mg/L	Fe- Iron 1045	ug/L	
		Oil and Grease	mg/L	Hg- Mercury 71900	ug/L	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/L	K-Potassium 46555	mg/L	
Alkalinity to pH 4.5	mg/L	Boron		Mg- Magnesium 927	mg/L	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/L	Formaldehyde	mg/L	Mn-Manganese 1055	ug/L	TPH-BTEX Gasoline Range
Carbonate	mg/L	NH3 as N 610	mg/L	Na- Sodium 929	mg/L	
Bicarbonate	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	
Carbon dioxide	mg/L	NO2 +NO3 as n 630	mg/L	Pb-Lead 46564	ug/L	
Chloride	mg/L	P: Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium: Hex 1032	ug/L	PO4	mg/L	Zn-Zinc 46567	ug/L	
Color: True 80	c u.	Nitrate (NO3 as N) 620	mg/L			
Cyanide 720	mg/L	Nitrite (NO2 as N) 615	mg/L			

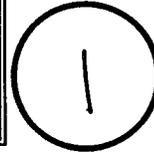
COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
 Department of Environment and Natural Resources
 DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Soil	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other	<input type="checkbox"/> Chain of Custody		



Lab Number 562518
 Date Received 051013 Time 1235
 Rec'd by: HMLW From: Bus, Courier, (Hand Del.)
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, (ARO), WaRO, WIRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, (Hand Del.), Other: _____
 Collector(s): J. ROUSH/S. Date 10-13-05 Time 9:45 Purpose: _____

FIELD ANALYSES

pH₄₀₀ 6.2 Spec. Cond.₉₄ 218 at 25° C
 Temp.₁₀ 17.2 °C Odor NONE
 Appearance CLEAR
 Field Analysis By: JIM ROUSH

Owner ~~ROUSH~~ CHARLES ARNOLD
 Location or site 7305 STONY HILL
 Description of sampling point SPIGOT @ WELHEAD
 Sampling Method 15 MINUTES Sample Interval _____
 Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
	Oil and Grease mg/l	Fe - Iron 46563 ug/l	Semivolatile Organics
pH 403 units		Hg - Mercury 71900 ug/l	TPH - Diesel Range
Alkalinity to pH 4.5 410 mg/l		K - Potassium 46555 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mg - Magnesium 46554 mg/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Mn - Manganese 46565 ug/l	
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chromium: Hex 1032 ug/l		Se - Selenium ug/l	
Color: True 80 CU		Zn - Zinc 46567 ug/l	
Cyanide 720 mg/l			

Lab Comments: Temp 4.5°C

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2518

REPORTED BY AT
CHECKED BY ALL
REVIEWED BY ALL

SUPERVISOR REK
DATE 10/13/05

SAMPLE TYPE: WATER

ENTERED BY OC
DATE 10/18/05

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	1.0	U
74-87-3	Chloromethane	1.0	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	1.0	U	79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
74-83-9	Bromomethane	5.0	U	96-18-4	1,2,3-Trichloropropane	1.0	U
75-00-3	Chloroethane	5.0	U	108-86-1	Bromobenzene	1.0	U
75-69-4	Trichlorofluoromethane	1.0	U	95-49-8	2-Chlorotoluene	1.0	U
75-35-4	1,1-Dichloroethene	1.0	8.8	106-43-4	4-Chlorotoluene	1.0	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	U	106-46-7	1,4-Dichlorobenzene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	95-50-1	1,2-Dichlorobenzene	1.0	U
594-20-7	2,2-Dichloropropane	1.0	U	96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U
156-59-4	cis-1,2-Dichloroethene	1.0	U	120-82-1	1,2,4-Trichlorobenzene	1.0	U
67-66-3	Chloroform	1.0	U	87-68-3	Hexachlorobutadiene	1.0	U
74-97-5	Bromochloromethane	1.0	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	19	1634-04-4	Methyl-tert-butyl ether	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U	71-43-2	Benzene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U	108-88-3	Toluene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	100-41-4	Ethyl benzene	1.0	U
79-01-6	Trichloroethene	2.0	110	108-38-3	m,p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	95-47-6	o-Xylene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	100-42-5	Styrene	1.0	U
74-95-3	Dibromomethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U	103-65-1	n-Propylbenzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U	108-67-8	1,3,5-Trimethylbenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	98-06-6	tert-Butylbenzene	1.0	U
127-18-4	Tetrachloroethene	1.0	32	95-63-6	1,2,4-Trimethylbenzene	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
124-48-1	Dibromochloromethane	1.0	U	99-87-6	p-isopropyltoluene	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	104-51-8	n-Butylbenzene	1.0	U
108-90-7	Chlorobenzene	1.0	U	91-20-3	Naphthalene	1.0	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L
	0.20	X

Other purgeables detected (up to 10 highest peaks)	Detected ug/L
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

COMMENTS:

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number : **5G2519**
Date Received : **10/13/2005**
Time Received : **12:35 PM**
Received By : **HMW**
QC 10/20/05
Released By : **JSW**
Date reported : **10/19/2005**

COUNTY : WAKE
QUAD NO: _____
REPORT TO : RRO Regional Office
COLLECTOR(S) : J ROUSH
DATE: 10/13/2005
TIME: 10:10
PURPOSE: _____

SAMPLE PRIORITY
 ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE

2

Owner: DON ALBRIGHT
Location or Site: _____
Description of sampling point: _____
Sampling Method: _____
Remarks: _____

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
Total Suspended solids	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
MBAS	mg/L
Oil and Grease	mg/L
Silica	mg/L
Boron	
Formaldehyde	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
PO4	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 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
Semivolatiles
TPH-Diesel Range
X Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
Quad No. _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Routine	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Soil	<input type="checkbox"/> Chain of Custody		
<input type="checkbox"/> Other			

2

Lab Number 562519
Date Received 05/01/13 Time 1235
Rec'd by: HMLW From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del. Other: _____
Collector(s): J. ROUSH Date 10-13-05 Time 10:10 Purpose: _____

FIELD ANALYSES CREEK

pH₄₀₀ 6.5 Spec. Cond.₉₄ 160 at 25°C
Temp.₁₀ 18.1 °C Odor NONE
Appearance CLEAR
Field Analysis By: J. ROUSH

Owner DON ALBRIGHT (circle one)
Location or site 7303 STONY HILL
Description of sampling point SPIGOT @ WELL HEAD
Sampling Method 15 MINUTES Sample Interval _____
Remarks _____
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310	mg/l
COD High 340	mg/l
COD Low 335	mg/l
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm ²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatile Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gasoline Range	

Lab Comments: _____ Temp 4.5°C

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2519

REPORTED BY VAVA
CHECKED BY AKC
REVIEWED BY AKC

SUPERVISOR REK
DATE 10/18/05

SAMPLE TYPE: WATER

ANALYTICAL RESULTS

ENTERED BY AKC
DATE 10/18/05

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.25	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethene	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	U	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	U
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethane	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
 N- Tentatively Identified, not confirmed
 J- Estimated Value
 U- Samples analyzed for this compound but not detected
 X- Sample not analyzed for this compound
 N3- Estimated concentration is <PQL and >MDL
 # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L 0.20	mg/L X
--	--------------	-----------

Other purgeables detected (up to 10 highest peaks) Detected ug/L

NO VOLATILE ORGANIC COMPOUNDS
 DETECTED BY GC/MS.

COMMENTS:

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G2520
Date Received :	10/13/2005
Time Received :	12.35 PM
Received By :	HMW
Released By :	JSW
Date reported :	10/19/2005

JC 10/20/05

COUNTY : WAKE
 QUAD NO : _____
 REPORT TO : RRO Regional Office
 COLLECTOR(S) : J ROUSH
 DATE : 10/13/2005
 TIME : 10:30
 PURPOSE : _____

SAMPLE PRIORITY

ROUTINE EMERGENCY

CHAIN OF CUSTODY

SAMPLE TYPE

3

Owner: FRANK LEBRON
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

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
Total Suspended solids	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
MBAS	mg/L
Oil and Grease	mg/L
Silica	mg/L
Boron	
Formaldehyde	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
PO4	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 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
Semivolatiles
TPH-Diesel Range
X Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range

COMMENTS : _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2520

REPORTED BY VAV
CHECKED BY AKC
REVIEWED BY AKC

SUPERVISOR REK
DATE 10/13/05

SAMPLE TYPE: WATER

ENTERED BY AKC
DATE 10/18/05

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.25	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethene	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	U	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	U
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L
	0.20	X

Other purgeables detected (up to 10 highest peaks) Detected ug/L

NO VOLATILE ORGANIC COMPOUNDS	_____
DETECTED BY GC/MS.	_____
_____	_____
_____	_____

COMMENTS:

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number : **5G2521**
 Date Received : **10/13/2005**
 Time Received : **12:35 PM**
 Received By : **JMW**
 Released By : **JSW**
 Date reported : **10/19/2005**

JC 10/20/05

COUNTY : WAKE
 QUAD NO. : _____
 REPORT TO : RRO Regional Office
 COLLECTOR(S) : J ROUSH
 DATE : 10/13/2005
 TIME : _____
 PURPOSE : _____

SAMPLE PRIORITY

ROUTINE EMERGENCY

CHAIN OF CUSTODY

SAMPLE TYPE

4

Owner: TRIP BLANK - CHARLES ARNOLD
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

LABORATORY ANALYSIS

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness: (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/L	Ca-Calcium 46552	mg/L	
TOC	mg/l	Specific Cond. 95	umhos/cm2	Cd-Cadmium 46559	ug/L	Semivolatiles
Turbidity	NTU	Sulfate	mg/L	Cr-Chromium 46560	ug/L	TPH-Diesel Range
Residue., Suspended 530	mg/L	Sulfide 745	mg/L	Cu- Copper 1042	ug/L	
Total Suspended solids	mg/L	MBAS	mg/L	Fe- Iron 1045	ug/L	
		Oil and Grease	mg/L	Hg- Mercury 71900	ug/L	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/L	K-Potassium 46555	mg/L	
Alkalinity to pH 4.5	mg/L	Boron		Mg- Magnesium 927	mg/L	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/L	Formaldehyde	mg/L	Mn-Manganese 1055	ug/L	TPH-BTEX Gasoline Range
Carbonate	mg/L	NH3 as N 610	mg/L	Na- Sodium 929	mg/L	
Bicarbonate	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	
Carbon dioxide	mg/L	NO2 +NO3 as n 630	mg/L	Pb-Lead 46564	ug/L	
Chloride	mg/L	P: Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium: Hex 1032	ug/L	PO4	mg/L	Zn-Zinc 46567	ug/L	
Color: True 80	c u.	Nitrate (NO ₃ as N) 620	mg/L			
Cyanide 720	mg/L	Nitrite (NO ₂ as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
Quad No. _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Soil	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other			
<input type="checkbox"/> Chain of Custody			

4

Lab Number 562521
Date Received 05/10/13 Time 12:35
Rec'd by: HML From: Bus, Courier, Hand Del.,
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): J. ROUSH Date 10-13-05 Time _____ Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES / GREEN

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
Temp.₁₀ _____ °C Odor _____
Appearance _____

Owner TRIP BLANK - CHARLES ARNOLD
Location or site INVEST.
Description of sampling point _____
Sampling Method _____ Sample Interval _____
Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

Field Analysis By: _____

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
	Oil and Grease mg/l	Fe - Iron 46563 ug/l	Semivolatile Organics
pH 403 units		Hg - Mercury 71900 ug/l	TPH - Diesel Range
Alkalinity to pH 4.5 410 mg/l		K - Potassium 46555 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mg - Magnesium 46554 mg/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Mn - Manganese 46565 ug/l	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Na - Sodium 46556 mg/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Ni - Nickel ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Pb - Lead 46564 ug/l	
Chromium: Hex 1032 ug/l		Se - Selenium ug/l	
Color: True 80 CU		Zn - Zinc 46567 ug/l	
Cyanide 720 mg/l			

Lab Comments: Temp 4.5°C TRIP BLANK

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2521

REPORTED BY VAVA
CHECKED BY AKC
REVIEWED BY AKC

SUPERVISOR BEK
DATE 10/18/05

SAMPLE TYPE: WATER

ENTERED BY AKC
DATE 10/18/05

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.25	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethene	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	U	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	U
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L
	0.20	X
Other purgeables detected (up to 10 highest peaks)	Detected ug/L	
2-methyl-1-Propene	1.2, N1	

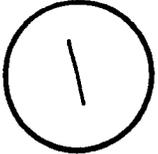
COMMENTS:

REFERENCE 4

GROUNDWATER FIELD/LAB FORM

County WAKE
 Quad No _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE	SAMPLE PRIORITY
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Routine
<input type="checkbox"/> Soil	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____	
<input type="checkbox"/> Chain of Custody	



Lab Number 562626
 Date Received 051026 Time 1520
 Rec'd by: HMLW From: Bus, Courier (Hand Del.)
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
 Shipped by: Bus, Courier, (Hand Del.), Other: _____

Collector(s): JIM ROUSH Date 10-26-05 Time 12:20 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ 6.9 Spec. Cond.₉₄ 193 at 25°C
 Temp.₁₀ 17.2 °C Odor NONE
 Appearance CLEAR
 Field Analysis By: JIM ROUSH

Owner WADE HARRISON PROP. - 7324 STONY HILL
 Location or site 7324 STONY HILL
 Description of sampling point SPIGOT AT WELL
 Sampling Method 15 MINUTES Sample Interval _____
 Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310	mg/l
COD High 340	mg/l
COD Low 335	mg/l
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm ²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatiles Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gasoline Range	

W

Lab Comments: _____

Temp 10°C

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2626

REPORTED BY VAVA
CHECKED BY AT
REVIEWED BY UAC

SUPERVISOR REK
DATE 11/3/05

SAMPLE TYPE: WATER

ENTERED BY JSW
DATE 11/3/05

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.50	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethane	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	N3	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	U
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L
	0.20	X
Other purgeables detected (up to 10 highest peaks)	Detected ug/L	
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

COMMENTS:

DIVISION OF WATER QUALITY

Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G2627
Date Received :	10/26/2005
Time Received :	3:20 PM
Received By :	HMW
Released By :	JSW
Date reported :	11/8/2005

QC 11/9/05

COUNTY : WAKE
 QUAD NO. : _____
 REPORT TO : RRO Regional Office
 COLLECTOR(S) : J ROUSH
 DATE: 10/26/2005
 TIME: 12:45
 PURPOSE: BASELINE

SAMPLE PRIORITY

ROUTINE EMERGENCY

CHAIN OF CUSTODY

SAMPLE TYPE

2

Owner: WADE HARRISON PROPERTY - 7328 STONY HILL
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

LABORATORY ANALYSIS

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness: (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/L	Ca-Calcium 46552	mg/L	Acid Herbicides
TOC	mg/l	Specific Cond. 95	umhos/cm2	Cd-Cadmium 46559	ug/L	
Turbidity	NTU	Sulfate	mg/L	Cr-Chromium 46560	ug/L	Semivolatiles
Residue., Suspended 530	mg/L	Sulfide 745	mg/L	Cu- Copper 1042	ug/L	TPH-Diesel Range
Total Suspended solids	mg/L	MBAS	mg/L	Fe- Iron 1045	ug/L	
		Oil and Grease	mg/L	Hg- Mercury 71900	ug/L	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/L	K-Potassium 46555	mg/L	
Alkalinity to pH 4.5	mg/L	Boron		Mg- Magnesium 927	mg/L	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/L	Formaldehyde	mg/L	Mn-Manganese 1055	ug/L	TPH-BTEX Gasoline Range
Carbonate	mg/L	NH3 as N 610	mg/L	Na- Sodium 929	mg/L	
Bicarbonate	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	
Carbon dioxide	mg/L	NO2 +NO3 as n 630	mg/L	Pb-Lead 46564	ug/L	
Chloride	mg/L	P. Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium: Hex 1032	ug/L	PO4	mg/L	Zn-Zinc 46567	ug/L	
Color. True 80	c.u.	Nitrate (NO ₃ as N) 620	mg/L			
Cyanide 720	mg/L	Nitrite (NO ₂ as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

County WAKE
 Quad No _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Soil	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____		<input type="checkbox"/> Chain of Custody	

2

Lab Number 562627
 Date Received 051026 Time 1520
 Rec'd by: HMCW From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, ARO, WaRO, WiRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
 Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 10-26-05 Time 12:45 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other:

FIELD ANALYSES

pH₄₀₀ 6.3 Spec. Cond.₉₄ 1235 at 25°C
 Temp.₁₀ 16.0 °C Odor NONE
 Appearance CLEAR
 Field Analysis By: JIM ROUSH

Owner WADE HARRISON PROP - 7328 STONY HILL
 Location or site 7328 STONY HILL
 Description of sampling point SPIGOT AT WELL
 Sampling Method 15 MINUTES Sample Interval _____
 Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310	mg/l
COD High 340	mg/l
COD Low 335	mg/l
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm ²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatiles Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gas Range	

WV

Lab Comments: Temp 10°C

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2627

REPORTED BY VVA
CHECKED BY AT
REVIEWED BY AKC

SUPERVISOR R&K
DATE 11/3/05
ENTERED BY JSW
DATE 11/3/05

SAMPLE TYPE: WATER

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.50	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethane	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	U	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	U
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
 N- Tentatively Identified, not confirmed
 J- Estimated Value
 U- Samples analyzed for this compound but not detected
 X- Sample not analyzed for this compound
 N3- Estimated concentration is <PQL and >MDL
 # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L
	0.20	X

Other purgeables detected (up to 10 highest peaks) Detected ug/L

NO VOLATILE ORGANIC COMPOUNDS DETECTED BY GC/MS.	

COMMENTS:

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number : **5G2628**
Date Received : **10/26/2005**
Time Received : **3 20 PM**
Received By : **HMW**
-JC 11/9/05
Released By : **JSW**
Date reported : **11/8/2005**

COUNTY WAKE
QUAD NO. _____
REPORT TO RRO Regional Office
COLLECTOR(S) : J ROUSH
DATE 10/26/2005
TIME: 13:20
PURPOSE BASELINE

SAMPLE PRIORITY
 ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE 3
Owner: WADE HARRISON PROPERTY - 7332 STONY HILL
Location or Site: _____
Description of sampling point: _____
Sampling Method: _____
Remarks: _____

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
Total Suspended solids	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
MBAS	mg/L
Oil and Grease	mg/L
Silica	mg/L
Boron	mg/L
Formaldehyde	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
PO4	mg/L
Nitrate (NO ₃ as N) 620	mg/L
Nitrite (NO ₂ 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 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
Semivolatiles
TPH-Diesel Range
X Volatile Organics (VOA bottle)
TPH-Gasoline Range
TPH-BTEX Gasoline Range

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Routine	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Soil	<input type="checkbox"/> Chain of Custody		
<input type="checkbox"/> Other			

3

Lab Number 562629
 Date Received 05/02/06 Time 1520
 Rec'd by: AMW From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, ARRO, WaRO, WiRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 10-26-05 Time 1520 Purpose: Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ 6.7 Spec. Cond.₉₄ 214 at 25° C
 Temp.₁₀ 19.2 °C Odor NONE
 Appearance CLAR
 Field Analysis By: JIM ROUSH

Owner WADE HARRISON PROP - 7332 STONY HILL
 Location or site 7332 STONY HILL ROAD
 Description of sampling point SPIGOT AT FRONT OF HOUSE
 Sampling Method 15 MINUTES Sample Interval _____
 Remarks COULDN'T REMOVE HOSE - SAMPLED THROUGH HOSE
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
		Fe - Iron 46563 ug/l	
	Oil and Grease mg/l	Hg - Mercury 71900 ug/l	Semivolatle Organics
		K - Potassium 46555 mg/l	TPH - Diesel Range
pH 403 units		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mn - Manganese 46565 ug/l	
Alkalinity to pH 8.3 415 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Carbonate 445 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Bicarbonate 440 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BT Gasoline Range
Carbon dioxide 405 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chloride 940 mg/l		Zn - Zinc 46567 ug/l	
Chromium: Hex 1032 ug/l			
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: Temp 10.0C

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2628

REPORTED BY
CHECKED BY
REVIEWED BY

VA
AT
AC

SUPERVISOR
DATE

RJK
11/3/05

ENTERED BY
DATE

JSW
11/3/05

SAMPLE TYPE: WATER

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.50	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethene	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	N3	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	U
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L
	0.20	X
Other purgeables detected (up to 10 highest peaks)	Detected ug/L	
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

COMMENTS:

GROUNDWATER FIELD/LAB FORM

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Soil	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____		<input type="checkbox"/> Chain of Custody	

4

Lab Number 562629
 Date Received 051026 Time 1520
 Rec'd by: HMW From: Bus, Courier, Hand Del
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, ~~ARO~~, WaRO, WIRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
 Shipped by: Bus, Courier, Hand Del, Other: _____

Collector(s): JIM ROUSH Date 10-26-05 Time 1:45 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other:
 (circle one)

FIELD ANALYSES

pH₄₀₀ 6.9 Spec. Cond.₉₄ 140 at 25°C
 Temp.₁₀ 17 °C Odor None
 Appearance Clear
 Field Analysis By: JIM ROUSH

Owner WAD E HARRISON PROP - 7312 STONY HILL
 Location or site 7312 STONY HILL PROP.
 Description of sampling point SPIGOT BACK OF HOUSE
 Sampling Method 15 MINUTES Sample Interval _____
(Pump, bailer, etc.)
 Remarks _____
(pumping time, air temp. etc.)

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 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatile Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gasoline Range	

Lab Comments: Temp 10°C

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2629

REPORTED BY VVA
CHECKED BY AT
REVIEWED BY GC

SUPERVISOR REK
DATE 11/3/05
ENTERED BY JSW
DATE 11/3/05

SAMPLE TYPE: WATER

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.50	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethane	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	N3	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	U
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	N3	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
 N- Tentatively Identified, not confirmed
 J- Estimated Value
 U- Samples analyzed for this compound but not detected
 X- Sample not analyzed for this compound
 N3- Estimated concentration is <PQL and >MDL
 # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L 0.20	mg/L X
Other purgeables detected (up to 10 highest peaks)	Detected ug/L	

COMMENTS:

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G2630
Date Received :	10/26/2005
Time Received :	3:20 PM
Received By :	HMW
Released By :	JSW
Date reported :	11/8/2005

COUNTY : WAKE
 QUAD NO. : _____
 REPORT TO : RRO Regional Office
 COLLECTOR(S) : J ROUSH
 DATE : 10/26/2005
 TIME : _____
 PURPOSE : _____

SAMPLE PRIORITY

ROUTINE EMERGENCY

CHAIN OF CUSTODY

SAMPLE TYPE

5

Owner: WADE HARRISON TRIP BLANK
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: TRIP BLANK

LABORATORY ANALYSIS

BOD 310	mg/L	Diss. Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness: total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness: (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/L	Ca-Calcium 46552	mg/L	Acid Herbicides
TOC	mg/l	Specific Cond 95	umhos/cm2	Cd-Cadmium 46559	ug/L	
Turbidity	NTU	Sulfate	mg/L	Cr-Chromium 46560	ug/L	Semivolatiles
Residue , Suspended 530	mg/L	Sulfide 745	mg/L	Cu- Copper 1042	ug/L	TPH-Diesel Range
Total Suspended solids	mg/L	MBAS	mg/L	Fe- Iron 1045	ug/L	
		Oil and Grease	mg/L	Hg- Mercury 71900	ug/L	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/L	K-Potassium 46555	mg/L	
Alkalinity to pH 4.5	mg/L	Boron		Mg- Magnesium 927	mg/L	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/L	Formaldehyde	mg/L	Mn-Manganese 1055	ug/L	TPH-BTEX Gasoline Range
Carbonate	mg/L	NH3 as N 610	mg/L	Na- Sodium 929	mg/L	
Bicarbonate	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	
Carbon dioxide	mg/L	NO2 +NO3 as n 630	mg/L	Pb-Lead 46564	ug/L	
Chloride	mg/L	P: Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium: Hex 1032	ug/L	PO4	mg/L	Zn-Zinc 46567	ug/L	
Color: True 80	c.u	Nitrate (NO ₃ as N) 620	mg/L			
Cyanide 720	mg/L	Nitrite (NO ₂ as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE	SAMPLE PRIORITY
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Routine
<input type="checkbox"/> Soil	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____	
<input type="checkbox"/> Chain of Custody	

5

Lab Number 562630
 Date Received 051026 Time 1520
 Rec'd by: HMK From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, ARO, WaRO, WiRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 10-26-05 Time _____ Purpose: _____
 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____

Owner WADE HARRISON PROPERTY - TRIP BLANK
 Location or site _____
 Description of sampling point _____
 Sampling Method TRIP BLANK Sample Interval _____
 Remarks _____
(pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310	mg/l
COD High 340	mg/l
COD Low 335	mg/l
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm ²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatile Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gasoline Range	

AV

Lab Comments: TRIP BLANK Temp 10°C

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G2630

REPORTED BY VA VA
CHECKED BY AT
REVIEWED BY ABC

SUPERVISOR REK
DATE 11/9/05

SAMPLE TYPE: WATER

ENTERED BY JSW
DATE 11/3/05

ANALYTICAL RESULTS

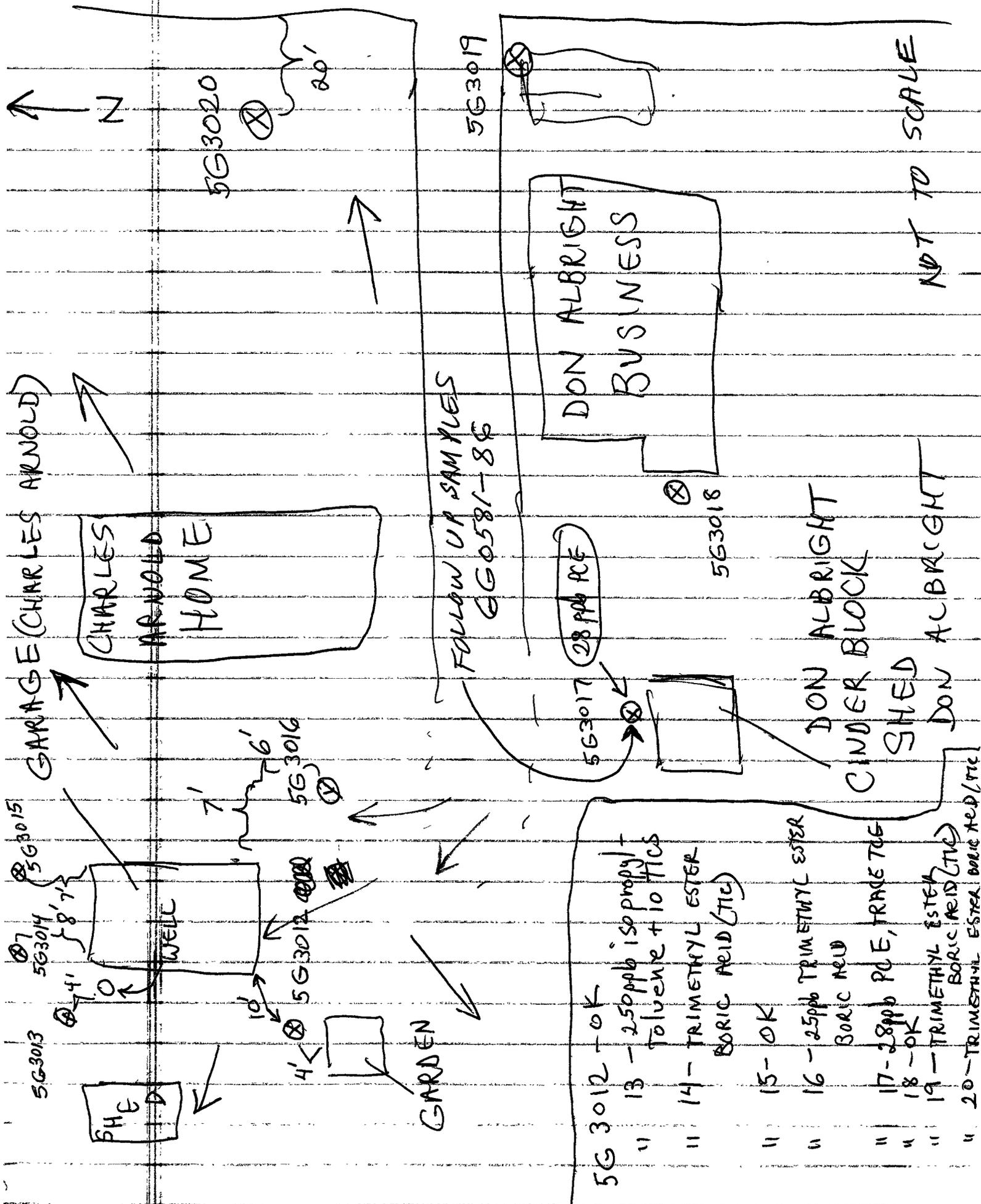
CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L	CAS#	VOA TARGET COMPOUND	PQL ug/L	DETECTED ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoform	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.50	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethene	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	0.25	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.25	U	96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	0.78	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	N3
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	0.27	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	0.25	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.25	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
 N- Tentatively Identified, not confirmed
 J- Estimated Value
 U- Samples analyzed for this compound but not detected
 X- Sample not analyzed for this compound
 N3- Estimated concentration is <PQL and >MDL
 # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L	X
	0.20		
Other purgeables detected (up to 10 highest peaks)		Detected ug/L	
_____		_____	
_____		_____	
_____		_____	
_____		_____	

COMMENTS:

REFERENCE 5



- 5G3012 - OK
- " 13 - 250ppb isopropyl + Toluene + 10 TICs
- " 14 - TRIMETHYL ESTER BORIC ACID (TIC)
- " 15 - OK
- " 16 - 25ppb TRIMETHYL ESTER BORIC ACID
- " 17 - 28ppb PCE, TRACE TCE
- " 18 - OK
- " 19 - TRIMETHYL ESTER BORIC ACID (TIC)
- " 20 - TRIMETHYL ESTER BORIC ACID (TIC)

NOT TO SCALE

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

COUNTY WAKE
QUAD NO _____

REPORT TO : RRO Regional Office
COLLECTOR(S) J ROUSH
DATE 12/8/2005
TIME 9:00
PURPOSE BASELINE

SAMPLE PRIORITY
 ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE 1

Owner CHARLES ARNOLD RESIDENCE
Location or Site _____
Description of sampling point _____
Sampling Method _____
Remarks _____

Lab Number	5G3012
Date Received	12/8/05
Time Received	3 00 PM
Received By	HMW
Released By	JSW
Date reported	1/3/2006

LABORATORY ANALYSIS

BOD 310	mg/Kg	Diss. Solids 70300	mg/Kg	Ag-Silver 46566	mg/Kg	Organochlorine Pesticides
COD High 340	mg/Kg	Fluoride 951	mg/Kg	Al-Aluminum 46557	mg/Kg	Organophosphorus Pesticides
COD Low 335	mg/Kg	Hardness total 900	mg/Kg	As-Arsenic 46551	mg/Kg	Nitrogen Pesticides
Coliform MF Fecal 31616		Hardness (non-carb) 902	mg/Kg	Ba-Barium 46558	mg/Kg	
Coliform MF Total 31504		Phenols 32730	ug/Kg	Ca-Calcium 46552	mg/Kg	Acid Herbicides
TOC	mg/Kg	Specific Cond 95	umhos/cm2	Cd-Cadmium 46559	mg/Kg	
Turbidity	NTU	Sulfate	mg/Kg	Cr-Chromium 46560	mg/Kg	Semivolatiles
Residue, Suspended 530	mg/Kg	Sulfide 745	mg/Kg	Cu- Copper 1042	mg/Kg	TPH-Diesel Range
Total Suspended solids	mg/Kg	MBAS	mg/Kg	Fe- Iron 1045	mg/Kg	
		Oil and Grease	mg/Kg	Hg- Mercury 71900	mg/Kg	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/Kg	K-Potassium 46555	mg/Kg	
Alkalinity to pH 4.5	mg/Kg	Boron		Mg- Magnesium 927	mg/Kg	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/Kg	Formaldehyde	mg/L	Mn-Manganese 1055	mg/Kg	TPH-BTEX Gasoline Range
Carbonate	mg/Kg	NH3 as N 610	mg/Kg	Na- Sodium 929	mg/Kg	
Bicarbonate	mg/Kg	TKN as N 625	mg/Kg	Ni-Nickel	mg/Kg	
Carbon dioxide	mg/Kg	NO2 +NO3 as n 630	mg/Kg	Pb-Lead 46564	mg/Kg	
Chloride	mg/Kg	P Total as P 665	mg/Kg	Se-Selenium	mg/Kg	
Chromium Hex 1032	ug/Kg	PO4	mg/Kg	Zn-Zinc 46567	mg/Kg	
Color True 80	c u.	Nitrate (NO3 as N) 620	mg/L			
Cyanide 720	mg/Kg	Nitrite (NO2 as N) 615	mg/L			

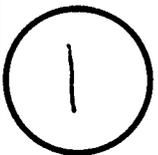
COMMENTS - _____

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
Quad No _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY*	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____			
<input type="checkbox"/> Chain of Custody			



Lab Number 563012
Date Received 05/20/08 Time 1500
Rec'd by: HML From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, ARO, WaRO, WIRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 12/8/05 Time 9:00 Purpose: Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25° C
Temp.₁₀ _____ °C Odor _____
Appearance _____

Owner CHARLES ARNOLD RESIDENCE
Location or site NEXT TO GARDEN, SOUTH OF SHED ARNOLD PROP.
Description of sampling point 1 FOOT AUGER
Sampling Method _____ Sample Interval _____
Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

Field Analysis By: _____

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
	Oil and Grease mg/l	Fe - Iron 46563 ug/l	Semivolatile Organics
		Hg - Mercury 71900 ug/l	TPH - Diesel Range
pH 403 units		K - Potassium 46555 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mn - Manganese 46565 ug/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (GC-MS/MS)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chromium: Hex 1032 ug/l		Zn - Zinc 46567 ug/l	
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3012

REPORTED BY VA
CHECKED BY AT
REVIEWED BY ALC

SUPERVISOR REK
DATE 1/3/2006

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

ENTERED BY _____
DATE _____

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	34	U	630-20-6	1,1,1,2-Tetrachloroethane	8.6	U
74-87-3	Chloromethane	17	U	75-25-2	Bromoform	34	U
75-01-4	Vinyl Chloride	17	U	79-34-5	1,1,2,2-Tetrachloroethane	8.6	U
74-83-9	Bromomethane	17	U	96-18-4	1,2,3-Trichloropropane	8.6	U
75-00-3	Chloroethane	17	U	108-86-1	Bromobenzene	8.6	U
75-69-4	Trichlorofluoromethane	17	U	95-49-8	2-Chlorotoluene	8.6	U
75-35-4	1,1-Dichloroethene	8.6	U	106-43-4	4-Chlorotoluene	8.6	U
75-09-2	Methylene Chloride	340	U	541-73-1	1,3-Dichlorobenzene	8.6	U
156-60-5	trans-1,2-Dichloroethene	8.6	U	106-46-7	1,4-Dichlorobenzene	8.6	U
75-34-3	1,1-Dichloroethane	8.6	U	95-50-1	1,2-Dichlorobenzene	8.6	U
594-20-7	2,2-Dichloropropane	8.6	U	96-12-8	1,2-Dibromo-3-Chloropropane	69	U
156-59-4	cis-1,2-Dichloroethene	8.6	U	120-82-1	1,2,4-Trichlorobenzene	17	U
67-66-3	Chloroform	8.6	U	87-68-3	Hexachlorobutadiene	17	U
74-97-5	Bromochloromethane	8.6	U	87-61-6	1,2,3-Trichlorobenzene	34	U
71-55-6	1,1,1-Trichloroethane	8.6	U	1634-04-4	Methyl-tert-butyl ether	8.6	U
563-58-6	1,1-Dichloropropene	8.6	U	71-43-2	Benzene	8.6	U
56-23-5	Carbon Tetrachloride	8.6	U	108-88-3	Toluene	8.6	U
107-06-2	1,2-Dichloroethane	8.6	U	100-41-4	Ethyl benzene	8.6	U
79-01-6	Trichloroethene	8.6	U	108-38-3	m,p-Xylenes	17	U
78-87-5	1,2-Dichloropropane	8.6	U	95-47-6	o-Xylene	8.6	U
75-27-4	Bromodichloromethane	8.6	U	100-42-5	Styrene	8.6	U
74-95-3	Dibromomethane	8.6	U	98-82-8	Isopropylbenzene	8.6	U
10061-01-5	cis-1,3-Dichloropropene	8.6	U	103-65-1	n-Propylbenzene	8.6	U
10061-02-6	trans-1,3-Dichloropropene	8.6	U	108-67-8	1,3,5-Trimethylbenzene	8.6	U
79-00-5	1,1,2-Trichloroethane	8.6	U	98-06-6	tert-Butylbenzene	8.6	U
127-18-4	Tetrachloroethene	8.6	U	95-63-6	1,2,4-Trimethylbenzene	8.6	U
142-28-9	1,3-Dichloropropane	8.6	U	135-98-8	sec-Butylbenzene	8.6	U
124-48-1	Dibromochloromethane	8.6	U	99-87-6	p-isopropyltoluene	8.6	U
106-93-4	1,2-Dibromoethane	8.6	U	104-51-8	n-Butylbenzene	8.6	U
108-90-7	Chlorobenzene	8.6	U	91-20-3	Naphthalene	17	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
N- Tentatively Identified, not confirmed
J- Estimated Value
U- Samples analyzed for this compound but not detected
X- Sample not analyzed for this compound
N3- Estimated concentration is <PQL and >MDL
GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
--	---------------	------------

Other purgeables detected (up to 10 highest peaks) Detected ug/Kg

NO VOLATILE ORGANIC COMPOUNDS	_____
DETECTED BY GC/MS.	_____
_____	_____
_____	_____

COMMENTS _____

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
Quad No. _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____		<input type="checkbox"/> Chain of Custody	

2

Lab Number 563013
Date Received 05/20/08 Time 1500
Rec'd by: AMW From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, WRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
Shipped by: Bus, Courier, Hand Del., Other: _____
Collector(s): JIM ROUSH Date 12/8/05 Time 9:30 Purpose: Baseline (circle one)
Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
Temp.₁₀ _____ °C Odor _____
Appearance _____
Field Analysis By: _____
Owner CHARLES ARNOLD
Location or site 4 FEET FROM WELL - ARNOLD PROP.
Description of sampling point 1 FOOT BELOW SURFACE
Sampling Method AUGER Sample Interval _____
Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
	Oil and Grease mg/l	Fe - Iron 46563 ug/l	Semivolatile Organics
pH 403 units		Hg - Mercury 71900 ug/l	TPH - Diesel Range
Alkalinity to pH 4.5 410 mg/l		K - Potassium 46555 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mg - Magnesium 46554 mg/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Mn - Manganese 46565 ug/l	
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (<u>VQA</u> bottle)
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chromium: Hex 1032 ug/l		Se - Selenium ug/l	
Color: True 80 CU		Zn - Zinc 46567 ug/l	
Cyanide 720 mg/l			

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3013

REPORTED BY VA
CHECKED BY AT
REVIEWED BY ALC

SUPERVISOR REK
DATE 1/3/2006

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

ENTERED BY _____
DATE _____

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	35	U	630-20-6	1,1,1,2-Tetrachloroethane	8.7	U
74-87-3	Chloromethane	17	U	75-25-2	Bromoform	35	U
75-01-4	Vinyl Chloride	17	U	79-34-5	1,1,2,2-Tetrachloroethane	8.7	U
74-83-9	Bromomethane	17	U	96-18-4	1,2,3-Trichloropropane	8.7	U
75-00-3	Chloroethane	17	U	108-86-1	Bromobenzene	8.7	U
75-69-4	Trichlorofluoromethane	17	U	95-49-8	2-Chlorotoluene	8.7	U
75-35-4	1,1-Dichloroethene	8.7	U	106-43-4	4-Chlorotoluene	8.7	U
75-09-2	Methylene Chloride	350	U	541-73-1	1,3-Dichlorobenzene	8.7	U
156-60-5	trans-1,2-Dichloroethene	8.7	U	106-46-7	1,4-Dichlorobenzene	8.7	U
75-34-3	1,1-Dichloroethane	8.7	U	95-50-1	1,2-Dichlorobenzene	8.7	U
594-20-7	2,2-Dichloropropane	8.7	U	96-12-8	1,2-Dibromo-3-Chloropropane	70	U
156-59-4	cis-1,2-Dichloroethene	8.7	U	120-82-1	1,2,4-Trichlorobenzene	17	U
67-66-3	Chloroform	8.7	U	87-68-3	Hexachlorobutadiene	17	U
74-97-5	Bromochloromethane	8.7	U	87-61-6	1,2,3-Trichlorobenzene	35	U
71-55-6	1,1,1-Trichloroethane	8.7	U	1634-04-4	Methyl-tert-butyl ether	8.7	U
563-58-6	1,1-Dichloropropene	8.7	U	71-43-2	Benzene	8.7	U
56-23-5	Carbon Tetrachloride	8.7	U	108-88-3	Toluene	8.7	U
107-06-2	1,2-Dichloroethane	8.7	U	100-41-4	Ethyl benzene	8.7	U
79-01-6	Trichloroethene	8.7	U	108-38-3	m,p-Xylenes	17	U
78-87-5	1,2-Dichloropropane	8.7	U	95-47-6	o-Xylene	8.7	U
75-27-4	Bromodichloromethane	8.7	U	100-42-5	Styrene	8.7	U
74-95-3	Dibromomethane	8.7	U	98-82-8	Isopropylbenzene	8.7	U
10061-01-5	cis-1,3-Dichloropropene	8.7	U	103-65-1	n-Propylbenzene	8.7	U
10061-02-6	trans-1,3-Dichloropropene	8.7	U	108-67-8	1,3,5-Trimethylbenzene	8.7	U
79-00-5	1,1,2-Trichloroethane	8.7	U	98-06-6	tert-Butylbenzene	8.7	U
127-18-4	Tetrachloroethene	8.7	U	95-63-6	1,2,4-Trimethylbenzene	8.7	U
142-28-9	1,3-Dichloropropane	8.7	U	135-98-8	sec-Butylbenzene	8.7	U
124-48-1	Dibromochloromethane	8.7	U	99-87-6	p-isopropyltoluene	8.7	250 P
106-93-4	1,2-Dibromoethane	8.7	U	104-51-8	n-Butylbenzene	8.7	U
108-90-7	Chlorobenzene	8.7	U	91-20-3	Naphthalene	17	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
N- Tentatively Identified, not confirmed
J- Estimated Value
U- Samples analyzed for this compound but not detected
X- Sample not analyzed for this compound
N3- Estimated concentration is <PQL and >MDL
GC/MS Analysis performed

	mg/Kg	mg/Kg
Gasoline Range Estimated Total Petroleum Hydrocarbon	0.20	X

Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg
<u>1,7,7-trimethyl-Tricyclo[2.2.1.0]heptane</u>	440 N1, P
<u>alpha-Pinene</u>	1100 N1, P
<u>7,7-dimethyl-2-methylene-Bicyclo[2.2.1]heptane</u>	500 N1, P
<u>2,2-dimethyl-3-methylene-Bicyclo[2.2.1]heptane</u>	1900 N1, P
<u>3-Menthene</u>	47 N1, P

COMMENTS

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number : **5G3014**
Date Received : **12/8/2005**
Time Received : **3:00 PM**
Received By : **HMW**
RC 1/4/06
Released By : **ISW**
Date reported : **1/3/2006**

COUNTY : WAKE
QUAD NO: _____

REPORT TO : RRO Regional Office
COLLECTOR(S) : J ROUSH
DATE: 12/8/2005
TIME: 10:00
PURPOSE: BASELINE

SAMPLE PRIORITY
 ROUTINE EMERGENCY

CHAIN OF CUSTODY

3

SAMPLE TYPE

Owner: CHARLES ARNOLD
Location or Site: _____
Description of sampling point: _____
Sampling Method: _____
Remarks: _____

LABORATORY ANALYSIS

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

Diss. Solids 70300	mg/Kg
Fluoride 951	mg/Kg
Hardness: total 900	mg/Kg
Hardness: (non-carb) 902	mg/Kg
Phenols 32730	ug/Kg
Specific Cond. 95	umhos/cm2
Sulfate	mg/Kg
Sulfide 745	mg/Kg
MBAS	mg/Kg
Oil and Grease	mg/Kg
Silica	mg/Kg
Boron	
Formaldehyde	mg/L
NH3 as N 610	mg/Kg
TKN as N 625	mg/Kg
NO2 +NO3 as n 630	mg/Kg
P: Total as P 665	mg/Kg
PO4	mg/Kg
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

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

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

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
 Department of Environment and Natural Resources
 DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
 Quad No _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____			
<input type="checkbox"/> Chain of Custody			

3

Lab Number 563014
 Date Received 05/20/08 Time 1500
 Rec'd by: HMW From: Bus, Courier, Hand Del.,
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
 Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 12/8/05 Time 10:00 Purpose: Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____
(circle one)

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____
 Owner CHARLES ARNOLD
 Location or site 8' NW OF SHED - ARNOLD PROP
 Description of sampling point 1 FOOT
 Sampling Method _____ Sample Interval _____
 Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310	mg/l	Diss. Solids 70300	mg/l	Ag - Silver 46566	ug/l	Organochlorine Pesticides
COD High 340	mg/l	Flouride 951	mg/l	Al - Aluminum 46557	ug/l	Organophosphorus Pesticides
COD Low 335	mg/l	Hardness: Total 900	mg/l	As - Arsenic 46551	ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/l	Ba - Barium 46558	ug/l	Acid Herbicides
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/l	Ca - Calcium 46552	mg/l	PCB's
TOC 680	mg/l	Specific Cond. 95	uMhos/cm ²	Cd - Cadmium 46559	ug/l	
Turbidity 76	NTU	Sulfate 945	mg/l	Cr - Chromium 46560	ug/l	
Residue., Suspended 530	mg/l	Sulfide 745	mg/l	Cu - Copper 46562	ug/l	
				Fe - Iron 46563	ug/l	Semivolatile Organics
		Oil and Grease	mg/l	Hg - Mercury 71900	ug/l	TPH - Diesel Range
pH 403	units			K - Potassium 46555	mg/l	
Alkalinity to pH 4.5 410	mg/l			Mg - Magnesium 46554	mg/l	
Alkalinity to pH 8.3 415	mg/l			Mn - Manganese 46565	ug/l	
Carbonate 445	mg/l	NH ₃ as N 610	mg/l	Na - Sodium 46556	mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOCs) <small>(4-10 bottle)</small>
Bicarbonate 440	mg/l	TKN as N 625	mg/l	Ni - Nickel	ug/l	TPH - Gasoline Range
Carbon dioxide 405	mg/l	NO ₂ + NO ₃ as N 630	mg/l	Pb - Lead 46564	ug/l	TPH - BTEX Gasoline Range
Chloride 940	mg/l	P: Total as P 665	mg/l	Se - Selenium	ug/l	
Chromium: Hex 1032	ug/l			Zn - Zinc 46567	ug/l	
Color: True 80	CU					
Cyanide 720	mg/l					

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3014

REPORTED BY VA
CHECKED BY AT
REVIEWED BY ALC

SUPERVISOR REK
DATE 1/3/2006

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

ENTERED BY _____
DATE _____

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	35	U	630-20-6	1,1,1,2-Tetrachloroethane	8.6	U
74-87-3	Chloromethane	17	U	75-25-2	Bromoform	35	U
75-01-4	Vinyl Chloride	17	U	79-34-5	1,1,2,2-Tetrachloroethane	8.6	U
74-83-9	Bromomethane	17	U	96-18-4	1,2,3-Trichloropropane	8.6	U
75-00-3	Chloroethane	17	U	108-86-1	Bromobenzene	8.6	U
75-69-4	Trichlorofluoromethane	17	U	95-49-8	2-Chlorotoluene	8.6	U
75-35-4	1,1-Dichloroethene	8.6	U	106-43-4	4-Chlorotoluene	8.6	U
75-09-2	Methylene Chloride	350	U	541-73-1	1,3-Dichlorobenzene	8.6	U
156-60-5	trans-1,2-Dichloroethene	8.6	U	106-46-7	1,4-Dichlorobenzene	8.6	U
75-34-3	1,1-Dichloroethane	8.6	U	95-50-1	1,2-Dichlorobenzene	8.6	U
594-20-7	2,2-Dichloropropane	8.6	U	96-12-8	1,2-Dibromo-3-Chloropropane	69	U
156-59-4	cis-1,2-Dichloroethene	8.6	U	120-82-1	1,2,4-Trichlorobenzene	17	U
67-66-3	Chloroform	8.6	U	87-68-3	Hexachlorobutadiene	17	U
74-97-5	Bromochloromethane	8.6	U	87-61-6	1,2,3-Trichlorobenzene	35	U
71-55-6	1,1,1-Trichloroethane	8.6	U	1634-04-4	Methyl-tert-butyl ether	8.6	U
563-58-6	1,1-Dichloropropene	8.6	U	71-43-2	Benzene	8.6	U
56-23-5	Carbon Tetrachloride	8.6	U	108-88-3	Toluene	8.6	U
107-06-2	1,2-Dichloroethane	8.6	U	100-41-4	Ethyl benzene	8.6	U
79-01-6	Trichloroethene	8.6	U	108-38-3	m,p-Xylenes	17	U
78-87-5	1,2-Dichloropropane	8.6	U	95-47-6	o-Xylene	8.6	U
75-27-4	Bromodichloromethane	8.6	U	100-42-5	Styrene	8.6	U
74-95-3	Dibromomethane	8.6	U	98-82-8	Isopropylbenzene	8.6	U
10061-01-5	cis-1,3-Dichloropropene	8.6	U	103-65-1	n-Propylbenzene	8.6	U
10061-02-6	trans-1,3-Dichloropropene	8.6	U	108-67-8	1,3,5-Trimethylbenzene	8.6	U
79-00-5	1,1,2-Trichloroethane	8.6	U	98-06-6	tert-Butylbenzene	8.6	U
127-18-4	Tetrachloroethene	8.6	U	95-63-6	1,2,4-Trimethylbenzene	8.6	U
142-28-9	1,3-Dichloropropane	8.6	U	135-98-8	sec-Butylbenzene	8.6	U
124-48-1	Dibromochloromethane	8.6	U	99-87-6	p-isopropyltoluene	8.6	11
106-93-4	1,2-Dibromoethane	8.6	U	104-51-8	n-Butylbenzene	8.6	U
108-90-7	Chlorobenzene	8.6	U	91-20-3	Naphthalene	17	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
N- Tentatively Identified, not confirmed
J- Estimated Value
U- Samples analyzed for this compound but not detected
X- Sample not analyzed for this compound
N3- Estimated concentration is <PQL and >MDL
GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg	
trimethyl ester Boric acid	50 N1, P	

COMMENTS _____

DIVISION OF WATER QUALITY

Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G3015
Date Received :	12/8/2005
Time Received :	3:00 PM
Received By :	HMW
9C 1/4/06	
Released By :	JSW
Date reported :	1/3/2006

COUNTY : WAKE
 QUAD NO: _____
 REPORT TO : RRO Regional Office
 COLLECTOR(S) : J ROUSH
 DATE : 12/8/2005
 TIME : 10:30
 PURPOSE : BASELINE

SAMPLE PRIORITY
 ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE 4

Owner: CHARLES ARNOLD
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

LABORATORY ANALYSIS

BOD 310	mg/Kg	Diss Solids 70300	mg/Kg	Ag-Silver 46566	mg/Kg	Organochlorine Pesticides
COD High 340	mg/Kg	Fluoride 951	mg/Kg	Al-Aluminum 46557	mg/Kg	Organophosphorus Pesticides
COD Low 335	mg/Kg	Hardness: total 900	mg/Kg	As-Arsenic 46551	mg/Kg	Nitrogen Pesticides
Coliform: MF Fecal 31616		Hardness: (non-carb) 902	mg/Kg	Ba-Barium 46558	mg/Kg	Acid Herbicides
Coliform: MF Total 31504		Phenols 32730	ug/Kg	Ca-Calcium 46552	mg/Kg	
TOC	mg/Kg	Specific Cond 95	umhos/cm2	Cd-Cadmium 46559	mg/Kg	Semivolatiles
Turbidity	NTU	Sulfate	mg/Kg	Cr-Chromium 46560	mg/Kg	TPH-Diesel Range
Residue , Suspended 530	mg/Kg	Sulfide 745	mg/Kg	Cu- Copper 1042	mg/Kg	
Total Suspended solids	mg/Kg	MBAS	mg/Kg	Fe- Iron 1045	mg/Kg	X Volatile Organics (VOA bottle)
		Oil and Grease	mg/Kg	Hg- Mercury 71900	mg/Kg	
pH	units	Silica	mg/Kg	K-Potassium 46555	mg/Kg	TPH-Gasoline Range
Alkalinity to pH 4.5	mg/Kg	Boron		Mg- Magnesium 927	mg/Kg	TPH-BTEX Gasoline Range
Alkalinity to pH 8.3	mg/Kg	Formaldehyde	mg/L	Mn-Manganese 1055	mg/Kg	
Carbonate	mg/Kg	NH3 as N 610	mg/Kg	Na- Sodium 929	mg/Kg	
Bicarbonate	mg/Kg	TKN as N 625	mg/Kg	Ni-Nickel	mg/Kg	
Carbon dioxide	mg/Kg	NO2 +NO3 as n 630	mg/Kg	Pb-Lead 46564	mg/Kg	
Chloride	mg/Kg	P: Total as P 665	mg/Kg	Se-Selenium	mg/Kg	
Chromium: Hex 1032	ug/Kg	PO4	mg/Kg	Zn-Zinc 46567	mg/Kg	
Color: True 80	c.u.	Nitrate (NO ₃ as N) 620	mg/L			
Cyanide 720	mg/Kg	Nitrite (NO ₂ as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
 Department of Environment and Natural Resources
 DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____		<input type="checkbox"/> Chain of Custody	

4

Lab Number 563015
 Date Received 05/20/08 Time 1500
 Rec'd by: HMW From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, PRO, WaRO, WIRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
 Shipped by: Bus, Courier, Hand Del. Other: _____
 Collector(s): JIM ROUSH Date 12/8/05 Time 10 30 Purpose: Baseline
 Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____
 Owner CHARLES ARNOLD (circle one)
 Location or site NORTHEAST OF SHED - ARNOLD PROP.
 Description of sampling point 1' BELOW SURFACE
 Sampling Method _____ Sample Interval _____
 Remarks _____ (Pump, bailer, etc.)
 (pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
	Oil and Grease mg/l	Fe - Iron 46563 ug/l	Semivolatile Organics
		Hg - Mercury 71900 ug/l	TPH - Diesel Range
pH 403 units		K - Potassium 46555 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mn - Manganese 46565 ug/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (<u>VEA</u> bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chromium: Hex 1032 ug/l		Zn - Zinc 46567 ug/l	
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3015

REPORTED BY VA
CHECKED BY AT
REVIEWED BY ALC

SUPERVISOR REK
DATE 1/3/2006

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

ENTERED BY _____
DATE _____

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	34	U	630-20-6	1,1,1,2-Tetrachloroethane	8.6	U
74-87-3	Chloromethane	17	U	75-25-2	Bromoform	34	U
75-01-4	Vinyl Chloride	17	U	79-34-5	1,1,2,2-Tetrachloroethane	8.6	U
74-83-9	Bromomethane	17	U	96-18-4	1,2,3-Trichloropropane	8.6	U
75-00-3	Chloroethane	17	U	108-86-1	Bromobenzene	8.6	U
75-69-4	Trichlorofluoromethane	17	U	95-49-8	2-Chlorotoluene	8.6	U
75-35-4	1,1-Dichloroethene	8.6	U	106-43-4	4-Chlorotoluene	8.6	U
75-09-2	Methylene Chloride	340	U	541-73-1	1,3-Dichlorobenzene	8.6	U
156-60-5	trans-1,2-Dichloroethene	8.6	U	106-46-7	1,4-Dichlorobenzene	8.6	U
75-34-3	1,1-Dichloroethane	8.6	U	95-50-1	1,2-Dichlorobenzene	8.6	U
594-20-7	2,2-Dichloropropane	8.6	U	96-12-8	1,2-Dibromo-3-Chloropropane	69	U
156-59-4	cis-1,2-Dichloroethene	8.6	U	120-82-1	1,2,4-Trichlorobenzene	17	U
67-66-3	Chloroform	8.6	U	87-68-3	Hexachlorobutadiene	17	U
74-97-5	Bromochloromethane	8.6	U	87-61-6	1,2,3-Trichlorobenzene	34	U
71-55-6	1,1,1-Trichloroethane	8.6	U	1634-04-4	Methyl-tert-butyl ether	8.6	U
563-58-6	1,1-Dichloropropene	8.6	U	71-43-2	Benzene	8.6	U
56-23-5	Carbon Tetrachloride	8.6	U	108-88-3	Toluene	8.6	U
107-06-2	1,2-Dichloroethane	8.6	U	100-41-4	Ethyl benzene	8.6	U
79-01-6	Trichloroethene	8.6	U	108-38-3	m,p-Xylenes	17	U
78-87-5	1,2-Dichloropropane	8.6	U	95-47-6	o-Xylene	8.6	U
75-27-4	Bromodichloromethane	8.6	U	100-42-5	Styrene	8.6	U
74-95-3	Dibromomethane	8.6	U	98-82-8	Isopropylbenzene	8.6	U
10061-01-5	cis-1,3-Dichloropropene	8.6	U	103-65-1	n-Propylbenzene	8.6	U
10061-02-6	trans-1,3-Dichloropropene	8.6	U	108-67-8	1,3,5-Trimethylbenzene	8.6	U
79-00-5	1,1,2-Trichloroethane	8.6	U	98-06-6	tert-Butylbenzene	8.6	U
127-18-4	Tetrachloroethene	8.6	U	95-63-6	1,2,4-Trimethylbenzene	8.6	U
142-28-9	1,3-Dichloropropane	8.6	U	135-98-8	sec-Butylbenzene	8.6	U
124-48-1	Dibromochloromethane	8.6	U	99-87-6	p-isopropyltoluene	8.6	U
106-93-4	1,2-Dibromoethane	8.6	U	104-51-8	n-Butylbenzene	8.6	U
108-90-7	Chlorobenzene	8.6	U	91-20-3	Naphthalene	17	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
N- Tentatively Identified, not confirmed
J- Estimated Value
U- Samples analyzed for this compound but not detected
X- Sample not analyzed for this compound
N3- Estimated concentration is <PQL and >MDL
GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
--	---------------	------------

Other purgeables detected (up to 10 highest peaks) Detected
ug/Kg

NO VOLATILE ORGANIC COMPOUNDS
DETECTED BY GC/MS

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G3016
Date Received :	12/8/2005
Time Received :	3 00 PM
Received By :	HMW
Released By :	JSW
Date reported :	1/3/2006

COUNTY WAKE
QUAD NO. _____
REPORT TO RRO
COLLECTOR(S) J ROUSH
DATE: 12/8/2005
TIME: 11:00
PURPOSE: BASELINE

SAMPLE PRIORITY
 ROUTINE EMERGENCY

CHAIN OF CUSTODY

5

SAMPLE TYPE

Owner: CHARLES ARNOLD
Location or Site: _____
Description of sampling point: _____
Sampling Method: _____
Remarks: _____

LABORATORY ANALYSIS

BOD 310	mg/Kg	Diss Solids 70300	mg/Kg	Ag-Silver 46566	mg/Kg	Organochlorne Pesticides
COD High 340	mg/Kg	Fluoride 951	mg/Kg	Al-Aluminum 46557	mg/Kg	Organophosphorus Pesticides
COD Low 335	mg/Kg	Hardness: total 900	mg/Kg	As-Arsenic 46551	mg/Kg	Nitrogen Pesticides
Coliform MF Fecal 31616		Hardness: (non-carb) 902	mg/Kg	Ba-Barium 46558	mg/Kg	
Coliform MF Total 31504		Phenols 32730	ug/Kg	Ca-Calcium 46552	mg/Kg	Acid Herbicides
TOC	mg/Kg	Specific Cond. 95	umhos/cm2	Cd-Cadmium 46559	mg/Kg	
Turbidity	NTU	Sulfate	mg/Kg	Cr-Chromium 46560	mg/Kg	Semivolatiles
Residue , Suspended 530	mg/Kg	Sulfide 745	mg/Kg	Cu- Copper 1042	mg/Kg	TPH-Diesel Range
Total Suspended solids	mg/Kg	MBAS	mg/Kg	Fe- Iron 1045	mg/Kg	
		Oil and Grease	mg/Kg	Hg- Mercury 71900	mg/Kg	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
pH	units	Silica	mg/Kg	K-Potassium 46555	mg/Kg	
Alkalinity to pH 4 5	mg/Kg	Boron		Mg- Magnesium 927	mg/Kg	TPH-Gasoline Range
Alkalinity to pH 8 3	mg/Kg	Formaldehyde	mg/L	Mn-Manganese 1055	mg/Kg	TPH-BTEX Gasoline Range
Carbonate	mg/Kg	NH3 as N 610	mg/Kg	Na- Sodium 929	mg/Kg	
Bicarbonate	mg/Kg	TKN as N 625	mg/Kg	Ni-Nickel	mg/Kg	
Carbon dioxide	mg/Kg	NO2 +NO3 as n 630	mg/Kg	Pb-Lead 46564	mg/Kg	
Chloride	mg/Kg	P- Total as P 665	mg/Kg	Se-Selenium	mg/Kg	
Chromium Hex 1032	ug/Kg	PO4	mg/Kg	Zn-Zinc 46567	mg/Kg	
Color True 80	c u.	Nitrate (NO ₃ as N) 620	mg/L			
Cyanide 720	mg/Kg	Nitrite (NO ₂ as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
 Department of Environment and Natural Resources
 DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____		<input type="checkbox"/> Chain of Custody	

5

Lab Number 563016
 Date Received 05/20/08 Time 1500
 Rec'd by: HAW From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, ARO, WaRO, WIRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____
 Collector(s): Jim Poush Date 12/8/03 Time 11:00 Purpose: Baseline
 (circle one) Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____

Owner CHARLES ARNOLD
 Location or site SOUTH OF SHED - ARNOLD PROP.
 Description of sampling point 1" DEPTH
 Sampling Method _____ Sample Interval _____
 Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
	Oil and Grease mg/l	Fe - Iron 46563 ug/l	
pH 403 units		Hg - Mercury 71900 ug/l	Semivolatile Organics
Alkalinity to pH 4.5 410 mg/l		K - Potassium 46555 mg/l	TPH - Diesel Range
Alkalinity to pH 8.3 415 mg/l		Mg - Magnesium 46554 mg/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Mn - Manganese 46565 ug/l	
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOA low)
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chromium: Hex 1032 ug/l		Se - Selenium ug/l	
Color: True 80 CU		Zn - Zinc 46567 ug/l	
Cyanide 720 mg/l			

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3016

REPORTED BY
CHECKED BY
REVIEWED BY

VAA
AT
ARC

SUPERVISOR RSK
DATE 7/3/06

ENTERED BY JSW
DATE 1-3-06

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	34	U	630-20-6	1,1,1,2-Tetrachloroethane	8.5	U
74-87-3	Chloromethane	17	U	75-25-2	Bromoform	34	U
75-01-4	Vinyl Chloride	17	U	79-34-5	1,1,2,2-Tetrachloroethane	8.5	U
74-83-9	Bromomethane	17	U	96-18-4	1,2,3-Trichloropropane	8.5	U
75-00-3	Chloroethane	17	U	108-86-1	Bromobenzene	8.5	U
75-69-4	Trichlorofluoromethane	17	U	95-49-8	2-Chlorotoluene	8.5	U
75-35-4	1,1-Dichloroethene	8.5	U	106-43-4	4-Chlorotoluene	8.5	U
75-09-2	Methylene Chloride	340	U	541-73-1	1,3-Dichlorobenzene	8.5	U
156-60-5	trans-1,2-Dichloroethene	8.5	U	106-46-7	1,4-Dichlorobenzene	8.5	U
75-34-3	1,1-Dichloroethane	8.5	U	95-50-1	1,2-Dichlorobenzene	8.5	U
594-20-7	2,2-Dichloropropane	8.5	U	96-12-8	1,2-Dibromo-3-Chloropropane	68	U
156-59-4	cis-1,2-Dichloroethene	8.5	U	120-82-1	1,2,4-Trichlorobenzene	17	U
67-66-3	Chloroform	8.5	U	87-68-3	Hexachlorobutadiene	17	U
74-97-5	Bromochloromethane	8.5	U	87-61-6	1,2,3-Trichlorobenzene	34	U
71-55-6	1,1,1-Trichloroethane	8.5	U	1634-04-4	Methyl-tert-butyl ether	8.5	U
563-58-6	1,1-Dichloropropene	8.5	U	71-43-2	Benzene	8.5	U
56-23-5	Carbon Tetrachloride	8.5	U	108-88-3	Toluene	8.5	U
107-06-2	1,2-Dichloroethane	8.5	U	100-41-4	Ethyl benzene	8.5	U
79-01-6	Trichloroethene	8.5	U	108-38-3	m,p-Xylenes	17	U
78-87-5	1,2-Dichloropropane	8.5	U	95-47-6	o-Xylene	8.5	U
75-27-4	Bromodichloromethane	8.5	U	100-42-5	Styrene	8.5	U
74-95-3	Dibromomethane	8.5	U	98-82-8	Isopropylbenzene	8.5	U
10061-01-5	cis-1,3-Dichloropropene	8.5	U	103-65-1	n-Propylbenzene	8.5	U
10061-02-6	trans-1,3-Dichloropropene	8.5	U	108-67-8	1,3,5-Trimethylbenzene	8.5	U
79-00-5	1,1,2-Trichloroethane	8.5	U	98-06-6	tert-Butylbenzene	8.5	U
127-18-4	Tetrachloroethene	8.5	U	95-63-6	1,2,4-Trimethylbenzene	8.5	U
142-28-9	1,3-Dichloropropane	8.5	U	135-98-8	sec-Butylbenzene	8.5	U
124-48-1	Dibromochloromethane	8.5	U	99-87-6	p-isopropyltoluene	8.5	U
106-93-4	1,2-Dibromoethane	8.5	U	104-51-8	n-Butylbenzene	8.5	U
108-90-7	Chlorobenzene	8.5	U	91-20-3	Naphthalene	17	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
 N- Tentatively Identified, not confirmed
 J- Estimated Value
 U- Samples analyzed for this compound but not detected
 X- Sample not analyzed for this compound
 N3- Estimated concentration is <PQL and >MDL
 # GC/MS Analysis performed

Gasoline: Range Estimated Total Petroleum Hydrocarbon	mg/Kg	mg/Kg
	0.20	X
Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg	
trimethyl ester Boric acid	25 N1, P	

COMMENTS:

DIVISION OF WATER QUALITY

Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G3017
Date Received :	12/8/2005
Time Received :	3:00 PM
Received By :	HMW
Released By :	JSW
Date reported :	1/3/2006

1/4/06

COUNTY : WAKE
 QUAD NO. : _____
 REPORT TO : RRO Regional Office
 COLLECTOR(S) : J ROUSH
 DATE: 12/8/2005
 TIME: 11:30
 PURPOSE: _____

SAMPLE PRIORITY
 ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE

6

Owner: CHARLES ARNOLD
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

LABORATORY ANALYSIS

BOD 310	mg/Kg	Diss. Solids 70300	mg/Kg	Ag-Silver 46566	mg/Kg	Organochlorine Pesticides
COD High 340	mg/Kg	Fluoride 951	mg/Kg	Al-Aluminum 46557	mg/Kg	Organophosphorus Pesticides
COD Low 335	mg/Kg	Hardness: total 900	mg/Kg	As-Arsenic 46551	mg/Kg	Nitrogen Pesticides
Coliform MF Fecal 31616		Hardness: (non-carb) 902	mg/Kg	Ba-Barium 46558	mg/Kg	Acid Herbicides
Coliform MF Total 31504		Phenols 32730	ug/Kg	Ca-Calcium 46552	mg/Kg	
TOC	mg/Kg	Specific Cond. 95	umhos/cm2	Cd-Cadmium 46559	mg/Kg	
Turbidity	NTU	Sulfate	mg/Kg	Cr-Chromium 46560	mg/Kg	Semivolatiles
Residue, Suspended 530	mg/Kg	Sulfide 745	mg/Kg	Cu- Copper 1042	mg/Kg	TPH-Diesel Range
Total Suspended solids	mg/Kg	MBAS	mg/Kg	Fe- Iron 1045	mg/Kg	
		Oil and Grease	mg/Kg	Hg- Mercury 71900	mg/Kg	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/Kg	K-Potassium 46555	mg/Kg	
Alkalinity to pH 4.5	mg/Kg	Boron		Mg- Magnesium 927	mg/Kg	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/Kg	Formaldehyde	mg/L	Mn-Manganese 1055	mg/Kg	TPH-BTEX Gasoline Range
Carbonate	mg/Kg	NH3 as N 610	mg/Kg	Na- Sodium 929	mg/Kg	
Bicarbonate	mg/Kg	TKN as N 625	mg/Kg	Ni-Nickel	mg/Kg	
Carbon dioxide	mg/Kg	NO2 +NO3 as n 630	mg/Kg	Pb-Lead 46564	mg/Kg	
Chloride	mg/Kg	P. Total as P 665	mg/Kg	Se-Selenium	mg/Kg	
Chromium Hex 1032	ug/Kg	PO4	mg/Kg	Zn-Zinc 46567	mg/Kg	
Color: True 80	c u.	Nitrate (NO3 as N) 620	mg/L			
Cyanide 720	mg/Kg	Nitrite (NO2 as N) 615	mg/L			

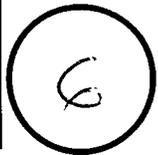
COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
 Department of Environment and Natural Resources
 DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____		<input type="checkbox"/> Chain of Custody	



Lab Number 5053017
 Date Received 05/20/08 Time 1500
 Rec'd by: HMLW From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, RR0, WaRO, WiRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____
 Collector(s): JIM RUSH Date 12/8/05 Time 11:30 Purpose: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25° C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____

Owner CHARLES ARNOLD (circle one)
 Location or site ALBRIGHT PROPERTY
 Description of sampling point BELOW DRAIN AT SMD
 Sampling Method 1 DEPTH Sample Interval _____
 Remarks _____ (Pump, bailer, etc.)
 (pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
	Oil and Grease mg/l	Fe - Iron 46563 ug/l	Semivolatile Organics
pH 403 units		Hg - Mercury 71900 ug/l	TPH - Diesel Range
Alkalinity to pH 4.5 410 mg/l		K - Potassium 46555 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mg - Magnesium 46554 mg/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Mn - Manganese 46565 ug/l	<input checked="" type="checkbox"/> Volatile Organics (VG bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Na - Sodium 46556 mg/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Ni - Nickel ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Pb - Lead 46564 ug/l	
Chromium: Hex 1032 ug/l		Se - Selenium ug/l	
Color: True 80 CU		Zn - Zinc 46567 ug/l	
Cyanide 720 mg/l			

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3017

REPORTED BY VAVA
CHECKED BY AT
REVIEWED BY ORC

SUPERVISOR REK
DATE 1/3/06

ENTERED BY JSW
DATE 1-3-06

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	32	U	630-20-6	1,1,1,2-Tetrachloroethane	8.1	U
74-87-3	Chloromethane	16	U	75-25-2	Bromoform	32	U
75-01-4	Vinyl Chloride	16	U	79-34-5	1,1,1,2,2-Tetrachloroethane	8.1	U
74-83-9	Bromomethane	16	U	96-18-4	1,2,3-Trichloropropane	8.1	U
75-00-3	Chloroethane	16	U	108-86-1	Bromobenzene	8.1	U
75-69-4	Trichlorofluoromethane	16	U	95-49-8	2-Chlorotoluene	8.1	U
75-35-4	1,1-Dichloroethene	16	U	106-43-4	4-Chlorotoluene	8.1	U
75-09-2	Methylene Chloride	320	U	541-73-1	1,3-Dichlorobenzene	8.1	U
156-60-5	trans-1,2-Dichloroethene	8.1	U	106-46-7	1,4-Dichlorobenzene	8.1	U
75-34-3	1,1-Dichloroethane	8.1	U	95-50-1	1,2-Dichlorobenzene	8.1	U
594-20-7	2,2-Dichloropropane	8.1	U	96-12-8	1,2-Dibromo-3-Chloropropane	65	U
156-59-4	cis-1,2-Dichloroethene	8.1	U	120-82-1	1,2,4-Trichlorobenzene	16	U
67-66-3	Chloroform	8.1	U	87-68-3	Hexachlorobutadiene	16	U
74-97-5	Bromochloromethane	8.1	U	87-61-6	1,2,3-Trichlorobenzene	32	U
71-55-6	1,1,1-Trichloroethane	8.1	U	1634-04-4	Methyl-tert-butyl ether	8.1	U
563-58-6	1,1-Dichloropropene	8.1	U	71-43-2	Benzene	8.1	U
56-23-5	Carbon Tetrachloride	8.1	U	108-88-3	Toluene	8.1	U
107-06-2	1,2-Dichloroethane	8.1	U	100-41-4	Ethyl benzene	8.1	U
79-01-6	Trichloroethene	8.1	N3	108-38-3	m,p-Xylenes	16	U
78-87-5	1,2-Dichloropropane	8.1	U	95-47-6	o-Xylene	8.1	U
75-27-4	Bromodichloromethane	8.1	U	100-42-5	Styrene	8.1	U
74-95-3	Dibromomethane	8.1	U	98-82-8	isopropylbenzene	8.1	U
10061-01-5	cis-1,3-Dichloropropene	8.1	U	103-65-1	n-Propylbenzene	8.1	U
10061-02-6	trans-1,3-Dichloropropene	8.1	U	108-67-8	1,3,5-Trimethylbenzene	8.1	U
79-00-5	1,1,2-Trichloroethane	8.1	U	98-06-6	tert-Butylbenzene	8.1	U
127-18-4	Tetrachloroethene	8.1	28 P	95-63-6	1,2,4-Trimethylbenzene	8.1	U
142-28-9	1,3-Dichloropropane	8.1	U	135-98-8	sec-Butylbenzene	8.1	U
124-48-1	Dibromochloromethane	8.1	U	99-87-6	p-isopropyltoluene	8.1	U
106-93-4	1,2-Dibromoethane	8.1	U	104-51-8	n-Butylbenzene	8.1	U
108-90-7	Chlorobenzene	8.1	U	91-20-3	Naphthalene	16	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- # GC/MS Analysis performed

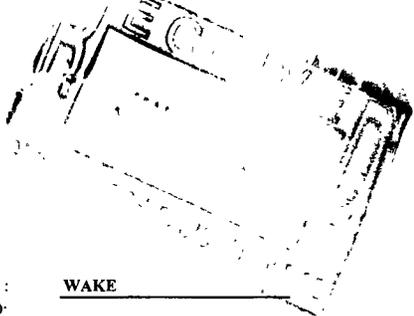
Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg	mg/Kg
	0.20	X

Other purgeables detected (up to 10 highest peaks) Detected ug/Kg

NO VOLATILE ORGANIC COMPOUNDS

DETECTED BY GC/MS.

COMMENTS:



DIVISION OF WATER QUALITY

Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G3018
Date Received :	12/8/2005
Time Received :	3:00 PM
Received By :	HMW
Released By :	JSW
Date reported :	1/3/2006

Handwritten: 1/4/06

COUNTY : WAKE

QUAD NO: _____

REPORT TO : RRO Regional Office

COLLECTOR(S) : J ROUSH

DATE: 12/8/2005

TIME: 12:00

PURPOSE: BASELINE

SAMPLE PRIORITY

ROUTINE EMERGENCY

CHAIN OF CUSTODY

SAMPLE TYPE

7

Owner: CHARLES ARNOLD

Location or Site: _____

Description of sampling point: _____

Sampling Method: _____

Remarks: _____

LABORATORY ANALYSIS

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

Diss Solids 70300	mg/Kg
Fluoride 951	mg/Kg
Hardness: total 900	mg/Kg
Hardness: (non-carb) 902	mg/Kg
Phenols 32730	ug/Kg
Specific Cond 95	umhos/cm2
Sulfate	mg/Kg
Sulfide 745	mg/Kg
MBAS	mg/Kg
Oil and Grease	mg/Kg
Silica	mg/Kg
Boron	
Formaldehyde	mg/L
NH3 as N 610	mg/Kg
TKN as N 625	mg/Kg
NO2 +NO3 as n 630	mg/Kg
P. Total as P 665	mg/Kg
PO4	mg/Kg
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

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

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

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
Quad No. _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____			
<input type="checkbox"/> Chain of Custody			



Lab Number 563018
Date Received 05/20/08 Time 1500
Rec'd by: HMW From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 12/8/05 Time 12:00 Purpose: _____
Collector(s): _____ Date _____ Time _____ Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
Temp.₁₀ _____ °C Odor _____
Appearance _____
Field Analysis By: _____
Owner CHARLES ARNOLD
Location or site ALBRIGHT PROPERTY
Description of sampling point DRAIN BACK OF OFFICE
Sampling Method 1' DEPTH Sample Interval _____
Remarks _____
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
		Fe - Iron 46563 ug/l	Semivolatile Organics
	Oil and Grease mg/l	Hg - Mercury 71900 ug/l	TPH - Diesel Range
pH 403 units		K - Potassium 46555 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mn - Manganese 46565 ug/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chromium: Hex 1032 ug/l		Zn - Zinc 46567 ug/l	
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3018

REPORTED BY VAVA
CHECKED BY AT
REVIEWED BY ASC

SUPERVISOR REK
DATE 1/3/06

ENTERED BY JSW
DATE 1-3-06

SAMPLE TYPE. SOIL

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	33	U	630-20-6	1,1,1,2-Tetrachloroethane	8.2	U
74-87-3	Chloromethane	16	U	75-25-2	Bromoform	33	U
75-01-4	Vinyl Chloride	16	U	79-34-5	1,1,2,2-Tetrachloroethane	8.2	U
74-83-9	Bromomethane	16	U	96-18-4	1,2,3-Trichloropropane	8.2	U
75-00-3	Chloroethane	16	U	108-86-1	Bromobenzene	8.2	U
75-69-4	Trichlorofluoromethane	16	U	95-49-8	2-Chlorotoluene	8.2	U
75-35-4	1,1-Dichloroethene	8.2	U	106-43-4	4-Chlorotoluene	8.2	U
75-09-2	Methylene Chloride	330	U	541-73-1	1,3-Dichlorobenzene	8.2	U
156-60-5	trans-1,2-Dichloroethene	8.2	U	106-46-7	1,4-Dichlorobenzene	8.2	U
75-34-3	1,1-Dichloroethane	8.2	U	95-50-1	1,2-Dichlorobenzene	8.2	U
594-20-7	2,2-Dichloropropane	8.2	U	96-12-8	1,2-Dibromo-3-Chloropropane	66	U
156-59-4	cis-1,2-Dichloroethene	8.2	U	120-82-1	1,2,4-Trichlorobenzene	16	U
67-66-3	Chloroform	8.2	U	87-68-3	Hexachlorobutadiene	16	U
74-97-5	Bromochloromethane	8.2	U	87-61-6	1,2,3-Trichlorobenzene	33	U
71-55-6	1,1,1-Trichloroethane	8.2	U	1634-04-4	Methyl-tert-butyl ether	8.2	U
563-58-6	1,1-Dichloropropene	8.2	U	71-43-2	Benzene	8.2	U
56-23-5	Carbon Tetrachloride	8.2	U	108-88-3	Toluene	8.2	U
107-06-2	1,2-Dichloroethane	8.2	U	100-41-4	Ethyl benzene	8.2	U
79-01-6	Trichloroethene	8.2	U	108-38-3	m,p-Xylenes	16	U
78-87-5	1,2-Dichloropropane	8.2	U	95-47-6	o-Xylene	8.2	U
75-27-4	Bromodichloromethane	8.2	U	100-42-5	Styrene	8.2	U
74-95-3	Dibromomethane	8.2	U	98-82-8	Isopropylbenzene	8.2	U
10061-01-5	cis-1,3-Dichloropropene	8.2	U	103-65-1	n-Propylbenzene	8.2	U
10061-02-6	trans-1,3-Dichloropropene	8.2	U	108-67-8	1,3,5-Trimethylbenzene	8.2	U
79-00-5	1,1,2-Trichloroethane	8.2	U	98-06-6	tert-Butylbenzene	8.2	U
127-18-4	Tetrachloroethene	8.2	U	95-63-6	1,2,4-Trimethylbenzene	8.2	U
142-28-9	1,3-Dichloropropane	8.2	U	135-98-8	sec-Butylbenzene	8.2	U
124-48-1	Dibromochloromethane	8.2	U	99-87-6	p-isopropyltoluene	8.2	U
106-93-4	1,2-Dibromoethane	8.2	U	104-51-8	n-Butylbenzene	8.2	U
108-90-7	Chlorobenzene	8.2	U	91-20-3	Naphthalene	16	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
 N- Tentatively Identified, not confirmed
 J- Estimated Value
 U- Samples analyzed for this compound but not detected
 X- Sample not analyzed for this compound
 N3- Estimated concentration is <PQL and >MDL
 # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
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Other purgeables detected (up to 10 highest peaks) Detected ug/Kg

NO VOLATILE ORGANIC COMPOUNDS
DETECTED BY GC/MS.

COMMENTS

DIVISION OF WATER QUALITY

Chemistry Laboratory Report / Ground Water Quality

Lab Number : **5G3019**
 Date Received : **12/8/2005**
 Time Received : **3:00 PM**
 Received By : **HMW**
JC 1/4/06
 Released By : **JSW**
 Date reported : **1/3/2006**

COUNTY : WAKE
 QUAD NO : _____

SAMPLE PRIORITY

ROUTINE EMERGENCY

REPORT TO : RRO Regional Office

CHAIN OF CUSTODY

8

COLLECTOR(S) : J ROUSH

SAMPLE TYPE

DATE: 12/8/2005

TIME: 12:30

PURPOSE: BASELINE

Owner: CHARLES ARNOLD
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

LABORATORY ANALYSIS

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

Diss Solids 70300	mg/Kg
Fluoride 951	mg/Kg
Hardness total 900	mg/Kg
Hardness (non-carb) 902	mg/Kg
Phenols 32730	ug/Kg
Specific Cond 95	umhos/cm2
Sulfate	mg/Kg
Sulfide 745	mg/Kg
MBAS	mg/Kg
Oil and Grease	mg/Kg
Silica	mg/Kg
Boron	
Formaldehyde	mg/L
NH3 as N 610	mg/Kg
TKN as N 625	mg/Kg
NO2 +NO3 as n 630	mg/Kg
P Total as P 665	mg/Kg
PO4	mg/Kg
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

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

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

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

North Carolina
Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

County WAKE
Quad No. _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input type="checkbox"/> Other _____			
<input type="checkbox"/> Chain of Custody			

8

Lab Number 563019
Date Received 05/20/08 Time 1500
Rec'd by: HMW From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 12/8/05 Time 12:30 Purpose: Baseline, Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
Temp.₁₀ _____ °C Odor _____
Appearance _____

Owner CHARLES ARNOLD
Location or site ALBRIGHT PROPERTY
Description of sampling point NEXT TO DRIVEWAY
Sampling Method 2' DEPTH Sample Interval _____
Remarks _____
(Pump, bailer, etc.)
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
		Fe - Iron 46563 ug/l	Semivolatile Organics
	Oil and Grease mg/l	Hg - Mercury 71900 ug/l	TPH - Diesel Range
pH 403 units		K - Potassium 46555 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mn - Manganese 46565 ug/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (<u>VOA</u> bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chromium: Hex 1032 ug/l		Zn - Zinc 46567 ug/l	
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3019

REPORTED BY
CHECKED BY
REVIEWED BY

VAA
AT
ARC

SUPERVISOR REK
DATE 1/3/06

ENTERED BY BSW
DATE 1-3-06

SAMPLE TYPE. SOIL

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	31	U	630-20-6	1,1,1,2-Tetrachloroethane	7.8	U
74-87-3	Chloromethane	16	U	75-25-2	Bromoform	31	U
75-01-4	Vinyl Chloride	16	U	79-34-5	1,1,2,2-Tetrachloroethane	7.8	U
74-83-9	Bromomethane	16	U	96-18-4	1,2,3-Trichloropropane	7.8	U
75-00-3	Chloroethane	16	U	108-86-1	Bromobenzene	7.8	U
75-69-4	Trichlorofluoromethane	16	U	95-49-8	2-Chlorotoluene	7.8	U
75-35-4	1,1-Dichloroethene	7.8	U	106-43-4	4-Chlorotoluene	7.8	U
75-09-2	Methylene Chloride	310	U	541-73-1	1,3-Dichlorobenzene	7.8	U
156-60-5	trans-1,2-Dichloroethene	7.8	U	106-46-7	1,4-Dichlorobenzene	7.8	U
75-34-3	1,1-Dichloroethane	7.8	U	95-50-1	1,2-Dichlorobenzene	7.8	U
594-20-7	2,2-Dichloropropane	7.8	U	96-12-8	1,2-Dibromo-3-Chloropropane	63	U
156-59-4	cis-1,2-Dichloroethene	7.8	U	120-82-1	1,2,4-Trichlorobenzene	16	U
67-66-3	Chloroform	7.8	U	87-68-3	Hexachlorobutadiene	16	U
74-97-5	Bromochloromethane	7.8	U	87-61-6	1,2,3-Trichlorobenzene	31	U
71-55-6	1,1,1-Trichloroethane	7.8	U	1634-04-4	Methyl-tert-butyl ether	7.8	U
563-58-6	1,1-Dichloropropene	7.8	U	71-43-2	Benzene	7.8	U
56-23-5	Carbon Tetrachloride	7.8	U	108-88-3	Toluene	7.8	U
107-06-2	1,2-Dichloroethane	7.8	U	100-41-4	Ethyl benzene	7.8	U
79-01-6	Trichloroethene	7.8	U	108-38-3	m,p-Xylenes	16	U
78-87-5	1,2-Dichloropropane	7.8	U	95-47-6	o-Xylene	7.8	U
75-27-4	Bromodichloromethane	7.8	U	100-42-5	Styrene	7.8	U
74-95-3	Dibromomethane	7.8	U	98-82-8	Isopropylbenzene	7.8	U
10061-01-5	cis-1,3-Dichloropropene	7.8	U	103-65-1	n-Propylbenzene	7.8	U
10061-02-6	trans-1,3-Dichloropropene	7.8	U	108-67-8	1,3,5-Trimethylbenzene	7.8	U
79-00-5	1,1,2-Trichloroethane	7.8	U	98-06-6	tert-Butylbenzene	7.8	U
127-18-4	Tetrachloroethene	7.8	U	95-63-6	1,2,4-Trimethylbenzene	7.8	U
142-28-9	1,3-Dichloropropane	7.8	U	135-98-8	sec-Butylbenzene	7.8	U
124-48-1	Dibromochloromethane	7.8	U	99-87-6	p-isopropyltoluene	7.8	U
106-93-4	1,2-Dibromoethane	7.8	U	104-51-8	n-Butylbenzene	7.8	U
108-90-7	Chlorobenzene	7.8	U	91-20-3	Naphthalene	16	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- # GC/MS Analysis performed

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
--	---------------	------------

Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg
trimethyl ester Boric acid	72 N1, P

COMMENTS:

DIVISION OF WATER QUALITY

Chemistry Laboratory Report / Ground Water Quality

Lab Number :	5G3020
Date Received :	12/8/2005
Time Received :	3:00 PM
Received By :	HMW
Released By :	JSW
Date reported :	1/3/2006

COUNTY : WAKE
 QUAD NO : _____

SAMPLE PRIORITY

ROUTINE EMERGENCY

REPORT TO : RRO Regional Office

COLLECTOR(S) : J ROUSH

DATE: 12/8/2005

TIME: 13:00

PURPOSE: BASELINE

CHAIN OF CUSTODY

9

SAMPLE TYPE

Owner: CHARLES ARNOLD

Location or Site: _____

Description of sampling point: _____

Sampling Method: _____

Remarks: _____

LABORATORY ANALYSIS

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

Diss. Solids 70300	mg/Kg
Fluoride 951	mg/Kg
Hardness: total 900	mg/Kg
Hardness: (non-carb) 902	mg/Kg
Phenols 32730	ug/Kg
Specific Cond. 95	umhos/cm2
Sulfate	mg/Kg
Sulfide 745	mg/Kg
MBAS	mg/Kg
Oil and Grease	mg/Kg
Silica	mg/Kg
Boron	
Formaldehyde	mg/L
NH3 as N 610	mg/Kg
TKN as N 625	mg/Kg
NO2 +NO3 as n 630	mg/Kg
P: Total as P 665	mg/Kg
PO4	mg/Kg
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

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

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

COMMENTS : _____

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. 5G3020

REPORTED BY
CHECKED BY
REVIEWED BY

VAV
AT
ARC

SUPERVISOR
DATE

BEK
1/3/06

ENTERED BY
DATE

JSW
1-3-06

SAMPLE TYPE. SOIL

ANALYTICAL RESULTS

CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg	CAS#	VOA TARGET COMPOUND	PQL ug/Kg	DETECTED ug/Kg
75-71-8	Dichlorodifluoromethane	32	U	630-20-6	1,1,1,2-Tetrachloroethane	8.1	U
74-87-3	Chloromethane	16	U	75-25-2	Bromoform	32	U
75-01-4	Vinyl Chloride	16	U	79-34-5	1,1,2,2-Tetrachloroethane	8.1	U
74-83-9	Bromomethane	16	U	96-18-4	1,2,3-Trichloropropane	8.1	U
75-00-3	Chloroethane	16	U	108-86-1	Bromobenzene	8.1	U
75-69-4	Trichlorofluoromethane	16	U	95-49-8	2-Chlorotoluene	8.1	U
75-35-4	1,1-Dichloroethene	16	U	106-43-4	4-Chlorotoluene	8.1	U
75-09-2	Methylene Chloride	320	U	541-73-1	1,3-Dichlorobenzene	8.1	U
156-60-5	trans-1,2-Dichloroethene	8.1	U	106-46-7	1,4-Dichlorobenzene	8.1	U
75-34-3	1,1-Dichloroethane	8.1	U	95-50-1	1,2-Dichlorobenzene	8.1	U
594-20-7	2,2-Dichloropropane	8.1	U	96-12-8	1,2-Dibromo-3-Chloropropane	65	U
156-59-4	cis-1,2-Dichloroethene	8.1	U	120-82-1	1,2,4-Trichlorobenzene	16	U
67-66-3	Chloroform	8.1	U	87-68-3	Hexachlorobutadiene	16	U
74-97-5	Bromochloromethane	8.1	U	87-61-6	1,2,3-Trichlorobenzene	32	U
71-55-6	1,1,1-Trichloroethane	8.1	U	1634-04-4	Methyl-tert-butyl ether	8.1	U
563-58-6	1,1-Dichloropropene	8.1	U	71-43-2	Benzene	8.1	U
56-23-5	Carbon Tetrachloride	8.1	U	108-88-3	Toluene	8.1	U
107-06-2	1,2-Dichloroethane	8.1	U	100-41-4	Ethyl benzene	8.1	U
79-01-6	Trichloroethene	8.1	U	108-38-3	m,p-Xylenes	16	U
78-87-5	1,2-Dichloropropane	8.1	U	95-47-6	o-Xylene	8.1	U
75-27-4	Bromodichloromethane	8.1	U	100-42-5	Styrene	8.1	U
74-95-3	Dibromomethane	8.1	U	98-82-8	Isopropylbenzene	8.1	U
10061-01-5	cis-1,3-Dichloropropene	8.1	U	103-65-1	n-Propylbenzene	8.1	U
10061-02-6	trans-1,3-Dichloropropene	8.1	U	108-67-8	1,3,5-Trimethylbenzene	8.1	U
79-00-5	1,1,2-Trichloroethane	8.1	U	98-06-6	tert-Butylbenzene	8.1	U
127-18-4	Tetrachloroethene	8.1	U	95-63-6	1,2,4-Trimethylbenzene	8.1	U
142-28-9	1,3-Dichloropropane	8.1	U	135-98-8	sec-Butylbenzene	8.1	U
124-48-1	Dibromochloromethane	8.1	U	99-87-6	p-isopropyltoluene	8.1	U
106-93-4	1,2-Dibromoethane	8.1	U	104-51-8	n-Butylbenzene	8.1	U
108-90-7	Chlorobenzene	8.1	U	91-20-3	Naphthalene	16	U

PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
 N- Tentatively Identified, not confirmed
 J- Estimated Value
 U- Samples analyzed for this compound but not detected
 X- Sample not analyzed for this compound
 N3- Estimated concentration is <PQL and >MDL
 # GC/MS Analysis performed

	mg/Kg	mg/Kg
Gasoline Range Estimated Total Petroleum Hydrocarbon	0.20	X
Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg	
trimethyl ester Boric acid	29 N1, P	

COMMENTS:

REFERENCE 6

DON ALBRIGHT - 7303 STONY HILL RD.

FOLLOW
UP
SAMPLING

1) UNDER PIPE 8" IN RED
CLAY ADJACENT TO
CINDER BLOCK SHED

13ppb
PCE

GG0581-
86

3/31/06

2) SAME HOLE AS 1 BUT
AT ~ 5" IN BLACK ORGANIC
SOIL

20ppb
PCE

FOLLOW
UP
TO

3) 5" IN HOLE 1' NORTH OF
1&2

32ppb
PCE

PREVIOUS
TCE

IN
SOIL
DRAIN
PIPE
OUT

4) 1 1/2' EAST OF 1&2 IN
HOLE APPROX. 4" & 2" ^{COMPOSITE} GRAB SURFACE
SAMPLES ~ 4' WEST OF 1&2.

18ppb
PCE

OF CINDER
BLOCK
HOUSE

5) ^{COMPOSITE} GRAB SAMPLE @ SURFACE AT
BACK DOOR

~~0ppb~~
CLEAN

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

COUNTY WAKE
QUAD NO _____

REPORT TO : RRO Regional Office
COLLECTOR(S) J ROUSH
DATE 3/31/2006
TIME 10:30
PURPOSE BASELINE

SAMPLE PRIORITY

ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE

1

Owner: DON ALBRIGHT RESIDENCE 7303 STONY HILL RD
Location or Site _____
Description of sampling point _____
Sampling Method: _____
Remarks _____

Lab Number : **AB02666**
Date Received : **3/31/2006**
Time Received : **1:35 PM**
Received By : **HMW**
Released By : **JSM**
Date reported : **4/6/2006**

90 *4/6/06*

LABORATORY ANALYSIS

BOD 310	mg/Kg	Diss. Solids 70300	mg/Kg	Ag-Silver 46566	mg/Kg	Organochlorine Pesticides
COD High 340	mg/Kg	Fluoride 951	mg/Kg	Al-Aluminum 46557	mg/Kg	Organophosphorus Pesticides
COD Low 335	mg/Kg	Hardness, total 900	mg/Kg	As-Arsenic 46551	mg/Kg	Nitrogen Pesticides
Coliform MF Fecal 31616		Hardness (non-carb) 902	mg/Kg	Ba-Barium 46558	mg/Kg	
Coliform MF Total 31504		Phenols 32730	ug/Kg	Ca-Calcium 46552	mg/Kg	Acid Herbicides
TOC	mg/Kg	Specific Cond 95	umhos/cm2	Cd-Cadmium 46559	mg/Kg	
Turbidity	NTU	Sulfate	mg/Kg	Cr-Chromium 46560	mg/Kg	Semivolatiles
Residue, Suspended 530	mg/Kg	Sulfide 745	mg/Kg	Cu- Copper 1042	mg/Kg	TPH-Diesel Range
Total Suspended solids	mg/Kg	MBAS	mg/Kg	Fe- Iron 1045	mg/Kg	
		Oil and Grease	mg/Kg	Hg- Mercury 71900	mg/Kg	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/Kg	K-Potassium 46555	mg/Kg	
Alkalinity to pH 4.5	mg/Kg	Boron		Mg- Magnesium 927	mg/Kg	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/Kg	Formaldehyde	mg/L	Mn-Manganese 1055	mg/Kg	TPH-BTEX Gasoline Range
Carbonate	mg/Kg	NH3 as N 610	mg/Kg	Na- Sodium 929	mg/Kg	
Bicarbonate	mg/Kg	TKN as N 625	mg/Kg	Ni-Nickel	mg/Kg	
Carbon dioxide	mg/Kg	NO2 +NO3 as n 630	mg/Kg	Pb-Lead 46564	mg/Kg	
Chloride	mg/Kg	P Total as P 665	mg/Kg	Se-Selenium	mg/Kg	
Chromium Hex 1032	ug/Kg	PO4	mg/Kg	Zn-Zinc 46567	mg/Kg	
Color True 80	c u	Nitrate (NO3 as N) 620	mg/L			
Cyanide 720	mg/Kg	Nitrite (NO2 as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

AV302666

County WAKE
 Quad No _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input type="checkbox"/> Routine	<input type="checkbox"/> Routine	<input type="checkbox"/> Routine
<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Emergency	<input checked="" type="checkbox"/> Emergency	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____			
<input type="checkbox"/> Chain of Custody			

1

Lab Number 66-0581
 Date Received 060331 Time 1335
 Rec'd by: HMLW From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WIRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 3/31/06 Time 10:30 Purpose: Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____

Owner DON ALBRIGHT RESIDENCE
 Location or site 7303 STONY HILL ROAD
 Description of sampling point UNDER PIPE FROM SINK IN CINDER BLOCK ~~FOUNDATION~~ SHED
 Sampling Method CLEAN SPOON Sample Interval 8" HOLE
 (Pump, bailer, etc.) IN RED
 Remarks _____ (pumping time, air temp. etc.) CLAY

LABORATORY ANALYSES

BOD ₅ 310	mg/l
COD High 340	mg/l
COD Low 335	mg/l
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm ²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatile Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gasoline Range	

Lab Comments: LOOKING FOR PCE & TCE Temp 0.3°C

NC Division of Water Quality Laboratory Section Results

Loc. Descr.:	NO LOCATION CODE		
Location ID:	RROAPNLC	Sample ID:	AB02666
County:	WAKE	PO Number #	6G0581
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	10:30		

JC
4/6/06

Analyte Name	PQL	Result	Qualifier	Units	Approved By
--------------	-----	--------	-----------	-------	-------------

LAB					
Sample temperature at receipt by lab		0.3		°C	JGOODWIN
VOL					
Dichlorodifluoromethane	31	Not detected		ug/Kg	RKELLING
Chloromethane	15	Not detected		ug/Kg	RKELLING
Vinyl Chloride	15	Not detected		ug/Kg	RKELLING
Bromomethane	15	Not detected		ug/Kg	RKELLING
Chloroethane	15	Not detected		ug/Kg	RKELLING
Trichlorofluoromethane	15	Not detected		ug/Kg	RKELLING
1,1-Dichloroethene	7.6	Not detected		ug/Kg	RKELLING
Methylene Chloride	310	Not detected		ug/Kg	RKELLING
trans-1,2-Dichloroethene	7.6	Not detected		ug/Kg	RKELLING
Methyl Tert-Butyl Ether	7.6	Not detected		ug/Kg	RKELLING
1,1-Dichloroethane	7.6	Not detected		ug/Kg	RKELLING
cis-1,2-Dichloroethene	7.6	Not detected		ug/Kg	RKELLING
Bromochloromethane	7.6	Not detected		ug/Kg	RKELLING
Chloroform	7.6	Not detected		ug/Kg	RKELLING
2,2-Dichloropropane	15	Not detected		ug/Kg	RKELLING
1,2-Dichloroethane	7.6	Not detected		ug/Kg	RKELLING
1,1,1-Trichloroethane	7.6	Not detected		ug/Kg	RKELLING
1,1-Dichloropropene	7.6	Not detected		ug/Kg	RKELLING
Carbon Tetrachloride	7.6	Not detected		ug/Kg	RKELLING
Benzene	7.6	Not detected		ug/Kg	RKELLING
Dibromomethane	15	Not detected		ug/Kg	RKELLING
1,2-Dichloropropane	7.6	Not detected		ug/Kg	RKELLING
Trichloroethene	7.6	Not detected		ug/Kg	RKELLING
Bromodichloromethane	7.6	Not detected		ug/Kg	RKELLING
cis-1,3-Dichloropropene	7.6	Not detected		ug/Kg	RKELLING
trans-1,3-Dichloropropene	7.6	Not detected		ug/Kg	RKELLING
1,1,2-Trichloroethane	7.6	Not detected		ug/Kg	RKELLING
Toluene	7.6	Not detected		ug/Kg	RKELLING
1,3-Dichloropropane	15	Not detected		ug/Kg	RKELLING
Dibromochloromethane	7.6	Not detected		ug/Kg	RKELLING
(EDB)1,2-Dibromoethane	7.6	Not detected		ug/Kg	RKELLING
Tetrachloroethene	7.6	13	P	ug/Kg	RKELLING
Chlorobenzene	7.6	Not detected		ug/Kg	RKELLING
Ethylbenzene	7.6	Not detected		ug/Kg	RKELLING
Bromoform	31	Not detected		ug/Kg	RKELLING
m,p-Xylene	15	Not detected		ug/Kg	RKELLING
Styrene	7.6	Not detected		ug/Kg	RKELLING
1,1,2,2-Tetrachloroethane	7.6	Not detected		ug/Kg	RKELLING
1,1,1,2-Tetrachloroethane	7.6	Not detected		ug/Kg	RKELLING
o-Xylene	7.6	Not detected		ug/Kg	RKELLING
1,2,3-Trichloropropane	7.6	Not detected		ug/Kg	RKELLING
Isopropylbenzene	7.6	Not detected		ug/Kg	RKELLING

NC Division of Water Quality Laboratory Section Results

Loc. Descr.:	NO LOCATION CODE		
Location ID:	RROAPNLC	Sample ID:	AB02666
County:	WAKE	PO Number #	6G0581
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	10:30		

Analyte Name	PQL	Result	Qualifier	Units	Approved By
VOL					
Bromobenzene	7.6	Not detected		ug/Kg	RKELLING
n-Propylbenzene	7.6	Not detected		ug/Kg	RKELLING
2-Chlorotoluene	7.6	Not detected		ug/Kg	RKELLING
4-Chlorotoluene	7.6	Not detected		ug/Kg	RKELLING
1,3,5-Trimethylbenzene	7.6	Not detected		ug/Kg	RKELLING
tert-Butylbenzene	7.6	Not detected		ug/Kg	RKELLING
1,2,4-Trimethylbenzene	7.6	Not detected		ug/Kg	RKELLING
sec-Butylbenzene	7.6	Not detected		ug/Kg	RKELLING
m-Dichlorobenzene (1,3)	7.6	Not detected		ug/Kg	RKELLING
p-Dichlorobenzene (1,4)	31	Not detected		ug/Kg	RKELLING
o-Dichlorobenzene (1,2)	7.6	Not detected		ug/Kg	RKELLING
p-Isopropyltoluene	7.6	Not detected		ug/Kg	RKELLING
n-Butylbenzene	7.6	Not detected		ug/Kg	RKELLING
1,2-Dibromo-3-Chloropropane	150	Not detected		ug/Kg	RKELLING
1,2,4-Trichlorobenzene	15	Not detected		ug/Kg	RKELLING
Naphthalene	15	Not detected		ug/Kg	RKELLING
Hexachlorobutadiene	15	Not detected		ug/Kg	RKELLING
1,2,3-Trichlorobenzene	31	Not detected		ug/Kg	RKELLING

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. AB02666

REPORTED BY
CHECKED BY
REVIEWED BY

AT
VA
ARC

SUPERVISOR RSK
DATE 4/6/06

ENTERED BY _____
DATE _____

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg	CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg
75-71-8	Dichlorodifluoromethane	31	U	630-20-6	1,1,1,2-Tetrachloroethane	7.6	U
74-87-3	Chloromethane	15	U	75-25-2	Bromoform	31	U
75-01-4	Vinyl Chloride	15	U	79-34-5	1,1,2,2-Tetrachloroethane	7.6	U
74-83-9	Bromomethane	15	U	96-18-4	1,2,3-Trichloropropane	7.6	U
75-00-3	Chloroethane	15	U	108-86-1	Bromobenzene	7.6	U
75-69-4	Trichlorofluoromethane	15	U	95-49-8	2-Chlorotoluene	7.6	U
75-35-4	1,1-Dichloroethene	7.6	U	106-43-4	4-Chlorotoluene	7.6	U
75-09-2	Methylene Chloride	310	U	541-73-1	1,3-Dichlorobenzene	7.6	U
156-60-5	trans-1,2-Dichloroethene	7.6	U	106-46-7	1,4-Dichlorobenzene	31	U
75-34-3	1,1-Dichloroethane	7.6	U	95-50-1	1,2-Dichlorobenzene	7.6	U
594-20-7	2,2-Dichloropropane	15	U	96-12-8	1,2-Dibromo-3-Chloropropane	150	U
156-59-4	cis-1,2-Dichloroethene	7.6	U	120-82-1	1,2,4-Trichlorobenzene	15	U
67-66-3	Chloroform	7.6	U	87-68-3	Hexachlorobutadiene	15	U
74-97-5	Bromochloromethane	7.6	U	87-61-6	1,2,3-Trichlorobenzene	31	U
71-55-6	1,1,1-Trichloroethane	7.6	U	1634-04-4	Methyl-tert-butyl ether	7.6	U
563-58-6	1,1-Dichloropropene	7.6	U	71-43-2	Benzene	7.6	U
56-23-5	Carbon Tetrachloride	7.6	U	108-88-3	Toluene	7.6	U
107-06-2	1,2-Dichloroethane	7.6	U	100-41-4	Ethyl benzene	7.6	U
79-01-6	Trichloroethene	7.6	U	108-38-3	m,p-Xylenes	15	U
78-87-5	1,2-Dichloropropane	7.6	U	95-47-6	o-Xylene	7.6	U
75-27-4	Bromodichloromethane	7.6	U	100-42-5	Styrene	7.6	U
74-95-3	Dibromomethane	31	U	98-82-8	Isopropylbenzene	7.6	U
10061-01-5	cis-1,3-Dichloropropene	7.6	U	103-65-1	n-Propylbenzene	7.6	U
10061-02-6	trans-1,3-Dichloropropene	7.6	U	108-67-8	1,3,5-Trimethylbenzene	7.6	U
79-00-5	1,1,2-Trichloroethane	7.6	U	98-06-6	tert-Butylbenzene	7.6	U
127-18-4	Tetrachloroethene	7.6	13 P	95-63-6	1,2,4-Trimethylbenzene	7.6	U
142-28-9	1,3-Dichloropropane	15	U	135-98-8	sec-Butylbenzene	7.6	U
124-48-1	Dibromochloromethane	7.6	U	99-87-6	p-isopropyltoluene	7.6	U
106-93-4	1,2-Dibromoethane	7.6	U	104-51-8	n-Butylbenzene	7.6	U
108-90-7	Chlorobenzene	7.6	U	91-20-3	Naphthalene	15	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- P Elevated PQL due to matrix interference and/or sample dilution

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
--	---------------	------------

Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg
_____	_____
_____	_____
_____	_____
_____	_____

COMMENTS

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

COUNTY WAKE
QUAD NO _____

REPORT TO RRO Regional Office
COLLECTOR(S) : J ROUSH
DATE: 3/31/2006
TIME: 10:40
PURPOSE: _____

SAMPLE PRIORITY

ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE

2

Owner DON ALBRIGHT RESD. 7303 STONY HILL RD
Location or Site: _____
Description of sampling point: _____
Sampling Method: _____
Remarks: _____

Lab Number	AB02667
Date Received	3/31/2006
Time Received	1 35 PM
Received By	HMW
Released By	SMM
Date reported	4/6/2006

Handwritten: JOC 4/6/06

LABORATORY ANALYSIS

BOD 310	mg/Kg	Diss Solids 70300	mg/Kg	Ag-Silver 46566	mg/Kg	Organochlorine Pesticides
COD High 340	mg/Kg	Fluoride 951	mg/Kg	Al-Aluminum 46557	mg/Kg	Organophosphorus Pesticides
COD Low 335	mg/Kg	Hardness total 900	mg/Kg	As-Arsenic 46551	mg/Kg	Nitrogen Pesticides
Coliform MF Fecal 31616		Hardness: (non-carb) 902	mg/Kg	Ba-Barium 46558	mg/Kg	
Coliform MF Total 31504		Phenols 32730	ug/Kg	Ca-Calcium 46552	mg/Kg	Acid Herbicides
TOC	mg/Kg	Specific Cond 95	umhos/cm2	Cd-Cadmium 46559	mg/Kg	
Turbidity	NTU	Sulfate	mg/Kg	Cr-Chromium 46560	mg/Kg	Semivolatiles
Residue , Suspended 530	mg/Kg	Sulfide 745	mg/Kg	Cu- Copper 1042	mg/Kg	TPH-Diesel Range
Total Suspended solids	mg/Kg	MBAS	mg/Kg	Fe- Iron 1045	mg/Kg	
		Oil and Grease	mg/Kg	Hg- Mercury 71900	mg/Kg	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/Kg	K-Potassium 46555	mg/Kg	
Alkalinity to pH 4 5	mg/Kg	Boron		Mg- Magnesium 927	mg/Kg	TPH-Gasoline Range
Alkalinity to pH 8 3	mg/Kg	Formaldehyde	mg/L	Mn-Manganese 1055	mg/Kg	TPH-BTEX Gasoline Range
Carbonate	mg/Kg	NH3 as N 610	mg/Kg	Na- Sodium 929	mg/Kg	
Bicarbonate	mg/Kg	TKN as N 625	mg/Kg	Ni-Nickel	mg/Kg	
Carbon dioxide	mg/Kg	NO2 +NO3 as n 630	mg/Kg	Pb-Lead 46564	mg/Kg	
Chloride	mg/Kg	P Total as P 665	mg/Kg	Se-Selenium	mg/Kg	
Chromium Hex 1032	ug/Kg	PO4	mg/Kg	Zn-Zinc 46567	mg/Kg	
Color True 80	c.u	Nitrate (NO3 as N) 620	mg/L			
Cyanide 720	mg/Kg	Nitrite (NO2 as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

Department of Environmental and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

AB02667

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE	SAMPLE PRIORITY
<input type="checkbox"/> Water	<input type="checkbox"/> Routine
<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____	
<input type="checkbox"/> Chain of Custody	

2

Lab Number 660592
 Date Received 060331 Time 1335
 Rec'd by: HMW From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WIRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 3/31/06 Time 10:40 Purpose: Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____

Owner DON ALBRIGHT RESI.
 Location or site 7303 STONY HILL ROAD
 Description of sampling point UNDER PIPE FROM SINK, CINDER BLOCK SHED, 5" IN
 Sampling Method CLEAN SPOON Sample Interval HOLE IN BLOCK
 Remarks _____ ORGANIC SOIL
(pump, bailer, etc.) (pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310	mg/l
COD High 340	mg/l
COD Low 335	mg/l
Coliform: MF Fecal 31616	/100ml
Coliform: MF Total 31504	/100ml
TOC 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm ²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatile Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gasoline Range	

Lab Comments: LOOKING FOR PCB & TCE Temp 0.3°C

NC Division of Water Quality Laboratory Section Results

Loc. Descr.: NO LOCATION CODE			
Location ID:	RROAPNLC	Sample ID:	AB02667
County:	WAKE	PO Number #	6G0582
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	10:40		

JC
4/6/06

Analyte Name	PQL	Result	Qualifier	Units	Approved By
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LAB		0.3		°C	JGOODWIN
Sample temperature at receipt by lab					
VOL					
Dichlorodifluoromethane	33	Not detected		ug/Kg	RKELLING
Chloromethane	16	Not detected		ug/Kg	RKELLING
Vinyl Chloride	16	Not detected		ug/Kg	RKELLING
Bromomethane	16	Not detected		ug/Kg	RKELLING
Chloroethane	16	Not detected		ug/Kg	RKELLING
Trichlorofluoromethane	16	Not detected		ug/Kg	RKELLING
1,1-Dichloroethene	8.2	Not detected		ug/Kg	RKELLING
Methylene Chloride	330	Not detected		ug/Kg	RKELLING
trans-1,2-Dichloroethene	8.2	Not detected		ug/Kg	RKELLING
Methyl Tert-Butyl Ether	8.2	Not detected		ug/Kg	RKELLING
1,1-Dichloroethane	8.2	Not detected		ug/Kg	RKELLING
cis-1,2-Dichloroethene	8.2	Not detected		ug/Kg	RKELLING
Bromochloromethane	8.2	Not detected		ug/Kg	RKELLING
Chloroform	8.2	Not detected		ug/Kg	RKELLING
2,2-Dichloropropane	16	Not detected		ug/Kg	RKELLING
1,2-Dichloroethane	8.2	Not detected		ug/Kg	RKELLING
1,1,1-Trichloroethane	8.2	Not detected		ug/Kg	RKELLING
1,1-Dichloropropene	8.2	Not detected		ug/Kg	RKELLING
Carbon Tetrachloride	8.2	Not detected		ug/Kg	RKELLING
Benzene	8.2	Not detected		ug/Kg	RKELLING
Dibromomethane	33	Not detected		ug/Kg	RKELLING
1,2-Dichloropropane	8.2	Not detected		ug/Kg	RKELLING
Trichloroethene	8.2	Not detected		ug/Kg	RKELLING
Bromodichloromethane	8.2	Not detected		ug/Kg	RKELLING
cis-1,3-Dichloropropene	8.2	Not detected		ug/Kg	RKELLING
trans-1,3-Dichloropropene	8.2	Not detected		ug/Kg	RKELLING
1,1,2-Trichloroethane	8.2	Not detected		ug/Kg	RKELLING
Toluene	8.2	Not detected		ug/Kg	RKELLING
1,3-Dichloropropane	16	Not detected		ug/Kg	RKELLING
Dibromochloromethane	8.2	Not detected		ug/Kg	RKELLING
(EDB)1,2-Dibromoethane	8.2	Not detected		ug/Kg	RKELLING
Tetrachloroethene	8.2	20	P	ug/Kg	RKELLING
Chlorobenzene	8.2	Not detected		ug/Kg	RKELLING
Ethylbenzene	8.2	Not detected		ug/Kg	RKELLING
Bromoform	33	Not detected		ug/Kg	RKELLING
m,p-Xylene	16	Not detected		ug/Kg	RKELLING
Styrene	8.2	Not detected		ug/Kg	RKELLING
1,1,2,2-Tetrachloroethane	8.2	Not detected		ug/Kg	RKELLING
1,1,1,2-Tetrachloroethane	8.2	Not detected		ug/Kg	RKELLING
o-Xylene	8.2	Not detected		ug/Kg	RKELLING
1,2,3-Trichloropropane	8.2	Not detected		ug/Kg	RKELLING
Isopropylbenzene	8.2	Not detected		ug/Kg	RKELLING

NC Division of Water Quality Laboratory Section Results

Loc. Descr.:	NO LOCATION CODE		
Location ID:	RROAPNLC	Sample ID:	AB02667
County:	WAKE	PO Number #	6G0582
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	10:40		

Analyte Name	PQL	Result	Qualifier	Units	Approved By
VOL					
Bromobenzene	8.2	Not detected		ug/Kg	RKELLING
n-Propylbenzene	8.2	Not detected		ug/Kg	RKELLING
2-Chlorotoluene	8.2	Not detected		ug/Kg	RKELLING
4-Chlorotoluene	8.2	Not detected		ug/Kg	RKELLING
1,3,5-Trimethylbenzene	8.2	Not detected		ug/Kg	RKELLING
tert-Butylbenzene	8.2	Not detected		ug/Kg	RKELLING
1,2,4-Trimethylbenzene	8.2	Not detected		ug/Kg	RKELLING
sec-Butylbenzene	8.2	Not detected		ug/Kg	RKELLING
m-Dichlorobenzene (1,3)	8.2	Not detected		ug/Kg	RKELLING
p-Dichlorobenzene (1,4)	33	Not detected		ug/Kg	RKELLING
o-Dichlorobenzene (1,2)	8.2	Not detected		ug/Kg	RKELLING
p-Isopropyltoluene	8.2	Not detected		ug/Kg	RKELLING
n-Butylbenzene	8.2	Not detected		ug/Kg	RKELLING
1,2-Dibromo-3-Chloropropane	160	Not detected		ug/Kg	RKELLING
1,2,4-Trichlorobenzene	16	Not detected		ug/Kg	RKELLING
Naphthalene	16	Not detected		ug/Kg	RKELLING
Hexachlorobutadiene	16	Not detected		ug/Kg	RKELLING
1,2,3-Trichlorobenzene	33	Not detected		ug/Kg	RKELLING

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. AB02667

REPORTED BY
CHECKED BY
REVIEWED BY

AT PA
VA VA
ABC

SUPERVISOR R&K
DATE 4/6/06

ENTERED BY _____
DATE _____

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg	CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg
75-71-8	Dichlorodifluoromethane	33	U	630-20-6	1,1,1,2-Tetrachloroethane	8.2	U
74-87-3	Chloromethane	16	U	75-25-2	Bromoform	33	U
75-01-4	Vinyl Chloride	16	U	79-34-5	1,1,2,2-Tetrachloroethane	8.2	U
74-83-9	Bromomethane	16	U	96-18-4	1,2,3-Trichloropropane	8.2	U
75-00-3	Chloroethane	16	U	108-86-1	Bromobenzene	8.2	U
75-69-4	Trichlorofluoromethane	16	U	95-49-8	2-Chlorotoluene	8.2	U
75-35-4	1,1-Dichloroethene	8.2	U	106-43-4	4-Chlorotoluene	8.2	U
75-09-2	Methylene Chloride	330	U	541-73-1	1,3-Dichlorobenzene	8.2	U
156-60-5	trans-1,2-Dichloroethene	8.2	U	106-46-7	1,4-Dichlorobenzene	33	U
75-34-3	1,1-Dichloroethane	8.2	U	95-50-1	1,2-Dichlorobenzene	8.2	U
594-20-7	2,2-Dichloropropane	16	U	96-12-8	1,2-Dibromo-3-Chloropropane	160	U
156-59-4	cis-1,2-Dichloroethene	8.2	U	120-82-1	1,2,4-Trichlorobenzene	16	U
67-66-3	Chloroform	8.2	U	87-68-3	Hexachlorobutadiene	16	U
74-97-5	Bromochloromethane	8.2	U	87-61-6	1,2,3-Trichlorobenzene	33	U
71-55-6	1,1,1-Trichloroethane	8.2	U	1634-04-4	Methyl-tert-butyl ether	8.2	U
563-58-6	1,1-Dichloropropene	8.2	U	71-43-2	Benzene	8.2	U
56-23-5	Carbon Tetrachloride	8.2	U	108-88-3	Toluene	8.2	U
107-06-2	1,2-Dichloroethane	8.2	U	100-41-4	Ethyl benzene	8.2	U
79-01-6	Trichloroethene	8.2	U	108-38-3	m,p-Xylenes	16	U
78-87-5	1,2-Dichloropropane	8.2	U	95-47-6	o-Xylene	8.2	U
75-27-4	Bromodichloromethane	8.2	U	100-42-5	Styrene	8.2	U
74-95-3	Dibromomethane	33	U	98-82-8	Isopropylbenzene	8.2	U
10061-01-5	cis-1,3-Dichloropropene	8.2	U	103-65-1	n-Propylbenzene	8.2	U
10061-02-6	trans-1,3-Dichloropropene	8.2	U	108-67-8	1,3,5-Trimethylbenzene	8.2	U
79-00-5	1,1,2-Trichloroethane	8.2	U	98-06-6	tert-Butylbenzene	8.2	U
127-18-4	Tetrachloroethene	8.2	20 P	95-63-6	1,2,4-Trimethylbenzene	8.2	U
142-28-9	1,3-Dichloropropane	16	U	135-98-8	sec-Butylbenzene	8.2	U
124-48-1	Dibromochloromethane	8.2	U	99-87-6	p-isopropyltoluene	8.2	U
106-93-4	1,2-Dibromoethane	8.2	U	104-51-8	n-Butylbenzene	8.2	U
108-90-7	Chlorobenzene	8.2	U	91-20-3	Naphthalene	16	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- P Elevated PQL due to matrix interference and/or sample dilution

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
--	---------------	------------

Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg

COMMENTS

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

COUNTY WAKE
QUAD NO _____

REPORT TO RRO Regional Office

COLLECTOR(S) J ROUSH

DATE 3/31/2006

TIME 10:50

PURPOSE _____

SAMPLE PRIORITY

ROUTINE EMERGENCY

CHAIN OF CUSTODY

3

SAMPLE TYPE

Owner DON ALBRIGHT RESI. 7303 STONY HILL RD

Location or Site _____

Description of sampling point _____

Sampling Method: _____

Remarks _____

Lab Number :	AB02668
Date Received :	3/31/2006
Time Received :	1:35 PM
Received By :	HMW
Released By :	SMM
Date reported :	4/6/2006

Handwritten: J.C. 4/6/06

LABORATORY ANALYSIS

BOD 310	mg/Kg
COD High 340	mg/Kg
COD Low 335	mg/Kg
Coliform MF Fecal 31616	
Coliform MF Total 31504	
TOC	mg/Kg
Turbidity	NTU
Residue., Suspended 530	mg/Kg
Total Suspended solids	mg/Kg
pH	units
Alkalinity to pH 4 5	mg/Kg
Alkalinity to pH 8 3	mg/Kg
Carbonate	mg/Kg
Bicarbonate	mg/Kg
Carbon dioxide	mg/Kg
Chloride	mg/Kg
Chromium Hex 1032	ug/Kg
Color True 80	c u
Cyanide 720	mg/Kg

Diss Solids 70300	mg/Kg
Fluoride 951	mg/Kg
Hardness, total 900	mg/Kg
Hardness (non-carb) 902	mg/Kg
Phenols 32730	ug/Kg
Specific Cond 95	umhos/cm2
Sulfate	mg/Kg
Sulfide 745	mg/Kg
MBAS	mg/Kg
Oil and Grease	mg/Kg
Silica	mg/Kg
Boron	
Formaldehyde	mg/L
NH3 as N 610	mg/Kg
TKN as N 625	mg/Kg
NO2 +NO3 as n 630	mg/Kg
P Total as P 665	mg/Kg
PO4	mg/Kg
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

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

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

COMMENTS :

GROUNDWATER FIELD/LAB FORM

Department of Environment
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

AR302668

County WAKE
 Quad No. _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE	SAMPLE PRIORITY
<input type="checkbox"/> Water	<input type="checkbox"/> Routine
<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____	
<input type="checkbox"/> Chain of Custody	

3

Lab Number 660583
 Date Received 060331 Time 1335
 Rec'd by: HMW From: Bus, Courier, Hand Del.,
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, ARO, WaRO, WIRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del. Other: _____ Purpose:
 Collector(s): JIM ROUSH Date 3/31/06 Time 10:50 Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25°C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____

Owner DON ALBRIGHT REST.
 Location or site 7303 STONY HILL ROAD
 Description of sampling point IN HOLE AT 5" NORTH OF SAMPLES 1 & 2
 Sampling Method CLEAN SPOON Sample Interval _____
 Remarks _____ (pumping time, air temp. etc.)

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 680	mg/l
Turbidity 76	NTU
Residue., Suspended 530	mg/l
pH 403	units
Alkalinity to pH 4.5 410	mg/l
Alkalinity to pH 8.3 415	mg/l
Carbonate 445	mg/l
Bicarbonate 440	mg/l
Carbon dioxide 405	mg/l
Chloride 940	mg/l
Chromium: Hex 1032	ug/l
Color: True 80	CU
Cyanide 720	mg/l

Diss. Solids 70300	mg/l
Flouride 951	mg/l
Hardness: Total 900	mg/l
Hardness (non-carb) 902	mg/l
Phenols 32730	ug/l
Specific Cond. 95	uMhos/cm ²
Sulfate 945	mg/l
Sulfide 745	mg/l
Oil and Grease	mg/l
NH ₃ as N 610	mg/l
TKN as N 625	mg/l
NO ₂ + NO ₃ as N 630	mg/l
P: Total as P 665	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 46560	ug/l
Cu - Copper 46562	ug/l
Fe - Iron 46563	ug/l
Hg - Mercury 71900	ug/l
K - Potassium 46555	mg/l
Mg - Magnesium 46554	mg/l
Mn - Manganese 46565	ug/l
Na - Sodium 46556	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	
PCB's	
Semivolatile Organics	
TPH - Diesel Range	
<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)	
TPH - Gasoline Range	
TPH - BTEX Gasoline Range	

V

Lab Comments: LOOKING FOR PCE & TCE Temp. 13°C

NC Division of Water Quality Laboratory Section Results

Loc. Descr.: NO LOCATION CODE			
Location ID:	RROAPNLC	Sample ID:	AB02668
County:	WAKE	PO Number #	6G0583
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	10:50		

gc
4/6/06

Analyte Name	PQL	Result	Qualifier	Units	Approved By
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LAB					
Sample temperature at receipt by lab		0.3		°C	JGOODWIN
VOL					
Dichlorodifluoromethane	32	Not detected		ug/Kg	RKELLING
Chloromethane	16	Not detected		ug/Kg	RKELLING
Vinyl Chloride	16	Not detected		ug/Kg	RKELLING
Bromomethane	16	Not detected		ug/Kg	RKELLING
Chloroethane	16	Not detected		ug/Kg	RKELLING
Trichlorofluoromethane	16	Not detected		ug/Kg	RKELLING
1,1-Dichloroethene	8.0	Not detected		ug/Kg	RKELLING
Methylene Chloride	320	Not detected		ug/Kg	RKELLING
trans-1,2-Dichloroethene	8.0	Not detected		ug/Kg	RKELLING
Methyl Tert-Butyl Ether	8.0	Not detected		ug/Kg	RKELLING
1,1-Dichloroethane	8.0	Not detected		ug/Kg	RKELLING
cis-1,2-Dichloroethene	8.0	Not detected		ug/Kg	RKELLING
Bromochloromethane	8.0	Not detected		ug/Kg	RKELLING
Chloroform	8.0	Not detected		ug/Kg	RKELLING
2,2-Dichloropropane	16	Not detected		ug/Kg	RKELLING
1,2-Dichloroethane	8.0	Not detected		ug/Kg	RKELLING
1,1,1-Trichloroethane	8.0	Not detected		ug/Kg	RKELLING
1,1-Dichloropropene	8.0	Not detected		ug/Kg	RKELLING
Carbon Tetrachloride	8.0	Not detected		ug/Kg	RKELLING
Benzene	8.0	Not detected		ug/Kg	RKELLING
Dibromomethane	16	Not detected		ug/Kg	RKELLING
1,2-Dichloropropane	8.0	Not detected		ug/Kg	RKELLING
Trichloroethene	8.0	Not detected		ug/Kg	RKELLING
Bromodichloromethane	8.0	Not detected		ug/Kg	RKELLING
cis-1,3-Dichloropropene	8.0	Not detected		ug/Kg	RKELLING
trans-1,3-Dichloropropene	8.0	Not detected		ug/Kg	RKELLING
1,1,2-Trichloroethane	8.0	Not detected		ug/Kg	RKELLING
Toluene	8.0	Not detected		ug/Kg	RKELLING
1,3-Dichloropropane	16	Not detected		ug/Kg	RKELLING
Dibromochloromethane	8.0	Not detected		ug/Kg	RKELLING
(EDB)1,2-Dibromoethane	8.0	Not detected		ug/Kg	RKELLING
Tetrachloroethene	8.0	32	P	ug/Kg	RKELLING
Chlorobenzene	8.0	Not detected		ug/Kg	RKELLING
Ethylbenzene	8.0	Not detected		ug/Kg	RKELLING
Bromoform	32	Not detected		ug/Kg	RKELLING
m,p-Xylene	16	Not detected		ug/Kg	RKELLING
Styrene	8.0	Not detected		ug/Kg	RKELLING
1,1,2,2-Tetrachloroethane	8.0	Not detected		ug/Kg	RKELLING
1,1,1,2-Tetrachloroethane	8.0	Not detected		ug/Kg	RKELLING
o-Xylene	8.0	Not detected		ug/Kg	RKELLING
1,2,3-Trichloropropane	8.0	Not detected		ug/Kg	RKELLING
Isopropylbenzene	8.0	Not detected		ug/Kg	RKELLING

NC Division of Water Quality Laboratory Section Results

Loc. Descr.: NO LOCATION CODE			
Location ID:	RROAPNLC	Sample ID:	AB02668
County:	WAKE	PO Number #	6G0583
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	10:50		

Analyte Name	PQL	Result	Qualifier	Units	Approved By
VOL					
Bromobenzene	8.0	Not detected		ug/Kg	RKELLING
γ-Propylbenzene	8.0	Not detected		ug/Kg	RKELLING
2-Chlorotoluene	8.0	Not detected		ug/Kg	RKELLING
4-Chlorotoluene	8.0	Not detected		ug/Kg	RKELLING
1,3,5-Trimethylbenzene	8.0	Not detected		ug/Kg	RKELLING
tert-Butylbenzene	8.0	Not detected		ug/Kg	RKELLING
1,2,4-Trimethylbenzene	8.0	Not detected		ug/Kg	RKELLING
sec-Butylbenzene	8.0	Not detected		ug/Kg	RKELLING
m-Dichlorobenzene (1,3)	8.0	Not detected		ug/Kg	RKELLING
p-Dichlorobenzene (1,4)	32	Not detected		ug/Kg	RKELLING
o-Dichlorobenzene (1,2)	8.0	Not detected		ug/Kg	RKELLING
p-Isopropyltoluene	8.0	Not detected		ug/Kg	RKELLING
n-Butylbenzene	8.0	Not detected		ug/Kg	RKELLING
1,2-Dibromo-3-Chloropropane	160	Not detected		ug/Kg	RKELLING
1,2,4-Trichlorobenzene	16	Not detected		ug/Kg	RKELLING
Naphthalene	16	Not detected		ug/Kg	RKELLING
Hexachlorobutadiene	16	Not detected		ug/Kg	RKELLING
1,2,3-Trichlorobenzene	32	Not detected		ug/Kg	RKELLING

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. AB02668

REPORTED BY
CHECKED BY
REVIEWED BY

AT
VA

SUPERVISOR BSK
DATE 4/16/06

ENTERED BY _____
DATE _____

SAMPLE TYPE. SOIL

ANALYTICAL RESULTS

CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg	CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg
75-71-8	Dichlorodifluoromethane	32	U	630-20-6	1,1,1,2-Tetrachloroethane	8.0	U
74-87-3	Chloromethane	16	U	75-25-2	Bromoform	32	U
75-01-4	Vinyl Chloride	16	U	79-34-5	1,1,2,2-Tetrachloroethane	8.0	U
74-83-9	Bromomethane	16	U	96-18-4	1,2,3-Trichloropropane	8.0	U
75-00-3	Chloroethane	16	U	108-86-1	Bromobenzene	8.0	U
75-69-4	Trichlorofluoromethane	16	U	95-49-8	2-Chlorotoluene	8.0	U
75-35-4	1,1-Dichloroethene	8.0	U	106-43-4	4-Chlorotoluene	8.0	U
75-09-2	Methylene Chloride	320	U	541-73-1	1,3-Dichlorobenzene	8.0	U
156-60-5	trans-1,2-Dichloroethene	8.0	U	106-46-7	1,4-Dichlorobenzene	32	U
75-34-3	1,1-Dichloroethane	8.0	U	95-50-1	1,2-Dichlorobenzene	8.0	U
594-20-7	2,2-Dichloropropane	16	U	96-12-8	1,2-Dibromo-3-Chloropropane	160	U
156-59-4	cis-1,2-Dichloroethene	8.0	U	120-82-1	1,2,4-Trichlorobenzene	16	U
67-66-3	Chloroform	8.0	U	87-68-3	Hexachlorobutadiene	16	U
74-97-5	Bromochloromethane	8.0	U	87-61-6	1,2,3-Trichlorobenzene	32	U
71-55-6	1,1,1-Trichloroethane	8.0	U	1634-04-4	Methyl-tert-butyl ether	8.0	U
563-58-6	1,1-Dichloropropene	8.0	U	71-43-2	Benzene	8.0	U
56-23-5	Carbon Tetrachloride	8.0	U	108-88-3	Toluene	8.0	U
107-06-2	1,2-Dichloroethane	8.0	U	100-41-4	Ethyl benzene	8.0	U
79-01-6	Trichloroethene	8.0	U	108-38-3	m,p-Xylenes	16	U
78-87-5	1,2-Dichloropropane	8.0	U	95-47-6	o-Xylene	8.0	U
75-27-4	Bromodichloromethane	8.0	U	100-42-5	Styrene	8.0	U
74-95-3	Dibromomethane	32	U	98-82-8	Isopropylbenzene	8.0	U
10061-01-5	cis-1,3-Dichloropropene	8.0	U	103-65-1	n-Propylbenzene	8.0	U
10061-02-6	trans-1,3-Dichloropropene	8.0	U	108-67-8	1,3,5-Trimethylbenzene	8.0	U
79-00-5	1,1,2-Trichloroethane	8.0	U	98-06-6	tert-Butylbenzene	8.0	U
127-18-4	Tetrachloroethene	8.0	32 P	95-63-6	1,2,4-Trimethylbenzene	8.0	U
142-28-9	1,3-Dichloropropane	16	U	135-98-8	sec-Butylbenzene	8.0	U
124-48-1	Dibromochloromethane	8.0	U	99-87-6	p-isopropyltoluene	8.0	U
106-93-4	1,2-Dibromoethane	8.0	U	104-51-8	n-Butylbenzene	8.0	U
108-90-7	Chlorobenzene	8.0	U	91-20-3	Naphthalene	16	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- P Elevated PQL due to matrix interference and/or sample dilution

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
--	---------------	------------

Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg
_____	_____
_____	_____
_____	_____
_____	_____

COMMENTS

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

COUNTY WAKE
QUAD NO _____

REPORT TO RRO Regional Office
COLLECTOR(S) J ROUSH
DATE 3/31/2006
TIME 11:00
PURPOSE: _____

SAMPLE PRIORITY

ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE

4

Owner DON ALBRIGHT RESI 7303 STONY HILL RD
Location or Site _____
Description of sampling point _____
Sampling Method. _____
Remarks: _____

Lab Number	AB02669
Date Received	3/31/2006
Time Received	1 35 PM
Received By	HMW
Released By	SMM
Date reported	4/6/2006

-JC 4/6/06

LABORATORY ANALYSIS

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

Diss Solids 70300	mg/Kg
Fluoride 951	mg/Kg
Hardness total 900	mg/Kg
Hardness (non-carb) 902	mg/Kg
Phenols 32730	ug/Kg
Specific Cond 95	umhos/cm2
Sulfate	mg/Kg
Sulfide 745	mg/Kg
MBAS	mg/Kg
Oil and Grease	mg/Kg
Silica	mg/Kg
Boron	
Formaldehyde	mg/L
NH3 as N 610	mg/Kg
TKN as N 625	mg/Kg
NO2 +NO3 as n 630	mg/Kg
P Total as P 665	mg/Kg
PO4	mg/Kg
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

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

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

COMMENTS : _____

AR02669

County WAKE
Quad No. _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input type="checkbox"/> Routine	<input type="checkbox"/> Routine	<input type="checkbox"/> Routine
<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Emergency	<input checked="" type="checkbox"/> Emergency	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____			
<input type="checkbox"/> Chain of Custody			

4

Lab Number 660584
Date Received 060331 Time 1335
Rec'd by: HMW From: Bus, Courier (Hand Del.), Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, (ARO) WaRO, WIRO, WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, (Hand Del.), Other: _____

Collector(s): JIM ROUSH Date 3/31/06 Time 11:00 Purpose: Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25° C
Temp.₁₀ _____ °C Odor _____
Appearance _____
Field Analysis By: _____

Owner DON ALBRIGHT REST.
Location or site T303 STONY HILL RD.
Description of sampling point HOLE EAST OF SAMPLES 142, 4" DEEP
Sampling Method CLEAN SPOON Sample Interval _____
Remarks _____
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
		Fe - Iron 46563 ug/l	Semivolatiles Organics
	Oil and Grease mg/l	Hg - Mercury 71900 ug/l	TPH - Diesel Range
pH 403 units		K - Potassium 46555 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mn - Manganese 46565 ug/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chromium: Hex 1032 ug/l		Zn - Zinc 46567 ug/l	
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: LOOKING FOR PCE & TCE Temp 0.3°C

NC Division of Water Quality Laboratory Section Results

Loc. Descr.:	NO LOCATION CODE		
Location ID:	RROAPNLC	Sample ID:	AB02669
County:	WAKE	PO Number #	6G0584
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	11:00		

7C
4/6/06

Analyte Name	PQL	Result	Qualifier	Units	Approved By
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LAB					
Sample temperature at receipt by lab		0.3		°C	JGOODWIN
VOL					
Dichlorodifluoromethane	31	Not detected		ug/Kg	RKELLING
Chloromethane	16	Not detected		ug/Kg	RKELLING
Vinyl Chloride	16	Not detected		ug/Kg	RKELLING
Bromomethane	16	Not detected		ug/Kg	RKELLING
Chloroethane	16	Not detected		ug/Kg	RKELLING
Trichlorofluoromethane	16	Not detected		ug/Kg	RKELLING
1,1-Dichloroethene	7.8	Not detected		ug/Kg	RKELLING
Methylene Chloride	310	Not detected		ug/Kg	RKELLING
trans-1,2-Dichloroethene	7.8	Not detected		ug/Kg	RKELLING
Methyl Tert-Butyl Ether	7.8	Not detected		ug/Kg	RKELLING
1,1-Dichloroethane	7.8	Not detected		ug/Kg	RKELLING
cis-1,2-Dichloroethene	7.8	Not detected		ug/Kg	RKELLING
Bromochloromethane	7.8	Not detected		ug/Kg	RKELLING
Chloroform	7.8	Not detected		ug/Kg	RKELLING
2,2-Dichloropropane	16	Not detected		ug/Kg	RKELLING
1,2-Dichloroethane	7.8	Not detected		ug/Kg	RKELLING
1,1,1-Trichloroethane	7.8	Not detected		ug/Kg	RKELLING
1,1-Dichloropropene	7.8	Not detected		ug/Kg	RKELLING
Carbon Tetrachloride	7.8	Not detected		ug/Kg	RKELLING
Benzene	7.8	Not detected		ug/Kg	RKELLING
Dibromomethane	16	Not detected		ug/Kg	RKELLING
1,2-Dichloropropane	7.8	Not detected		ug/Kg	RKELLING
Trichloroethene	7.8	Not detected		ug/Kg	RKELLING
Bromodichloromethane	7.8	Not detected		ug/Kg	RKELLING
cis-1,3-Dichloropropene	7.8	Not detected		ug/Kg	RKELLING
trans-1,3-Dichloropropene	7.8	Not detected		ug/Kg	RKELLING
1,1,2-Trichloroethane	7.8	Not detected		ug/Kg	RKELLING
Toluene	7.8	Not detected		ug/Kg	RKELLING
1,3-Dichloropropane	16	Not detected		ug/Kg	RKELLING
Dibromochloromethane	7.8	Not detected		ug/Kg	RKELLING
(EDB)1,2-Dibromoethane	7.8	Not detected		ug/Kg	RKELLING
Tetrachloroethene	7.8	18	P	ug/Kg	RKELLING
Chlorobenzene	7.8	Not detected		ug/Kg	RKELLING
Ethylbenzene	7.8	Not detected		ug/Kg	RKELLING
Bromoform	31	Not detected		ug/Kg	RKELLING
m,p-Xylene	16	Not detected		ug/Kg	RKELLING
Styrene	7.8	Not detected		ug/Kg	RKELLING
1,1,2,2-Tetrachloroethane	7.8	Not detected		ug/Kg	RKELLING
1,1,1,2-Tetrachloroethane	7.8	Not detected		ug/Kg	RKELLING
o-Xylene	7.8	Not detected		ug/Kg	RKELLING
1,2,3-Trichloropropane	7.8	Not detected		ug/Kg	RKELLING
Isopropylbenzene	7.8	Not detected		ug/Kg	RKELLING

NC Division of Water Quality Laboratory Section Results

Loc. Descr.: NO LOCATION CODE			
Location ID:	RROAPNLC	Sample ID:	AB02669
County:	WAKE	PO Number #	6G0584
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	11:00		

Analyte Name	PQL	Result	Qualifier	Units	Approved By
VOL					
Bromobenzene	7.8	Not detected		ug/Kg	RKELLING
γ-Propylbenzene	7.8	Not detected		ug/Kg	RKELLING
2-Chlorotoluene	7.8	Not detected		ug/Kg	RKELLING
4-Chlorotoluene	7.8	Not detected		ug/Kg	RKELLING
1,3,5-Trimethylbenzene	7.8	Not detected		ug/Kg	RKELLING
tert-Butylbenzene	7.8	Not detected		ug/Kg	RKELLING
1,2,4-Trimethylbenzene	7.8	Not detected		ug/Kg	RKELLING
sec-Butylbenzene	7.8	Not detected		ug/Kg	RKELLING
m-Dichlorobenzene (1,3)	7.8	Not detected		ug/Kg	RKELLING
p-Dichlorobenzene (1,4)	31	Not detected		ug/Kg	RKELLING
o-Dichlorobenzene (1,2)	7.8	Not detected		ug/Kg	RKELLING
p-Isopropyltoluene	7.8	Not detected		ug/Kg	RKELLING
n-Butylbenzene	7.8	Not detected		ug/Kg	RKELLING
1,2-Dibromo-3-Chloropropane	160	Not detected		ug/Kg	RKELLING
1,2,4-Trichlorobenzene	16	Not detected		ug/Kg	RKELLING
Naphthalene	16	Not detected		ug/Kg	RKELLING
Hexachlorobutadiene	16	Not detected		ug/Kg	RKELLING
1,2,3-Trichlorobenzene	31	Not detected		ug/Kg	RKELLING

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. AB02669

REPORTED BY AT
CHECKED BY VA
REVIEWED BY UC

SUPERVISOR Rek
DATE 3/6/06

ENTERED BY _____
DATE _____

SAMPLE TYPE SOIL

ANALYTICAL RESULTS

CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg	CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg
75-71-8	Dichlorodifluoromethane	31	U	630-20-6	1,1,1,2-Tetrachloroethane	7.8	U
74-87-3	Chloromethane	16	U	75-25-2	Bromoform	31	U
75-01-4	Vinyl Chloride	16	U	79-34-5	1,1,2,2-Tetrachloroethane	7.8	U
74-83-9	Bromomethane	16	U	96-18-4	1,2,3-Trichloropropane	7.8	U
75-00-3	Chloroethane	16	U	108-86-1	Bromobenzene	7.8	U
75-69-4	Trichlorofluoromethane	16	U	95-49-8	2-Chlorotoluene	7.8	U
75-35-4	1,1-Dichloroethene	7.8	U	106-43-4	4-Chlorotoluene	7.8	U
75-09-2	Methylene Chloride	310	U	541-73-1	1,3-Dichlorobenzene	7.8	U
156-60-5	trans-1,2-Dichloroethene	7.8	U	106-46-7	1,4-Dichlorobenzene	31	U
75-34-3	1,1-Dichloroethane	7.8	U	95-50-1	1,2-Dichlorobenzene	7.8	U
594-20-7	2,2-Dichloropropane	16	U	96-12-8	1,2-Dibromo-3-Chloropropane	160	U
156-59-4	cis-1,2-Dichloroethene	7.8	U	120-82-1	1,2,4-Trichlorobenzene	16	U
67-66-3	Chloroform	7.8	U	87-68-3	Hexachlorobutadiene	16	U
74-97-5	Bromochloromethane	7.8	U	87-61-6	1,2,3-Trichlorobenzene	31	U
71-55-6	1,1,1-Trichloroethane	7.8	U	1634-04-4	Methyl-tert-butyl ether	7.8	U
563-58-6	1,1-Dichloropropene	7.8	U	71-43-2	Benzene	7.8	U
56-23-5	Carbon Tetrachloride	7.8	U	108-88-3	Toluene	7.8	U
107-06-2	1,2-Dichloroethane	7.8	U	100-41-4	Ethyl benzene	7.8	U
79-01-6	Trichloroethene	7.8	U	108-38-3	m,p-Xylenes	16	U
78-87-5	1,2-Dichloropropane	7.8	U	95-47-6	o-Xylene	7.8	U
75-27-4	Bromodichloromethane	7.8	U	100-42-5	Styrene	7.8	U
74-95-3	Dibromomethane	31	U	98-82-8	Isopropylbenzene	7.8	U
10061-01-5	cis-1,3-Dichloropropene	7.8	U	103-65-1	n-Propylbenzene	7.8	U
10061-02-6	trans-1,3-Dichloropropene	7.8	U	108-67-8	1,3,5-Trimethylbenzene	7.8	U
79-00-5	1,1,2-Trichloroethane	7.8	U	98-06-6	tert-Butylbenzene	7.8	U
127-18-4	Tetrachloroethene	7.8	18 P	95-63-6	1,2,4-Trimethylbenzene	7.8	U
142-28-9	1,3-Dichloropropane	16	U	135-98-8	sec-Butylbenzene	7.8	U
124-48-1	Dibromochloromethane	7.8	U	99-87-6	p-isopropyltoluene	7.8	U
106-93-4	1,2-Dibromoethane	7.8	U	104-51-8	n-Butylbenzene	7.8	U
108-90-7	Chlorobenzene	7.8	U	91-20-3	Naphthalene	16	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- P Elevated PQL due to matrix interference and/or sample dilution

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg	
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

COMMENTS _____

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

COUNTY WAKE
QUAD NO _____

REPORT TO RRO Regional Office
COLLECTOR(S) J ROUSH
DATE 3/31/2006
TIME 11:10
PURPOSE _____

SAMPLE PRIORITY
 ROUTINE EMERGENCY

 CHAIN OF CUSTODY
 SAMPLE TYPE

5

Lab Number .	AB02670
Date Received .	3/31/2006
Time Received :	1:35 PM
Received By .	HMW
Released By .	JMM
Date reported :	4/6/2006

4/6/06

Owner DON ALBRIGHT RES 7303 STONY HILL
Location or Site _____
Description of sampling point _____
Sampling Method _____
Remarks: _____

LABORATORY ANALYSIS

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

Diss. Solids 70300	mg/Kg
Fluoride 951	mg/Kg
Hardness total 900	mg/Kg
Hardness (non-carb) 902	mg/Kg
Phenols 32730	ug/Kg
Specific Cond. 95	umhos/cm2
Sulfate	mg/Kg
Sulfide 745	mg/Kg
MBAS	mg/Kg
Oil and Grease	mg/Kg
Silica	mg/Kg
Boron	
Formaldehyde	mg/L
NH3 as N 610	mg/Kg
TKN as N 625	mg/Kg
NO2 +NO3 as n 630	mg/Kg
P Total as P 665	mg/Kg
PO4	mg/Kg
Nitrate (NO3 as N) 620	mg/L
Nitrite (NO2 as N) 615	mg/L

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

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

COMMENTS : _____

AR02670

County WAKE
Quad No. _____ Serial No. _____
Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input type="checkbox"/> Water	<input type="checkbox"/> Routine	<input type="checkbox"/> Routine	<input type="checkbox"/> Emergency
<input checked="" type="checkbox"/> Soil	<input checked="" type="checkbox"/> Emergency		
<input type="checkbox"/> Other			
<input type="checkbox"/> Chain of Custody			

5

Lab Number 660585
Date Received 060331 Time 1335
Rec'd by: HMW From: Bus, Courier, Hand Del.
Other: _____
Data Entry By: _____ Ck: _____
Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WIRO, WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____

Shipped by: Bus, Courier, Hand Del. Other: _____

Collector(s): JIM ROUSH Date 3/31/06 Time 11:10 Purpose: Baseline Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

Owner DON ALBRIGHT RES.
Location or site 7303 STONY HILL
Description of sampling point SURFACE SAMPLE @ BACK DOOR
Sampling Method CLEAN SPOON Sample Interval _____
Remarks _____
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Ag - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
		Fe - Iron 46563 ug/l	Semivolatile Organics
	Oil and Grease mg/l	Hg - Mercury 71900 ug/l	TPH - Diesel Range
pH 403 units		K - Potassium 46555 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mn - Manganese 46565 ug/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chromium: Hex 1032 ug/l		Zn - Zinc 46567 ug/l	
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: LOOKING FOR ACE & TCE Temp 0.3°C

NC Division of Water Quality Laboratory Section Results

Loc. Descr.:	NO LOCATION CODE		
Location ID:	RROAPNLC	Sample ID:	AB02670
County:	WAKE	PO Number #	6G0585
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	11:10		

JC
4/6/06

Analyte Name	PQL	Result	Qualifier	Units	Approved By
--------------	-----	--------	-----------	-------	-------------

LAB					
Sample temperature at receipt by lab		0.3		°C	JGOODWIN
VOL					
Dichlorodifluoromethane	30	Not detected		ug/Kg	RKELLING
Chloromethane	15	Not detected		ug/Kg	RKELLING
Vinyl Chloride	15	Not detected		ug/Kg	RKELLING
Bromomethane	15	Not detected		ug/Kg	RKELLING
Chloroethane	15	Not detected		ug/Kg	RKELLING
Trichlorofluoromethane	15	Not detected		ug/Kg	RKELLING
1,1-Dichloroethene	7.4	Not detected		ug/Kg	RKELLING
Methylene Chloride	300	Not detected		ug/Kg	RKELLING
trans-1,2-Dichloroethene	7.4	Not detected		ug/Kg	RKELLING
Methyl Tert-Butyl Ether	7.4	Not detected		ug/Kg	RKELLING
1,1-Dichloroethane	7.4	Not detected		ug/Kg	RKELLING
cis-1,2-Dichloroethene	7.4	Not detected		ug/Kg	RKELLING
Bromochloromethane	7.4	Not detected		ug/Kg	RKELLING
Chloroform	7.4	Not detected		ug/Kg	RKELLING
2,2-Dichloropropane	15	Not detected		ug/Kg	RKELLING
1,2-Dichloroethane	7.4	Not detected		ug/Kg	RKELLING
1,1,1-Trichloroethane	7.4	Not detected		ug/Kg	RKELLING
1,1-Dichloropropene	7.4	Not detected		ug/Kg	RKELLING
Carbon Tetrachloride	7.4	Not detected		ug/Kg	RKELLING
Benzene	7.4	Not detected		ug/Kg	RKELLING
Dibromomethane	30	Not detected		ug/Kg	RKELLING
1,2-Dichloropropane	7.4	Not detected		ug/Kg	RKELLING
Trichloroethene	7.4	Not detected		ug/Kg	RKELLING
Bromodichloromethane	7.4	Not detected		ug/Kg	RKELLING
cis-1,3-Dichloropropene	7.4	Not detected		ug/Kg	RKELLING
trans-1,3-Dichloropropene	7.4	Not detected		ug/Kg	RKELLING
1,1,2-Trichloroethane	7.4	Not detected		ug/Kg	RKELLING
Toluene	7.4	Not detected		ug/Kg	RKELLING
1,3-Dichloropropane	15	Not detected		ug/Kg	RKELLING
Dibromochloromethane	7.4	Not detected		ug/Kg	RKELLING
(EDB)1,2-Dibromoethane	7.4	Not detected		ug/Kg	RKELLING
Tetrachloroethene	7.4	Not detected		ug/Kg	RKELLING
Chlorobenzene	7.4	Not detected		ug/Kg	RKELLING
Ethylbenzene	7.4	Not detected		ug/Kg	RKELLING
Bromoform	30	Not detected		ug/Kg	RKELLING
m,p-Xylene	15	Not detected		ug/Kg	RKELLING
Styrene	7.4	Not detected		ug/Kg	RKELLING
1,1,1,2-Tetrachloroethane	7.4	Not detected		ug/Kg	RKELLING
1,1,1,2-Tetrachloroethane	7.4	Not detected		ug/Kg	RKELLING
o-Xylene	7.4	Not detected		ug/Kg	RKELLING
1,2,3-Trichloropropane	7.4	Not detected		ug/Kg	RKELLING
Isopropylbenzene	7.4	Not detected		ug/Kg	RKELLING

NC Division of Water Quality Laboratory Section Results

Loc. Descr.:	NO LOCATION CODE		
Location ID:	RROAPNLC	Sample ID:	AB02670
County:	WAKE	PO Number #	6G0585
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Soil/Sediment	Date Reported:	04/06/2006
Loc. Type:	SOIL/SEDIMENT		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	11:10		

Analyte Name	PQL	Result	Qualifier	Units	Approved By
VOL					
Bromobenzene	7.4	Not detected		ug/Kg	RKELLING
n-Propylbenzene	7.4	Not detected		ug/Kg	RKELLING
2-Chlorotoluene	7.4	Not detected		ug/Kg	RKELLING
4-Chlorotoluene	7.4	Not detected		ug/Kg	RKELLING
1,3,5-Trimethylbenzene	7.4	Not detected		ug/Kg	RKELLING
tert-Butylbenzene	7.4	Not detected		ug/Kg	RKELLING
1,2,4-Trimethylbenzene	7.4	Not detected		ug/Kg	RKELLING
sec-Butylbenzene	7.4	Not detected		ug/Kg	RKELLING
m-Dichlorobenzene (1,3)	7.4	Not detected		ug/Kg	RKELLING
p-Dichlorobenzene (1,4)	30	Not detected		ug/Kg	RKELLING
o-Dichlorobenzene (1,2)	7.4	Not detected		ug/Kg	RKELLING
p-Isopropyltoluene	7.4	Not detected		ug/Kg	RKELLING
n-Butylbenzene	7.4	Not detected		ug/Kg	RKELLING
1,2-Dibromo-3-Chloropropane	150	Not detected		ug/Kg	RKELLING
1,2,4-Trichlorobenzene	15	Not detected		ug/Kg	RKELLING
Naphthalene	15	Not detected		ug/Kg	RKELLING
Hexachlorobutadiene	15	Not detected		ug/Kg	RKELLING
1,2,3-Trichlorobenzene	30	Not detected		ug/Kg	RKELLING
.beta.-Pinene		55	N1, P	ug/Kg	RKELLING
1R-.alpha.-Pinene		110	N1, P	ug/Kg	RKELLING

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. AB02670

REPORTED BY
CHECKED BY
REVIEWED BY

AT
VA
CNC

SUPERVISOR BEK
DATE 2/16/06

SAMPLE TYPE: SOIL

ANALYTICAL RESULTS

ENTERED BY _____
DATE _____

CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg	CAS#	Volatile Organic Target Compound	PQL ug/Kg	RESULT ug/Kg
75-71-8	Dichlorodifluoromethane	30	U	630-20-6	1,1,1,2-Tetrachloroethane	7.4	U
74-87-3	Chloromethane	15	U	75-25-2	Bromoform	30	U
75-01-4	Vinyl Chloride	15	U	79-34-5	1,1,2,2-Tetrachloroethane	7.4	U
74-83-9	Bromomethane	15	U	96-18-4	1,2,3-Trichloropropane	7.4	U
75-00-3	Chloroethane	15	U	108-86-1	Bromobenzene	7.4	U
75-69-4	Trichlorofluoromethane	15	U	95-49-8	2-Chlorotoluene	7.4	U
75-35-4	1,1-Dichloroethene	7.4	U	106-43-4	4-Chlorotoluene	7.4	U
75-09-2	Methylene Chloride	300	U	541-73-1	1,3-Dichlorobenzene	7.4	U
156-60-5	trans-1,2-Dichloroethene	7.4	U	106-46-7	1,4-Dichlorobenzene	30	U
75-34-3	1,1-Dichloroethane	7.4	U	95-50-1	1,2-Dichlorobenzene	7.4	U
594-20-7	2,2-Dichloropropane	15	U	96-12-8	1,2-Dibromo-3-Chloropropane	150	U
156-59-4	cis-1,2-Dichloroethene	7.4	U	120-82-1	1,2,4-Trichlorobenzene	15	U
67-66-3	Chloroform	7.4	U	87-68-3	Hexachlorobutadiene	15	U
74-97-5	Bromochloromethane	7.4	U	87-61-6	1,2,3-Trichlorobenzene	30	U
71-55-6	1,1,1-Trichloroethane	7.4	U	1634-04-4	Methyl-tert-butyl ether	7.4	U
563-58-6	1,1-Dichloropropene	7.4	U	71-43-2	Benzene	7.4	U
56-23-5	Carbon Tetrachloride	7.4	U	108-88-3	Toluene	7.4	U
107-06-2	1,2-Dichloroethane	7.4	U	100-41-4	Ethyl benzene	7.4	U
79-01-6	Trichloroethene	7.4	U	108-38-3	m,p-Xylenes	15	U
78-87-5	1,2-Dichloropropane	7.4	U	95-47-6	o-Xylene	7.4	U
75-27-4	Bromodichloromethane	7.4	U	100-42-5	Styrene	7.4	U
74-95-3	Dibromomethane	30	U	98-82-8	Isopropylbenzene	7.4	U
10061-01-5	cis-1,3-Dichloropropene	7.4	U	103-65-1	n-Propylbenzene	7.4	U
10061-02-6	trans-1,3-Dichloropropene	7.4	U	108-67-8	1,3,5-Trimethylbenzene	7.4	U
79-00-5	1,1,2-Trichloroethane	7.4	U	98-06-6	tert-Butylbenzene	7.4	U
127-18-4	Tetrachloroethene	7.4	U	95-63-6	1,2,4-Trimethylbenzene	7.4	U
142-28-9	1,3-Dichloropropane	15	U	135-98-8	sec-Butylbenzene	7.4	U
124-48-1	Dibromochloromethane	7.4	U	99-87-6	p-isopropyltoluene	7.4	U
106-93-4	1,2-Dibromoethane	7.4	U	104-51-8	n-Butylbenzene	7.4	U
108-90-7	Chlorobenzene	7.4	U	91-20-3	Naphthalene	15	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- P Elevated PQL due to matrix interference and/or sample dilution

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/Kg 0.20	mg/Kg X
--	---------------	------------

Other purgeables detected (up to 10 highest peaks)	Detected ug/Kg
1R- alpha.-Pinene	110 NI, P
beta -Pinene	55 NI, P
_____	_____
_____	_____

COMMENTS

DIVISION OF WATER QUALITY
Chemistry Laboratory Report / Ground Water Quality

COUNTY WAKE
 QUAD NO _____
 REPORT TO RRO Regional Office
 COLLECTOR(S) J ROUSH
 DATE 3/31/2006
 TIME _____
 PURPOSE BASELINE

SAMPLE PRIORITY
 ROUTINE EMERGENCY
 CHAIN OF CUSTODY
 SAMPLE TYPE

6

Owner DON ALBRIGHT 7303 STONY HILL - TRIP BLANK
 Location or Site: _____
 Description of sampling point: _____
 Sampling Method: _____
 Remarks: _____

Lab Number : **AB02671**
 Date Received : **3/31/2006**
 Time Received : **1:35 PM**
 Received By : **HMW**
 Released By : **SMM**
 Date reported : **4/6/2006**

Handwritten signature and date: JRC 4/6/06

LABORATORY ANALYSIS

BOD 310	mg/L	Diss Solids 70300	mg/L	Ag-Silver 46566	ug/L	Organochlorine Pesticides
COD High 340	mg/L	Fluoride 951	mg/L	Al-Aluminum 46557	ug/L	Organophosphorus Pesticides
COD Low 335	mg/L	Hardness total 900	mg/L	As-Arsenic 46551	ug/L	Nitrogen Pesticides
Coliform MF Fecal 31616	/100ml	Hardness (non-carb) 902	mg/L	Ba-Barium 46558	ug/L	
Coliform: MF Total 31504	/100ml	Phenols 32730	ug/L	Ca-Calcium 46552	mg/L	Acid Herbicides
TOC	mg/l	Specific Cond 95	umhos/cm2	Cd-Cadmium 46559	ug/L	
Turbidity	NTU	Sulfate	mg/L	Cr-Chromium 46560	ug/L	Semivolatiles
Restdue., Suspended 530	mg/L	Sulfide 745	mg/L	Cu- Copper 1042	ug/L	TPH-Diesel Range
Total Suspended solids	mg/L	MBAS	mg/L	Fe- Iron 1045	ug/L	
		Oil and Grease	mg/L	Hg- Mercury 71900	ug/L	X Volatile Organics (VOA bottle)
pH	units	Silica	mg/L	K-Potassium 46555	mg/L	
Alkalinity to pH 4.5	mg/L	Boron		Mg- Magnesium 927	mg/L	TPH-Gasoline Range
Alkalinity to pH 8.3	mg/L	Formaldehyde	mg/L	Mn-Manganese 1055	ug/L	TPH-BTEX Gasoline Range
Carbonate	mg/L	NH3 as N 610	mg/L	Na- Sodium 929	mg/L	
Bicarbonate	mg/L	TKN as N 625	mg/L	Ni-Nickel	ug/L	
Carbon dioxide	mg/L	NO2 +NO3 as n 630	mg/L	Pb-Lead 46564	ug/L	
Chloride	mg/L	P Total as P 665	mg/L	Se-Selenium	ug/L	
Chromium Hex 1032	ug/L	PO4	mg/L	Zn-Zinc 46567	ug/L	
Color True 80	c u	Nitrate (NO ₃ as N) 620	mg/L			
Cyanide 720	mg/L	Nitrite (NO ₂ as N) 615	mg/L			

COMMENTS : _____

GROUNDWATER FIELD/LAB FORM

Department of Environment and Natural Resources
DIVISION OF WATER QUALITY - GROUNDWATER SECTION

AB02671

County WAKE
 Quad No _____ Serial No. _____
 Lat. _____ Long. _____

SAMPLE TYPE		SAMPLE PRIORITY	
<input checked="" type="checkbox"/> Water	<input type="checkbox"/> Soil	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Emergency
<input type="checkbox"/> Other _____			
<input type="checkbox"/> Chain of Custody			

6

Lab Number 660586
 Date Received 060331 Time 1335
 Rec'd by: HML From: Bus, Courier, Hand Del.
 Other: _____
 Data Entry By: _____ Ck: _____
 Date Reported: _____

Report To: ARO, FRO, MRO, RRO, WaRO, WiRO,
 WSRO, Kinston FO, Fed. Trust, Central Off., Other: _____
 Shipped by: Bus, Courier, Hand Del., Other: _____

Collector(s): JIM ROUSH Date 3/31/06 Time 1335 Purpose: Baseline (circle one) Complaint, Compliance, LUST, Pesticide Study, Federal Trust, Other: _____

FIELD ANALYSES

pH₄₀₀ _____ Spec. Cond.₉₄ _____ at 25° C
 Temp.₁₀ _____ °C Odor _____
 Appearance _____
 Field Analysis By: _____

Owner DON ALBRIGHT
 Location or site 7303 STONY HILL
 Description of sampling point TRIP BLANK
 Sampling Method _____ Sample Interval _____
 Remarks _____
(pumping time, air temp. etc.)

LABORATORY ANALYSES

BOD ₅ 310 mg/l	Diss. Solids 70300 mg/l	Aq - Silver 46566 ug/l	Organochlorine Pesticides
COD High 340 mg/l	Flouride 951 mg/l	Al - Aluminum 46557 ug/l	Organophosphorus Pesticides
COD Low 335 mg/l	Hardness: Total 900 mg/l	As - Arsenic 46551 ug/l	Nitrogen Pesticides
Coliform: MF Fecal 31616 /100ml	Hardness (non-carb) 902 mg/l	Ba - Barium 46558 ug/l	Acid Herbicides
Coliform: MF Total 31504 /100ml	Phenols 32730 ug/l	Ca - Calcium 46552 mg/l	PCB's
TOC 680 mg/l	Specific Cond. 95 uMhos/cm ²	Cd - Cadmium 46559 ug/l	
Turbidity 76 NTU	Sulfate 945 mg/l	Cr - Chromium 46560 ug/l	
Residue., Suspended 530 mg/l	Sulfide 745 mg/l	Cu - Copper 46562 ug/l	
		Fe - Iron 46563 ug/l	Semivolatile Organics
	Oil and Grease mg/l	Hg - Mercury 71900 ug/l	TPH - Diesel Range
pH 403 units		K - Potassium 46555 mg/l	
Alkalinity to pH 4.5 410 mg/l		Mg - Magnesium 46554 mg/l	
Alkalinity to pH 8.3 415 mg/l		Mn - Manganese 46565 ug/l	
Carbonate 445 mg/l	NH ₃ as N 610 mg/l	Na - Sodium 46556 mg/l	<input checked="" type="checkbox"/> Volatile Organics (VOA bottle)
Bicarbonate 440 mg/l	TKN as N 625 mg/l	Ni - Nickel ug/l	TPH - Gasoline Range
Carbon dioxide 405 mg/l	NO ₂ + NO ₃ as N 630 mg/l	Pb - Lead 46564 ug/l	TPH - BTEX Gasoline Range
Chloride 940 mg/l	P: Total as P 665 mg/l	Se - Selenium ug/l	
Chromium: Hex 1032 ug/l		Zn - Zinc 46567 ug/l	
Color: True 80 CU			
Cyanide 720 mg/l			

Lab Comments: TRIP BLANK Temp 0.3°C

NC Division of Water Quality Laboratory Section Results

Loc. Descr.: TRIP BLANK	
Location ID: RROAPTB	Sample ID: AB02671
County: WAKE	PO Number #: 6G0586
River Basin:	VisitID:
Report To: RROAP	Date Received: 03/31/2006
Region: RRO	Time Received: 13:35
Collector: J ROUSH	Labworks LoginID: JWA
Sample Matrix: Groundwater	Date Reported: 04/06/2006
Loc. Type: TRIP BLANK	
Sample Depth:	
Collect Date: 03/31/2006	
Collect Time: 00:00	

JC
4/6/06

Analyte Name	PQL	Result	Qualifier	Units	Approved By
--------------	-----	--------	-----------	-------	-------------

LAB					
Sample temperature at receipt by lab		0.3		°C	JGOODWIN
VOL					
Dichlorodifluoromethane	1.0	Not detected		ug/L	RKELLING
Chloromethane	0.50	Not detected		ug/L	RKELLING
Vinyl Chloride	0.50	Not detected		ug/L	RKELLING
Bromomethane	0.50	Not detected		ug/L	RKELLING
Chloroethane	0.50	Not detected		ug/L	RKELLING
Trichlorofluoromethane	0.50	Not detected		ug/L	RKELLING
1,1-Dichloroethene	0.25	Not detected		ug/L	RKELLING
Methylene Chloride	10	Not detected		ug/L	RKELLING
trans-1,2-Dichloroethene	0.25	Not detected		ug/L	RKELLING
Methyl Tert-Butyl Ether	0.25	Not detected		ug/L	RKELLING
1,1-Dichloroethane	0.25	Not detected		ug/L	RKELLING
cis-1,2-Dichloroethene	0.25	Not detected		ug/L	RKELLING
Bromochloromethane	0.25	Not detected		ug/L	RKELLING
Chloroform	0.25	Not detected		ug/L	RKELLING
2,2-Dichloropropane	0.50	Not detected		ug/L	RKELLING
1,2-Dichloroethane	0.25	Not detected		ug/L	RKELLING
1,1,1-Trichloroethane	0.25	Not detected		ug/L	RKELLING
1,1-Dichloropropene	0.25	Not detected		ug/L	RKELLING
Carbon Tetrachloride	0.25	Not detected		ug/L	RKELLING
Benzene	0.25	Not detected		ug/L	RKELLING
Dibromomethane	1.0	Not detected		ug/L	RKELLING
1,2-Dichloropropane	0.25	Not detected		ug/L	RKELLING
Trichloroethene	0.25	Not detected		ug/L	RKELLING
Bromodichloromethane	0.25	Not detected		ug/L	RKELLING
cis-1,3-Dichloropropene	0.25	Not detected		ug/L	RKELLING
trans-1,3-Dichloropropene	0.25	Not detected		ug/L	RKELLING
1,1,2-Trichloroethane	0.25	Not detected		ug/L	RKELLING
Toluene	0.25	0.23	N3	ug/L	RKELLING
1,3-Dichloropropane	0.50	Not detected		ug/L	RKELLING
Dibromochloromethane	0.25	Not detected		ug/L	RKELLING
(EDB)1,2-Dibromoethane	0.25	Not detected		ug/L	RKELLING
Tetrachloroethene	0.25	Not detected		ug/L	RKELLING
Chlorobenzene	0.25	Not detected		ug/L	RKELLING
Ethylbenzene	0.25	Not detected		ug/L	RKELLING
Bromoform	1.0	Not detected		ug/L	RKELLING
m,p-Xylene	0.50	Not detected		ug/L	RKELLING
Styrene	0.25	Not detected		ug/L	RKELLING
1,1,2,2-Tetrachloroethane	0.25	Not detected		ug/L	RKELLING
1,1,1,2-Tetrachloroethane	0.25	Not detected		ug/L	RKELLING
o-Xylene	0.25	Not detected		ug/L	RKELLING
1,2,3-Trichloropropane	0.25	Not detected		ug/L	RKELLING
Isopropylbenzene	0.25	Not detected		ug/L	RKELLING

NC Division of Water Quality Laboratory Section Results

Loc. Descr.:	TRIP BLANK		
Location ID:	RROAPT8	Sample ID:	AB02671
County:	WAKE	PO Number #	6G0586
River Basin		VisitID	
Report To	RROAP	Date Received:	03/31/2006
Region:	RRO	Time Received:	13:35
Collector:	J ROUSH	Labworks LoginID	JWA
Sample Matrix:	Groundwater	Date Reported:	04/06/2006
Loc. Type:	TRIP BLANK		
Sample Depth			
Collect Date:	03/31/2006		
Collect Time::	00:00		

Analyte Name	PQL	Result	Qualifier	Units	Approved By
VOL					
Bromobenzene	0.25	Not detected		ug/L	RKELLING
n-Propylbenzene	0.25	Not detected		ug/L	RKELLING
2-Chlorotoluene	0.25	Not detected		ug/L	RKELLING
4-Chlorotoluene	0.25	Not detected		ug/L	RKELLING
1,3,5-Trimethylbenzene	0.25	Not detected		ug/L	RKELLING
tert-Butylbenzene	0.25	Not detected		ug/L	RKELLING
1,2,4-Trimethylbenzene	0.25	Not detected		ug/L	RKELLING
sec-Butylbenzene	0.25	Not detected		ug/L	RKELLING
m-Dichlorobenzene (1,3)	0.25	Not detected		ug/L	RKELLING
p-Dichlorobenzene (1,4)	1.0	Not detected		ug/L	RKELLING
o-Dichlorobenzene (1,2)	0.25	Not detected		ug/L	RKELLING
p-Isopropyltoluene	0.25	Not detected		ug/L	RKELLING
n-Butylbenzene	0.25	Not detected		ug/L	RKELLING
1,2-Dibromo-3-Chloropropane	5.0	Not detected		ug/L	RKELLING
1,2,4-Trichlorobenzene	0.50	Not detected		ug/L	RKELLING
Naphthalene	0.50	Not detected		ug/L	RKELLING
Hexachlorobutadiene	0.50	Not detected		ug/L	RKELLING
1,2,3-Trichlorobenzene	1.0	Not detected		ug/L	RKELLING

ENR/DWQ LABORATORY
VOLATILE ANALYTICAL REPORT

LAB NO. AB02671

REPORTED BY
CHECKED BY
REVIEWED BY

AT
VA
ABC

SUPERVISOR
DATE

REK
4/6/06

SAMPLE TYPE WATER

ANALYTICAL RESULTS

ENTERED BY
DATE

CAS#	Volatle Organic Target Compound	PQL ug/L	RESULT ug/L	CAS#	Volatle Organic Target Compound	PQL ug/L	RESULT ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	630-20-6	1,1,1,2-Tetrachloroethane	0.25	U
74-87-3	Chloromethane	0.50	U	75-25-2	Bromoforn	1.0	U
75-01-4	Vinyl Chloride	0.50	U	79-34-5	1,1,2,2-Tetrachloroethane	0.25	U
74-83-9	Bromomethane	0.50	U	96-18-4	1,2,3-Trichloropropane	0.25	U
75-00-3	Chloroethane	0.50	U	108-86-1	Bromobenzene	0.25	U
75-69-4	Trichlorofluoromethane	0.50	U	95-49-8	2-Chlorotoluene	0.25	U
75-35-4	1,1-Dichloroethene	0.25	U	106-43-4	4-Chlorotoluene	0.25	U
75-09-2	Methylene Chloride	10	U	541-73-1	1,3-Dichlorobenzene	0.25	U
156-60-5	trans-1,2-Dichloroethene	0.25	U	106-46-7	1,4-Dichlorobenzene	1.0	U
75-34-3	1,1-Dichloroethane	0.25	U	95-50-1	1,2-Dichlorobenzene	0.25	U
594-20-7	2,2-Dichloropropane	0.50	U	96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
156-59-4	cis-1,2-Dichloroethene	0.25	U	120-82-1	1,2,4-Trichlorobenzene	0.50	U
67-66-3	Chloroform	0.25	U	87-68-3	Hexachlorobutadiene	0.50	U
74-97-5	Bromochloromethane	0.25	U	87-61-6	1,2,3-Trichlorobenzene	1.0	U
71-55-6	1,1,1-Trichloroethane	0.25	U	1634-04-4	Methyl-tert-butyl ether	0.25	U
563-58-6	1,1-Dichloropropene	0.25	U	71-43-2	Benzene	0.25	U
56-23-5	Carbon Tetrachloride	0.25	U	108-88-3	Toluene	0.25	0.23 N3
107-06-2	1,2-Dichloroethane	0.25	U	100-41-4	Ethyl benzene	0.25	U
79-01-6	Trichloroethene	0.25	U	108-38-3	m,p-Xylenes	0.50	U
78-87-5	1,2-Dichloropropane	0.25	U	95-47-6	o-Xylene	0.25	U
75-27-4	Bromodichloromethane	0.25	U	100-42-5	Styrene	0.25	U
74-95-3	Dibromomethane	1.0	U	98-82-8	Isopropylbenzene	0.25	U
10061-01-5	cis-1,3-Dichloropropene	0.25	U	103-65-1	n-Propylbenzene	0.25	U
10061-02-6	trans-1,3-Dichloropropene	0.25	U	108-67-8	1,3,5-Trimethylbenzene	0.25	U
79-00-5	1,1,2-Trichloroethane	0.25	U	98-06-6	tert-Butylbenzene	0.25	U
127-18-4	Tetrachloroethene	0.25	U	95-63-6	1,2,4-Trimethylbenzene	0.25	U
142-28-9	1,3-Dichloropropane	0.50	U	135-98-8	sec-Butylbenzene	0.25	U
124-48-1	Dibromochloromethane	0.25	U	99-87-6	p-isopropyltoluene	0.25	U
106-93-4	1,2-Dibromoethane	0.25	U	104-51-8	n-Butylbenzene	0.25	U
108-90-7	Chlorobenzene	0.25	U	91-20-3	Naphthalene	0.50	U

- PQL Practical Quantitation Limit- Subject to change due to instrument sensitivity
- N- Tentatively Identified, not confirmed
- J- Estimated Value
- U- Samples analyzed for this compound but not detected
- X- Sample not analyzed for this compound
- N3- Estimated concentration is <PQL and >MDL
- P Elevated PQL due to matrix interference and/or sample dilution

Gasoline Range Estimated Total Petroleum Hydrocarbon	mg/L	mg/L
	0.20	X

Other purgeables detected (up to 10 highest peaks)	Detected ug/L

COMMENTS Improper container was used for sample collection Laboratory analysis was from unpreserved sample, therefore data may not be accurate

REFERENCE 7

Agra Environmental

June 12, 2006

P.O. BOX 5611
CARY, NC 27512
TEL: (919) 858-5350
FAX: (919) 858-5351

Mr. Don Albright
7303 Stony Hill Road
Wake Forest, NC 27587

Re: Soil and Groundwater Results
Don Albright Property
7303 Stony Hill Road
Wake Forest, Wake County, NC
NC Incident # 87528

JUL 28 2006

Dear Mr. Albright:

This letter summarizes the environmental investigation activities conducted at the above referenced location. This investigation was conducted as a result of previous sampling events conducted by the NC DENR, Division of Water Quality (DWQ) staff with regards to groundwater contamination noted in local water supply wells. The investigation conducted by DWQ indicated that soil near a discharge pipe (connected to a sink inside a small building) has been contaminated with tetrachloroethene (up to 32 parts per billion). As a result of the investigation activities, on April 18, 2006, a Notice of Required Corrective Action was issued for the site.

Agra Environmental, Inc (Agra), was retained on May 15, 2006 by the property owner to conduct additional environmental investigation at the subject site. For the purpose of this investigation, Agra conducted four (4) soil borings using direct push technology, and installed one (1) groundwater monitoring well. The sample locations are shown in Figure 1.

The soil borings and monitoring well were installed by Ransier Environmental Drilling, Inc., of Pinehurst, NC on May 22, 2006. The soil borings were conducted using direct push technology. Samples were collected at depths of approximately 7-10 feet below ground level using disposable polyethylene sample tubes. The samples were placed in the appropriate containers and placed on ice awaiting transportation to the laboratory analysis. Environmental Conservation Laboratories, Inc., of Cary, NC performed the analysis using EPA Method 8260.

The monitoring well was completed using an air hammer drill due to the presence of fractured rocks at approximately 15 feet below the ground level. The well was installed to a depth of approximately 40 feet. A groundwater sample was collected on May 30, 2006

and shipped to Analytics Corporation, Richmond, VA for analysis using EPA Method 6210D.

ANALYTICAL RESULTS

The results of the soil analysis revealed the presence of Tetrachloroethene and Trichloroethene in all samples. Additional compounds including 1,1,1-Trichloroethane, Trichlorofluoromethane, Ethylbenzene, Toluene, and Xylenes were also detected in one or more of the soil samples. Tetrachloroethene was detected at levels exceeding the soil to groundwater MSCC (maximum soil contamination concentration) of 0.0074 parts per million in samples B2, B4, and MW 1 (00.79, 0.0102, and 0.0136 ppm, respectively). Table 1 summarizes the results of the soil analysis.

The groundwater sample revealed the presence of Tetrachloroethene, Trichloroethene, 1,1,1-Trichloroethane and 1,1-Dichloroethene. As noted in Table 2, Tetrachloroethene (17.5 parts per billion) and Trichloroethene (49.7 ppb) were detected at levels greater than the 15A NCAC 2L groundwater standards of 7 ppb and 2.8 ppb, respectively. Neither 1,1,1-Trichloroethane nor 1,1-Dichloroethene was detected at levels exceeding the 2L standards.

Copies of the laboratory analysis for the soil and groundwater are enclosed.

If you have any questions, or require additional information, please call me at (919) 858-5350, Ext. 101.

Sincerely,

Raj B. Shah

Raj B. Shah, P.E.
Technical Director

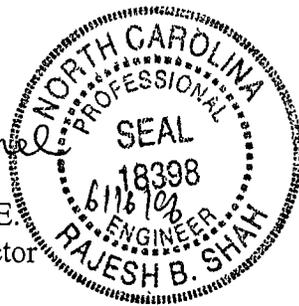


Table 1
Summary of Soil Sampling Results (mg/kg)

Date: 6/9/06

Incident Number and Name: Don Albright Property Incident# 87528

Facility ID=

Analytical Method (e.g., VOC by EPA 8260) →			8260	8260	8260	8260	8260	8260						
Sample ID	Contaminant of Concern →		Tetrachloroethene	Trichloroethene	1,1,1-Trichloroethane	Trichlorofluoromethane	Toluene	Ethylbenzene	Xylenes					
	Date Collected (mm/dd/yyyy)	Sample Depth (ft. BGS)												
B1	5/22/06	7-10'	0.001	0.002	BDL	BDL	BDL	BDL	BDL					
B2	5/22/06	7-10'	0.0079	0.0096	0.0012	0.0010	BDL	BDL	BDL					
B3	5/22/06	7-10'	0.0024	0.0027	BDL	BDL	BDL	BDL	BDL					
B4	5/22/06	7-10'	0.0102	0.0041	0.0017	BDL	BDL	BDL	BDL					
MW 1	5/22/06	7-10'	0.0136	0.0092	0.0017	BDL	0.0028	0.0012	0.0037					
Soil to groundwater MSCC (mg/kg)			0.0074	0.0183	NS	NS	7	0.24	5					
Residential MSCC (mg/kg)			12	58	NS	NS	3200	1560	32000					
Industrial/Commercial MSCC (mg/kg)			110	520	NS	NS	82000	40000	200000					

- Indicate method detection limit for contaminants when analyzed, but not detected (e.g., < 1, 10, 42)
- List any contaminant detected above the method detection limit
- MSCC = maximum soil contamination concentration
- ft. BGS = feet below ground surface
- Results must be reported in mg/kg.
- mg/kg = milligrams per kilogram
- Results in **BOLD** exceed soil to groundwater standard

Table 2

Summary of Groundwater Sampling Results (ug/L)

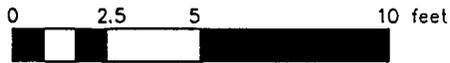
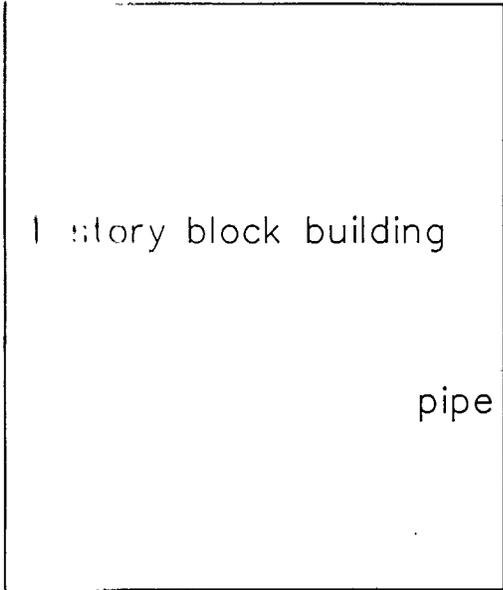
Date: 6/9/06

Incident Number and Name: Don Albright Property Incident# 87528

Facility ID#:

Analytical Method (e.g., VOC by EPA 601) →			6210D	6210D	6210D	6210D							
Contaminant of Concern →													
Well ID	Sample ID	Date Collected (m/d/y)	Tetrachloroethene	1,1,1-Trichloroethane	1,1-Dichloroethene	Trichloroethane							
MW 1	MW 1	5/30/06	17.5	7.49	0.740	49.7							
2L Standard (ng/l)			0.7	200	7	2.8							
GCL (ng/l)			700	-	7000	-							

- Indicate method detection limit for contaminants when analyzed, but not detected (e.g., < 1, 10, 42)
- List any contaminant detected above the method detection limit
- Results must be reported in ug/l
- ug/L = micrograms per liter
- GCL = gross contamination level
- Results in **BOLD** exceed 2L standard



Map with soil sample location
 on Albright Property
 103 Stony Hill Road
 Lake Forest, NC 27587

Agra Environmental, Inc.
 P.O. Box 5611 Cary, NC 27512

Map No:	Scale:	Drawn By:	Checked By:	Date:	Project No:
1	1" = 5'	LC	RS	6/9/06	

Environmental Conservation Laboratories, Inc.

100-A Woodwinds Industrial Court

Gary NC, 27811

Phone: 919.467.3000 FAX: 919.467.3515



www.encolabs.com

Thursday, June 1, 2006

Account Pending (AC001)

ATTN: Account Pending

RE: Project Number: Agra-Albright Property, Project Name/Desc: UST-Generic
ENCO Workorder: C601595

Dear Account Pending,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, May 24, 2006.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Chuck Smith'.

Chuck Smith

Project Manager

Enclosure(s)



www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: H 1 7-10

Lab ID: C601595-01

Sampled: 05/22/06 11:35

Received: 05/24/06 10:29

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
HPA H260H	06/05/06	05/30/06 07:55	5/30/2006 10:03

Client ID: H 2 7 10

Lab ID: C601595-02

Sampled: 05/22/06 11:45

Received: 05/24/06 10:29

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
HPA H260H	06/05/06	05/30/06 07:55	5/30/2006 10:29

Client ID: H 3 7 10

Lab ID: C601595-03

Sampled: 05/22/06 11:55

Received: 05/24/06 10:29

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
HPA H260H	06/05/06	05/30/06 07:55	5/30/2006 10:56

Client ID: H 4 7-10

Lab ID: C601595-04

Sampled: 05/22/06 12:10

Received: 05/24/06 10:29

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
HPA H260H	06/05/06	05/30/06 07:55	5/30/2006 11:24

Client ID: MW-1 7-10

Lab ID: C601595-05

Sampled: 05/22/06 10:40

Received: 05/24/06 10:29

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
HPA H260H	06/05/06	05/30/06 07:55	5/30/2006 11:50



www.encolabs.com

SAMPLE DETECTION SUMMARY

Client ID:	Lab ID:	Results/Qual	MRL	Units	Method
B-1 7-10	C601595-01				
Analyte					
Tetrachloroethene		0.0010 J	0.0011	mg/kg dry	EPA 8260B
Trichloroethene		0.0020	0.0011	mg/kg dry	EPA 8260B
Client ID:	Lab ID:				
B-2 7-10	C601595-02				
Analyte					
1,1,1-Trichloroethane		0.0012	0.0012	mg/kg dry	EPA 8260B
Tetrachloroethene		0.0079	0.0012	mg/kg dry	EPA 8260B
Trichloroethene		0.0096	0.0012	mg/kg dry	EPA 8260B
Trichlorofluoromethane		0.0010 J	0.0012	mg/kg dry	EPA 8260B
Client ID:	Lab ID:				
B-3 7-10	C601595-03				
Analyte					
Tetrachloroethene		0.0024	0.0012	mg/kg dry	EPA 8260B
Trichloroethene		0.0027	0.0012	mg/kg dry	EPA 8260B
Client ID:	Lab ID:				
B-4 7-10	C601595-04				
Analyte					
1,1,1-Trichloroethane		0.0017	0.0011	mg/kg dry	EPA 8260B
Tetrachloroethene		0.0102	0.0011	mg/kg dry	EPA 8260B
Trichloroethene		0.0041	0.0011	mg/kg dry	EPA 8260B
Client ID:	Lab ID:				
MW-1 7-10	C601595-05				
Analyte					
1,1,1-Trichloroethane		0.0017 D	0.0010	mg/kg dry	EPA 8260B
Ethylbenzene		0.0012 D	0.0010	mg/kg dry	EPA 8260B
m,p-Xylenes		0.0037 D	0.0019	mg/kg dry	EPA 8260B
Tetrachloroethene		0.0136 D	0.0010	mg/kg dry	EPA 8260B
Toluene		0.0028 D	0.0010	mg/kg dry	EPA 8260B
Trichloroethene		0.0092 D	0.0010	mg/kg dry	EPA 8260B



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ANALYTICAL REPORT

Sample ID: B-1 7-10
Lab #: C601595-01
Prep Method: EPA 5035_MS
Analyzed: 05/30/06 By: spf
Anal Method: EPA 8260B
Anal Batch:
Q# Batch: 6E30001

Project: UST-Generic
Work Order #: C601595
Matrix: Soil
Unit: mg/kg dry
Dilution Factor: 0.95
Percent Solids: 87.90

Volatle Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.0008 U	0.0008	0.0011	mg/kg dry
1,1,1-Trichloroethane	71-55-6	0.0009 U	0.0009	0.0011	mg/kg dry
1,1,2,2-Tetrachloroethane	79-34-5	0.0010 U	0.0010	0.0011	mg/kg dry
1,1,2-Trichloroethane	79-00-5	0.0006 U	0.0006	0.0011	mg/kg dry
1,1-Dichloroethane	75-34-3	0.0010 U	0.0010	0.0011	mg/kg dry
1,1-Dichloroethene	75-35-4	0.0009 U	0.0009	0.0011	mg/kg dry
1,1-Dichloropropene	563-58-6	0.0008 U	0.0008	0.0011	mg/kg dry
1,2,3-Trichlorobenzene	87-61-6	0.0010 U	0.0010	0.0011	mg/kg dry
1,2,3-Trichloropropane	96-18-4	0.0005 U	0.0005	0.0011	mg/kg dry
1,2,4-Trichlorobenzene	120-82-1	0.0010 U	0.0010	0.0011	mg/kg dry
1,2,4-Trimethylbenzene	95-63-6	0.0010 U	0.0010	0.0011	mg/kg dry
1,2-Dibromo-3-chloropropane	96-12-8	0.0009 U	0.0009	0.0011	mg/kg dry
1,2-Dibromoethane	106-93-4	0.0010 U	0.0010	0.0011	mg/kg dry
1,2-Dichlorobenzene	95-50-1	0.0009 U	0.0009	0.0011	mg/kg dry
1,2-Dichloroethane	107-06-2	0.0009 U	0.0009	0.0011	mg/kg dry
1,2-Dichloropropane	78-87-5	0.0009 U	0.0009	0.0011	mg/kg dry
1,3,5-Trimethylbenzene	108-67-8	0.0008 U	0.0008	0.0011	mg/kg dry
1,3-Dichlorobenzene	541-73-1	0.0008 U	0.0008	0.0011	mg/kg dry
1,3-Dichloropropane	142-28-9	0.0010 U	0.0010	0.0011	mg/kg dry
1,4-Dichlorobenzene	106-46-7	0.0009 U	0.0009	0.0011	mg/kg dry
1,4-Dichloropropane	590-20-7	0.0010 U	0.0010	0.0011	mg/kg dry
1-Butanone	78-93-3	0.0016 U	0.0016	0.0054	mg/kg dry
1-Chloroethyl Vinyl Ether	110-75-8	0.0029 U	0.0029	0.0054	mg/kg dry
1-Chlorotoluene	95-49-8	0.0010 U	0.0010	0.0011	mg/kg dry
1-Hexanone	591-78-6	0.0025 U	0.0025	0.0054	mg/kg dry
1-Chlorotoluene	106-43-4	0.0009 U	0.0009	0.0011	mg/kg dry
1-Isopropyltoluene	99-87-6	0.0008 U	0.0008	0.0011	mg/kg dry
1-Methyl-2-pentanone	108-10-1	0.0026 U	0.0026	0.0054	mg/kg dry
Acetone	67-64-1	0.0031 U	0.0031	0.0054	mg/kg dry
Benzene	71-43-2	0.0010 U	0.0010	0.0011	mg/kg dry
Bromobenzene	108-86-1	0.0010 U	0.0010	0.0011	mg/kg dry
Bromochloromethane	74-97-5	0.0009 U	0.0009	0.0011	mg/kg dry
Bromodichloromethane	75-27-4	0.0009 U	0.0009	0.0011	mg/kg dry
Bromoform	75-25-2	0.0009 U	0.0009	0.0011	mg/kg dry
Bromomethane	74-83-9	0.0010 U	0.0010	0.0011	mg/kg dry
Carbon disulfide	75-15-0	0.0022 U	0.0022	0.0054	mg/kg dry



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ANALYTICAL REPORT

Sample ID: B-1 7-10
Lab # C601595-01
Prep Method EPA 5035_MS
Analyzed 05/30/06 By: spf
Anal Method EPA 8260B
Anal Hatch:
QC Hatch 6E30001

Project: UST-Generic
Work Order #: C601595
Matrix: Soil
Unit: mg/kg dry
Dilution Factor: 0.95
Percent Solids: 87.90

Volatle Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Carbon Tetrachloride	56-23-5	0.0009 U	0.0009	0.0011	mg/kg dry
Chlorobenzene	108-90-7	0.0010 U	0.0010	0.0011	mg/kg dry
Chloroethane	75-00-3	0.0005 U	0.0005	0.0011	mg/kg dry
Chloroform	67-66-3	0.0010 U	0.0010	0.0011	mg/kg dry
Chloromethane	74-87-3	0.0010 U	0.0010	0.0011	mg/kg dry
cis-1,2-Dichloroethene	156-59-2	0.0009 U	0.0009	0.0011	mg/kg dry
cis-1,1-Dichloropropene	10061-01-5	0.0010 U	0.0010	0.0011	mg/kg dry
Dibromochloromethane	124-48-1	0.0010 U	0.0010	0.0011	mg/kg dry
Dibromomethane	74-95-3	0.0010 U	0.0010	0.0011	mg/kg dry
Dichlorodifluoromethane	75-71-8	0.0006 U	0.0006	0.0011	mg/kg dry
Ethylbenzene	100-41-4	0.0010 U	0.0010	0.0011	mg/kg dry
Hexachlorobutadiene	87-68-3	0.0010 U	0.0010	0.0011	mg/kg dry
Isopropylbenzene	98-82-8	0.0010 U	0.0010	0.0011	mg/kg dry
m,p Xylenes	108-38-3/106-42-3	0.0019 U	0.0019	0.0022	mg/kg dry
Methylene Chloride	75-09-2	0.0010 U	0.0010	0.0011	mg/kg dry
Methyl-tert-Butyl Ether	1634-04-4	0.0010 U	0.0010	0.0011	mg/kg dry
Naphthalene	91-20-3	0.0008 U	0.0008	0.0011	mg/kg dry
n-Butyl Benzene	104-51-8	0.0010 U	0.0010	0.0011	mg/kg dry
n-Propyl Benzene	103-65-1	0.0009 U	0.0009	0.0011	mg/kg dry
n-Xylene	95-47-6	0.0009 U	0.0009	0.0011	mg/kg dry
o-Butylbenzene	135-98-8	0.0008 U	0.0008	0.0011	mg/kg dry
styrene	100-42-5	0.0010 U	0.0010	0.0011	mg/kg dry
tert-Butylbenzene	98-06-6	0.0006 U	0.0006	0.0011	mg/kg dry
Tetrachloroethene	127-18-4	0.0010 J	0.0008	0.0011	mg/kg dry
Toluene	108-88-3	0.0010 U	0.0010	0.0011	mg/kg dry
trans-1,2-Dichloroethene	156-60-5	0.0010 U	0.0010	0.0011	mg/kg dry
trans-1,3-Dichloropropene	10061-02-6	0.0009 U	0.0009	0.0011	mg/kg dry
Trichloroethene	79-01-6	0.0020	0.0009	0.0011	mg/kg dry
Trichlorofluoromethane	75-69-4	0.0009 U	0.0009	0.0011	mg/kg dry
Vinyl chloride	75-01-4	0.0010 U	0.0010	0.0011	mg/kg dry

Surrogate Recovery	Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	0.0624	0.0569	110 %	53-151
Dibromofluoromethane	0.0447	0.0569	79 %	56-130
Toluene-d8	0.0557	0.0569	98 %	67-126



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ANALYTICAL REPORT

Sample ID: B-2 7-10
Lab # C601595-02
Prep Method EPA 5035_MS
Analyzed 05/30/06 By spf
Anal Method EPA 8260B
Anal Batch
QC Batch: 6E30001

Project: UST-Generic
Work Order #: C601595
Matrix: Soil
Unit: mg/kg dry
Dilution Factor: 1
Percent Solids: 83.10

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.0008 U	0.0008	0.0012	mg/kg dry
1,1,1 Trichloroethane	71-55-6	0.0012	0.0010	0.0012	mg/kg dry
1,1,2,2-Tetrachloroethane	79-34-5	0.0011 U	0.0011	0.0012	mg/kg dry
1,1,2 Trichloroethane	79-00-5	0.0007 U	0.0007	0.0012	mg/kg dry
1,1 Dichloroethane	75-34-3	0.0011 U	0.0011	0.0012	mg/kg dry
1,1 Dichloroethene	75-35-4	0.0010 U	0.0010	0.0012	mg/kg dry
1,1 Dichloropropene	563-58-6	0.0008 U	0.0008	0.0012	mg/kg dry
1,2,1 Trichlorobenzene	87-61-6	0.0011 U	0.0011	0.0012	mg/kg dry
1,2,1 Trichloropropane	96-18-4	0.0006 U	0.0006	0.0012	mg/kg dry
1,2,4 Trichlorobenzene	120-82-1	0.0011 U	0.0011	0.0012	mg/kg dry
1,2,4-Trimethylbenzene	95-63-6	0.0011 U	0.0011	0.0012	mg/kg dry
1,2 Dibromo-3-chloropropane	96-12-8	0.0010 U	0.0010	0.0012	mg/kg dry
1,2 Dibromoethane	106-93-4	0.0011 U	0.0011	0.0012	mg/kg dry
1,2 Dichlorobenzene	95-50-1	0.0010 U	0.0010	0.0012	mg/kg dry
1,2 Dichloroethane	107-06-2	0.0010 U	0.0010	0.0012	mg/kg dry
1,2 Dichloropropane	78-87-5	0.0010 U	0.0010	0.0012	mg/kg dry
1,3,5-Trimethylbenzene	108-67-8	0.0008 U	0.0008	0.0012	mg/kg dry
1,3 Dichlorobenzene	541-73-1	0.0008 U	0.0008	0.0012	mg/kg dry
1,3 Dichloropropane	142-28-9	0.0011 U	0.0011	0.0012	mg/kg dry
1,4 Dichlorobenzene	106-46-7	0.0010 U	0.0010	0.0012	mg/kg dry
1,3 Dichloropropane	590-20-7	0.0011 U	0.0011	0.0012	mg/kg dry
2-Butanone	78-93-3	0.0018 U	0.0018	0.0060	mg/kg dry
2-Chloroethyl Vinyl Ether	110-75-8	0.0032 U	0.0032	0.0060	mg/kg dry
2-Chlorotoluene	95-49-8	0.0011 U	0.0011	0.0012	mg/kg dry
2-Hexanone	591-78-6	0.0028 U	0.0028	0.0060	mg/kg dry
4-Chlorotoluene	106-43-4	0.0010 U	0.0010	0.0012	mg/kg dry
4-Isopropyltoluene	99-87-6	0.0008 U	0.0008	0.0012	mg/kg dry
4-Methyl-2-pentanone	108-10-1	0.0029 U	0.0029	0.0060	mg/kg dry
Acetone	67-64-1	0.0035 U	0.0035	0.0060	mg/kg dry
Benzene	71-43-2	0.0011 U	0.0011	0.0012	mg/kg dry
Bromobenzene	108-86-1	0.0011 U	0.0011	0.0012	mg/kg dry
Bromochloromethane	74-97-5	0.0010 U	0.0010	0.0012	mg/kg dry
Bromodichloromethane	75-27-4	0.0010 U	0.0010	0.0012	mg/kg dry
Bromoform	75-25-2	0.0010 U	0.0010	0.0012	mg/kg dry
Bromomethane	74-83-9	0.0011 U	0.0011	0.0012	mg/kg dry
Carbon disulfide	75-15-0	0.0024 U	0.0024	0.0060	mg/kg dry



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ANALYTICAL REPORT

Sample ID: B-2 7-10
Lab #: C601595-02
Prep Method: EPA 5035_MS
Analyzed: 05/30/06 By: spf
Anal Method: EPA 8260B
Anal Batch: 6E30001

Project: UST-Generic
Work Order #: C601595
Matrix: Soil
Unit: mg/kg dry
Dilution Factor: 1
Percent Solids: 83.10

Volatle Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Carbon Tetrachloride	56-23-5	0.0010 U	0.0010	0.0012	mg/kg dry
Chlorobenzene	108-90-7	0.0011 U	0.0011	0.0012	mg/kg dry
Chloroethane	75-00-3	0.0006 U	0.0006	0.0012	mg/kg dry
Chloroform	67-66-3	0.0011 U	0.0011	0.0012	mg/kg dry
Chloromethane	74-87-3	0.0011 U	0.0011	0.0012	mg/kg dry
cis-1,2-Dichloroethene	156-59-2	0.0010 U	0.0010	0.0012	mg/kg dry
cis-1,4-Dichloropropene	10061-01-5	0.0011 U	0.0011	0.0012	mg/kg dry
Dibromochloromethane	124-48-1	0.0011 U	0.0011	0.0012	mg/kg dry
Dibromomethane	74-95-3	0.0011 U	0.0011	0.0012	mg/kg dry
Dibromodifluoromethane	75-71-8	0.0007 U	0.0007	0.0012	mg/kg dry
Ethylbenzene	100-41-4	0.0011 U	0.0011	0.0012	mg/kg dry
Hexachlorobutadiene	87-68-3	0.0011 U	0.0011	0.0012	mg/kg dry
Isopropylbenzene	98-82-8	0.0011 U	0.0011	0.0012	mg/kg dry
m,p-Xylenes	108-38-3/106-42-3	0.0022 U	0.0022	0.0024	mg/kg dry
Methylene Chloride	75-09-2	0.0011 U	0.0011	0.0012	mg/kg dry
Methyl-tert-Butyl Ether	1634-04-4	0.0011 U	0.0011	0.0012	mg/kg dry
Naphthalene	91-20-3	0.0008 U	0.0008	0.0012	mg/kg dry
n-Butyl Benzene	104-51-8	0.0011 U	0.0011	0.0012	mg/kg dry
n-Propyl Benzene	103-65-1	0.0010 U	0.0010	0.0012	mg/kg dry
n-Xylene	95-47-6	0.0010 U	0.0010	0.0012	mg/kg dry
sec-Butylbenzene	135-98-8	0.0008 U	0.0008	0.0012	mg/kg dry
Styrene	100-42-5	0.0011 U	0.0011	0.0012	mg/kg dry
tert-Butylbenzene	98-06-6	0.0007 U	0.0007	0.0012	mg/kg dry
Tetrachloroethene	127-18-4	0.0079	0.0008	0.0012	mg/kg dry
Toluene	108-88-3	0.0011 U	0.0011	0.0012	mg/kg dry
trans-1,2-Dichloroethene	156-60-5	0.0011 U	0.0011	0.0012	mg/kg dry
trans-1,4-Dichloropropene	10061-02-6	0.0010 U	0.0010	0.0012	mg/kg dry
Trichloroethene	79-01-6	0.0096	0.0010	0.0012	mg/kg dry
Trichlorofluoromethane	75-69-4	0.0010 J	0.0010	0.0012	mg/kg dry
Vinyl chloride	75-01-4	0.0011 U	0.0011	0.0012	mg/kg dry

Surrogate Recovery	Result	Spike Level	% Recovery	% Recovery Limits	
4-Bromofluorobenzene	460-00-4	0.0631	0.0602	105 %	53-151
Dibromofluoromethane	1868-53-7	0.0515	0.0602	86 %	56-130
Toluene-d8	2037-26-5	0.0554	0.0602	92 %	67-126



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ANALYTICAL REPORT

Sample ID: B-3 7-10
 Lab #: C601595-03
 Prep Method: EPA 5035_MS
 Analyzed: 05/30/06 By: spf
 Anal Method: EPA 8260B
 Anal Batch:
 QC Batch: 6E30001

Project: UST-Generic
 Work Order #: C601595
 Matrix: Soil
 Unit: mg/kg dry
 Dilution Factor: 1.03
 Percent Solids: 85.80

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1,2 Tetrachloroethane	630-20-6	0.0008 U	0.0008	0.0012	mg/kg dry
1,1,1 Trichloroethane	71-55-6	0.0010 U	0.0010	0.0012	mg/kg dry
1,1,2,2 Tetrachloroethane	79-34-5	0.0011 U	0.0011	0.0012	mg/kg dry
1,1,2 Trichloroethane	79-00-5	0.0007 U	0.0007	0.0012	mg/kg dry
1,1 Dichloroethane	75-34-3	0.0011 U	0.0011	0.0012	mg/kg dry
1,1 Dichloroethene	75-35-4	0.0010 U	0.0010	0.0012	mg/kg dry
1,1 Dichloropropene	563-58-6	0.0008 U	0.0008	0.0012	mg/kg dry
1,2,3 Trichlorobenzene	87-61-6	0.0011 U	0.0011	0.0012	mg/kg dry
1,2,3 Trichloropropane	96-18-4	0.0006 U	0.0006	0.0012	mg/kg dry
1,2,4 Trichlorobenzene	120-82-1	0.0011 U	0.0011	0.0012	mg/kg dry
1,2,4 Trimethylbenzene	95-63-6	0.0011 U	0.0011	0.0012	mg/kg dry
1,2 Dibromo-3-chloropropane	96-12-8	0.0010 U	0.0010	0.0012	mg/kg dry
1,2 Dibromoethane	106-93-4	0.0011 U	0.0011	0.0012	mg/kg dry
1,2 Dichlorobenzene	95-50-1	0.0010 U	0.0010	0.0012	mg/kg dry
1,2 Dichloroethane	107-06-2	0.0010 U	0.0010	0.0012	mg/kg dry
1,2 Dichloropropane	78-87-5	0.0010 U	0.0010	0.0012	mg/kg dry
1,3,4 Trimethylbenzene	108-67-8	0.0008 U	0.0008	0.0012	mg/kg dry
1,3 Dichlorobenzene	541-73-1	0.0008 U	0.0008	0.0012	mg/kg dry
1,3 Dichloropropane	142-28-9	0.0011 U	0.0011	0.0012	mg/kg dry
1,4 Dichlorobenzene	106-46-7	0.0010 U	0.0010	0.0012	mg/kg dry
1,3 Dichloropropane	590-20-7	0.0011 U	0.0011	0.0012	mg/kg dry
1 Butanone	78-93-3	0.0018 U	0.0018	0.0060	mg/kg dry
1 Chloroethyl Vinyl Ether	110-75-8	0.0032 U	0.0032	0.0060	mg/kg dry
1 Chlorotoluene	95-49-8	0.0011 U	0.0011	0.0012	mg/kg dry
1 Hexanone	591-78-6	0.0028 U	0.0028	0.0060	mg/kg dry
1 Chlorotoluene	106-43-4	0.0010 U	0.0010	0.0012	mg/kg dry
1 Isopropyltoluene	99-87-6	0.0008 U	0.0008	0.0012	mg/kg dry
1 Methyl-2-pentanone	108-10-1	0.0029 U	0.0029	0.0060	mg/kg dry
Acetone	67-64-1	0.0035 U	0.0035	0.0060	mg/kg dry
Benzene	71-43-2	0.0011 U	0.0011	0.0012	mg/kg dry
Bromobenzene	108-86-1	0.0011 U	0.0011	0.0012	mg/kg dry
Bromochloromethane	74-97-5	0.0010 U	0.0010	0.0012	mg/kg dry
Bromodichloromethane	75-27-4	0.0010 U	0.0010	0.0012	mg/kg dry
Bromoform	75-25-2	0.0010 U	0.0010	0.0012	mg/kg dry
Bromomethane	74-83-9	0.0011 U	0.0011	0.0012	mg/kg dry
Carbon disulfide	75-15-0	0.0024 U	0.0024	0.0060	mg/kg dry



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ANALYTICAL REPORT

Sample ID: B-3 7-10
 Lab #: C601595-03
 Prep Method: EPA 5035_MS
 Analyzed: 05/30/06 By: spf
 Anal Method: EPA 8260B
 Anal Batch:
 Q# Batch: 6E30001

Project: UST-Generic
 Work Order #: C601595
 Matrix: Soil
 Unit: mg/kg dry
 Dilution Factor: 1.03
 Percent Solids: 85.80

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Carbon Tetrachloride	56-23-5	0.0010 U	0.0010	0.0012	mg/kg dry
Chlorobenzene	108-90-7	0.0011 U	0.0011	0.0012	mg/kg dry
Chloroethane	75-00-3	0.0006 U	0.0006	0.0012	mg/kg dry
Chloroform	67-66-3	0.0011 U	0.0011	0.0012	mg/kg dry
Chloromethane	74-87-3	0.0011 U	0.0011	0.0012	mg/kg dry
cis-1,2-Dichloroethene	156-59-2	0.0010 U	0.0010	0.0012	mg/kg dry
cis-1,3-Dichloropropene	10061-01-5	0.0011 U	0.0011	0.0012	mg/kg dry
Dibromochloromethane	124-48-1	0.0011 U	0.0011	0.0012	mg/kg dry
Dibromomethane	74-95-3	0.0011 U	0.0011	0.0012	mg/kg dry
Dichlorodifluoromethane	75-71-8	0.0007 U	0.0007	0.0012	mg/kg dry
Ethylbenzene	100-41-4	0.0011 U	0.0011	0.0012	mg/kg dry
Heachlorobutadiene	87-68-3	0.0011 U	0.0011	0.0012	mg/kg dry
Isopropylbenzene	98-82-8	0.0011 U	0.0011	0.0012	mg/kg dry
m,p Xylenes	108-38-3/106-42-3	0.0022 U	0.0022	0.0024	mg/kg dry
Methylene Chloride	75-09-2	0.0011 U	0.0011	0.0012	mg/kg dry
Methyl-tert-Butyl Ether	1634-04-4	0.0011 U	0.0011	0.0012	mg/kg dry
Naphthalene	91-20-3	0.0008 U	0.0008	0.0012	mg/kg dry
n-Butyl Benzene	104-51-8	0.0011 U	0.0011	0.0012	mg/kg dry
n-Propyl Benzene	103-65-1	0.0010 U	0.0010	0.0012	mg/kg dry
o-Xylene	95-47-6	0.0010 U	0.0010	0.0012	mg/kg dry
sec-Butylbenzene	135-98-8	0.0008 U	0.0008	0.0012	mg/kg dry
Styrene	100-42-5	0.0011 U	0.0011	0.0012	mg/kg dry
tert-Butylbenzene	98-06-6	0.0007 U	0.0007	0.0012	mg/kg dry
Tetrachloroethene	127-18-4	0.0024	0.0008	0.0012	mg/kg dry
Toluene	108-88-3	0.0011 U	0.0011	0.0012	mg/kg dry
trans-1,2-Dichloroethene	156-60-5	0.0011 U	0.0011	0.0012	mg/kg dry
trans-1,3-Dichloropropene	10061-02-6	0.0010 U	0.0010	0.0012	mg/kg dry
Trichloroethene	79-01-6	0.0027	0.0010	0.0012	mg/kg dry
Trichlorofluoromethane	75-69-4	0.0010 U	0.0010	0.0012	mg/kg dry
Vinyl chloride	75-01-4	0.0011 U	0.0011	0.0012	mg/kg dry

Approximate Recovery	Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	0.0601	103 %	53-151
Dibromofluoromethane	1868-53-7	0.0482	83 %	56-130
Toluene-d8	2037-26-5	0.0547	94 %	67-126



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ANALYTICAL REPORT

Sample ID: B-4 7-10
Lab #: C601595-04
Prog Method: EPA 5035_MS
Analysed: 05/30/06 By: spf
Anal Method: EPA 8260B
Anal Batch:
QC Batch: 6E30001

Project: UST-Generic
Work Order #: C601595
Matrix: Soil
Unit: mg/kg dry
Dilution Factor: 0.92
Percent Solids: 87.60

Volatle Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1,2 Tetrachloroethane	630-20-6	0.0007 U	0.0007	0.0011	mg/kg dry
1,1,1 Trichloroethane	71-55-6	0.0017	0.0008	0.0011	mg/kg dry
1,1,2,2 Tetrachloroethane	79-34-5	0.0009 U	0.0009	0.0011	mg/kg dry
1,1,2 Trichloroethane	79-00-5	0.0006 U	0.0006	0.0011	mg/kg dry
1,1-Dichloroethane	75-34-3	0.0009 U	0.0009	0.0011	mg/kg dry
1,1 Dichloroethene	75-35-4	0.0008 U	0.0008	0.0011	mg/kg dry
1,1 Dichloropropene	563-58-6	0.0007 U	0.0007	0.0011	mg/kg dry
1,2,3 Trichlorobenzene	87-61-6	0.0009 U	0.0009	0.0011	mg/kg dry
1,2,3 Trichloropropane	96-18-4	0.0005 U	0.0005	0.0011	mg/kg dry
1,2,4 Trichlorobenzene	120-82-1	0.0009 U	0.0009	0.0011	mg/kg dry
1,2,4 Trimethylbenzene	95-63-6	0.0009 U	0.0009	0.0011	mg/kg dry
1,2 Dibromo- 1-chloropropane	96-12-8	0.0008 U	0.0008	0.0011	mg/kg dry
1,2 Dibromoethane	106-93-4	0.0009 U	0.0009	0.0011	mg/kg dry
1,2 Dichlorobenzene	95-50-1	0.0008 U	0.0008	0.0011	mg/kg dry
1,2 Dichloroethane	107-06-2	0.0008 U	0.0008	0.0011	mg/kg dry
1,2 Dichloropropane	78-87-5	0.0008 U	0.0008	0.0011	mg/kg dry
1,2,3-Trimethylbenzene	108-67-8	0.0007 U	0.0007	0.0011	mg/kg dry
1,2,4-Dichlorobenzene	541-73-1	0.0007 U	0.0007	0.0011	mg/kg dry
1,2,4-Dichloropropane	142-28-9	0.0009 U	0.0009	0.0011	mg/kg dry
1,3 Dichlorobenzene	106-46-7	0.0008 U	0.0008	0.0011	mg/kg dry
1,3 Dichloropropane	590-20-7	0.0009 U	0.0009	0.0011	mg/kg dry
2-Butanone	78-93-3	0.0016 U	0.0016	0.0053	mg/kg dry
1 Chloroethyl Vinyl Ether	110-75-8	0.0028 U	0.0028	0.0053	mg/kg dry
2 Chlorotoluene	95-49-8	0.0009 U	0.0009	0.0011	mg/kg dry
2 Hexanone	591-78-6	0.0024 U	0.0024	0.0053	mg/kg dry
4 Chlorotoluene	106-43-4	0.0008 U	0.0008	0.0011	mg/kg dry
4 Isopropyltoluene	99-87-6	0.0007 U	0.0007	0.0011	mg/kg dry
4 Methyl 2-pentanone	108-10-1	0.0025 U	0.0025	0.0053	mg/kg dry
Acetone	67-64-1	0.0030 U	0.0030	0.0053	mg/kg dry
Benzene	71-43-2	0.0009 U	0.0009	0.0011	mg/kg dry
Bromobenzene	108-86-1	0.0009 U	0.0009	0.0011	mg/kg dry
Bromoethchloromethane	74-97-5	0.0008 U	0.0008	0.0011	mg/kg dry
Bromodichloromethane	75-27-4	0.0008 U	0.0008	0.0011	mg/kg dry
Bromoform	75-25-2	0.0008 U	0.0008	0.0011	mg/kg dry
Bromomethane	74-83-9	0.0009 U	0.0009	0.0011	mg/kg dry
Carbon disulfide	75-15-0	0.0021 U	0.0021	0.0053	mg/kg dry



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ANALYTICAL REPORT

Sample ID B-4 7-10
 Lab # C601595-04
 Prep Method EPA 5035_MS
 Analyzed 05/30/06 By: spf
 Anal Method EPA 8260B
 Anal Batch
 Q# Batch 6E30001

Project: UST-Generic
 Work Order #: C601595
 Matrix: Soil
 Unit: mg/kg dry
 Dilution Factor: 0.92
 Percent Solids: 87.60

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Carbon Tetrachloride	56-23-5	0.0008 U	0.0008	0.0011	mg/kg dry
Chlorobenzene	108-90-7	0.0009 U	0.0009	0.0011	mg/kg dry
Chloroethane	75-00-3	0.0005 U	0.0005	0.0011	mg/kg dry
Chloroform	67-66-3	0.0009 U	0.0009	0.0011	mg/kg dry
Chloromethane	74-87-3	0.0009 U	0.0009	0.0011	mg/kg dry
cis-1,2-Dichloroethene	156-59-2	0.0008 U	0.0008	0.0011	mg/kg dry
cis-1,3-Dichloropropene	10061-01-5	0.0009 U	0.0009	0.0011	mg/kg dry
Dibromochloromethane	124-48-1	0.0009 U	0.0009	0.0011	mg/kg dry
Dibromomethane	74-95-3	0.0009 U	0.0009	0.0011	mg/kg dry
Dichlorodifluoromethane	75-71-8	0.0006 U	0.0006	0.0011	mg/kg dry
Ethylbenzene	100-41-4	0.0009 U	0.0009	0.0011	mg/kg dry
Heptachlorobutadiene	87-68-3	0.0009 U	0.0009	0.0011	mg/kg dry
Isopropylbenzene	98-82-8	0.0009 U	0.0009	0.0011	mg/kg dry
m,p-Xylene	108-38-3/106-42-3	0.0019 U	0.0019	0.0021	mg/kg dry
Methylene Chloride	75-09-2	0.0009 U	0.0009	0.0011	mg/kg dry
Methyl tert Butyl Ether	1634-04-4	0.0009 U	0.0009	0.0011	mg/kg dry
Naphthalene	91-20-3	0.0007 U	0.0007	0.0011	mg/kg dry
n-Butyl Benzene	104-51-8	0.0009 U	0.0009	0.0011	mg/kg dry
n-Propyl Benzene	103-65-1	0.0008 U	0.0008	0.0011	mg/kg dry
n-Xylene	95-47-6	0.0008 U	0.0008	0.0011	mg/kg dry
o-Butylbenzene	135-98-8	0.0007 U	0.0007	0.0011	mg/kg dry
Styrene	100-42-5	0.0009 U	0.0009	0.0011	mg/kg dry
tert Butylbenzene	98-06-6	0.0006 U	0.0006	0.0011	mg/kg dry
Tetrachloroethene	127-18-4	0.0102	0.0007	0.0011	mg/kg dry
Toluene	108-88-3	0.0009 U	0.0009	0.0011	mg/kg dry
trans-1,2-Dichloroethene	156-60-5	0.0009 U	0.0009	0.0011	mg/kg dry
trans-1,3-Dichloropropene	10061-02-6	0.0008 U	0.0008	0.0011	mg/kg dry
Trichloroethene	79-01-6	0.0041	0.0008	0.0011	mg/kg dry
Trichlorofluoromethane	75-69-4	0.0008 U	0.0008	0.0011	mg/kg dry
Vinyl chloride	75-01-4	0.0009 U	0.0009	0.0011	mg/kg dry

Compound Recovery	Result	Spike Level	% Recovery	% Recovery Limits	
1-Bromofluorobenzene	460-00-4	0.0623	0.0571	109 %	53-151
Dibromofluoromethane	1868-53-7	0.0480	0.0571	84 %	56-130
Toluene-d8	2037-26-5	0.0552	0.0571	97 %	67-126



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ANALYTICAL REPORT

Sample ID: MW-1 7-10
Lab #: C601595-05
Prep. Method: EPA 5035_MS
Analyzed: 05/30/06 By: spf
Anal. Method: EPA 8260B
Anal. Batch:
QC Batch: 6E30001

Project: UST-Generie
Work Order #: C601595
Matrix: Soil
Unit: mg/kg dry
Dilution Factor: 0.83
Percent Solids: 86.00

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.0007 U, D	0.0007	0.0010	mg/kg dry
1,1,1-Trichloroethane	71-55-6	0.0017 D	0.0008	0.0010	mg/kg dry
1,1,2,2-Tetrachloroethane	79-34-5	0.0009 U, D	0.0009	0.0010	mg/kg dry
1,1,2-Trichloroethane	79-00-5	0.0006 U, D	0.0006	0.0010	mg/kg dry
1,1-Dichloroethane	75-34-3	0.0009 U, D	0.0009	0.0010	mg/kg dry
1,1-Dichloroethene	75-35-4	0.0008 U, D	0.0008	0.0010	mg/kg dry
1,1-Dichloropropene	563-58-6	0.0007 U, D	0.0007	0.0010	mg/kg dry
1,2,3-Trichlorobenzene	87-61-6	0.0009 U, D	0.0009	0.0010	mg/kg dry
1,2,3-Trichloropropane	96-18-4	0.0005 U, D	0.0005	0.0010	mg/kg dry
1,2,4-Trichlorobenzene	120-82-1	0.0009 U, D	0.0009	0.0010	mg/kg dry
1,2,4-Trimethylbenzene	95-63-6	0.0009 U, D	0.0009	0.0010	mg/kg dry
1,2-Dibromo-3-chloropropane	96-12-8	0.0008 U, D	0.0008	0.0010	mg/kg dry
1,2-Dibromoethane	106-93-4	0.0009 U, D	0.0009	0.0010	mg/kg dry
1,2-Dichlorobenzene	95-50-1	0.0008 U, D	0.0008	0.0010	mg/kg dry
1,2-Dichloroethane	107-06-2	0.0008 U, D	0.0008	0.0010	mg/kg dry
1,2-Dichloropropane	78-87-5	0.0008 U, D	0.0008	0.0010	mg/kg dry
1,3,5-Trimethylbenzene	108-67-8	0.0007 U, D	0.0007	0.0010	mg/kg dry
1,3-Dichlorobenzene	541-73-1	0.0007 U, D	0.0007	0.0010	mg/kg dry
1,3-Dichloropropane	142-28-9	0.0009 U, D	0.0009	0.0010	mg/kg dry
1,4-Dichlorobenzene	106-46-7	0.0008 U, D	0.0008	0.0010	mg/kg dry
2,2-Dichloropropane	590-20-7	0.0009 U, D	0.0009	0.0010	mg/kg dry
2-Butanone	78-93-3	0.0014 U, D	0.0014	0.0048	mg/kg dry
2-Chloroethyl Vinyl Ether	110-75-8	0.0026 U, D	0.0026	0.0048	mg/kg dry
2-Chlorotoluene	95-49-8	0.0009 U, D	0.0009	0.0010	mg/kg dry
2-Hexanone	591-78-6	0.0022 U, D	0.0022	0.0048	mg/kg dry
4-Chlorotoluene	106-43-4	0.0008 U, D	0.0008	0.0010	mg/kg dry
4-Isopropyltoluene	99-87-6	0.0007 U, D	0.0007	0.0010	mg/kg dry
4-Methyl-2-pentanone	108-10-1	0.0023 U, D	0.0023	0.0048	mg/kg dry
Acetone	67-64-1	0.0028 U, D	0.0028	0.0048	mg/kg dry
Benzene	71-43-2	0.0009 U, D	0.0009	0.0010	mg/kg dry
Bromobenzene	108-86-1	0.0009 U, D	0.0009	0.0010	mg/kg dry
Bromochloromethane	74-97-5	0.0008 U, D	0.0008	0.0010	mg/kg dry
Bromodichloromethane	75-27-4	0.0008 U, D	0.0008	0.0010	mg/kg dry
Bromoform	75-25-2	0.0008 U, D	0.0008	0.0010	mg/kg dry
Bromomethane	74-83-9	0.0009 U, D	0.0009	0.0010	mg/kg dry
Carbon disulfide	75-15-0	0.0019 U, D	0.0019	0.0048	mg/kg dry



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ANALYTICAL REPORT

Sample ID: MW-1 7-10
 Lab #: C601595-05
 Prep. Method: EPA 5035_MS
 Analyzed: 05/30/06 By: spf
 Anal. Method: EPA 8260B
 Anal. Batch:
 QC Batch: 6E30001

Project: UST-Generic
 Work Order #: C601595
 Matrix: Soil
 Unit: mg/kg dry
 Dilution Factor: 0.83
 Percent Solids: 86.00

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	Units
Carbon Tetrachloride	56-23-5	0.0008 U, D	0.0008	0.0010	mg/kg dry
Chlorobenzene	108-90-7	0.0009 U, D	0.0009	0.0010	mg/kg dry
Chloroethane	75-00-3	0.0005 U, D	0.0005	0.0010	mg/kg dry
Chloroform	67-66-3	0.0009 U, D	0.0009	0.0010	mg/kg dry
Chloromethane	74-87-3	0.0009 U, D	0.0009	0.0010	mg/kg dry
cis-1,2-Dichloroethene	156-59-2	0.0008 U, D	0.0008	0.0010	mg/kg dry
cis-1,3-Dichloropropene	10061-01-5	0.0009 U, D	0.0009	0.0010	mg/kg dry
Dibromochloromethane	124-48-1	0.0009 U, D	0.0009	0.0010	mg/kg dry
Dibromomethane	74-95-3	0.0009 U, D	0.0009	0.0010	mg/kg dry
Dichlorodifluoromethane	75-71-8	0.0006 U, D	0.0006	0.0010	mg/kg dry
Ethylbenzene	100-41-4	0.0012 D	0.0009	0.0010	mg/kg dry
Hexachlorobutadiene	87-68-3	0.0009 U, D	0.0009	0.0010	mg/kg dry
Isopropylbenzene	98-82-8	0.0009 U, D	0.0009	0.0010	mg/kg dry
m,p-Xylenes	108-38-3/106-42-3	0.0037 D	0.0017	0.0019	mg/kg dry
Methylene Chloride	75-09-2	0.0009 U, D	0.0009	0.0010	mg/kg dry
Methyl-tert-Butyl Ether	1634-04-4	0.0009 U, D	0.0009	0.0010	mg/kg dry
Naphthalene	91-20-3	0.0007 U, D	0.0007	0.0010	mg/kg dry
n-Butyl Benzene	104-51-8	0.0009 U, D	0.0009	0.0010	mg/kg dry
n-Propyl Benzene	103-65-1	0.0008 U, D	0.0008	0.0010	mg/kg dry
o-Xylene	95-47-6	0.0008 U, D	0.0008	0.0010	mg/kg dry
sec-Butylbenzene	135-98-8	0.0007 U, D	0.0007	0.0010	mg/kg dry
Styrene	100-42-5	0.0009 U, D	0.0009	0.0010	mg/kg dry
tert-Butylbenzene	98-06-6	0.0006 U, D	0.0006	0.0010	mg/kg dry
Tetrachloroethene	127-18-4	0.0136 D	0.0007	0.0010	mg/kg dry
Toluene	108-88-3	0.0028 D	0.0009	0.0010	mg/kg dry
trans-1,2-Dichloroethene	156-60-5	0.0009 U, D	0.0009	0.0010	mg/kg dry
trans-1,3-Dichloropropene	10061-02-6	0.0008 U, D	0.0008	0.0010	mg/kg dry
Trichloroethene	79-01-6	0.0092 D	0.0008	0.0010	mg/kg dry
Trichlorofluoromethane	75-69-4	0.0008 U, D	0.0008	0.0010	mg/kg dry
Vinyl chloride	75-01-4	0.0009 U, D	0.0009	0.0010	mg/kg dry
Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	0.0611	0.0581	105 %	53-151
Dibromofluoromethane	1868-53-7	0.0447	0.0581	77 %	56-130
Toluene-d8	2037-26-5	0.0526	0.0581	91 %	67-126



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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
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Volatile Organic Compounds by GCMS - Quality Control

Batch 6E30001 - EPA 5035_MS

Blank (6E30001-BLK1) Continued

Prepared: 05/30/2006 07:55 Analyzed: 05/30/2006 09:37

trans-1,3-Dichloropropene	0.0008 U	0.0010	mg/kg wet
Ethylbenzene	0.0009 U	0.0010	mg/kg wet
Hexachlorobutadiene	0.0009 U	0.0010	mg/kg wet
4-Isopropyltoluene	0.0007 U	0.0010	mg/kg wet
Methylene Chloride	0.0009 U	0.0010	mg/kg wet
Naphthalene	0.0007 U	0.0010	mg/kg wet
Styrene	0.0009 U	0.0010	mg/kg wet
1,1,1,2-Tetrachloroethane	0.0007 U	0.0010	mg/kg wet
1,1,2,2-Tetrachloroethane	0.0009 U	0.0010	mg/kg wet
Toluene	0.0009 U	0.0010	mg/kg wet
1,2,3-Trichlorobenzene	0.0009 U	0.0010	mg/kg wet
1,2,4-Trichlorobenzene	0.0009 U	0.0010	mg/kg wet
1,1,1-Trichloroethane	0.0008 U	0.0010	mg/kg wet
1,1,2-Trichloroethane	0.0006 U	0.0010	mg/kg wet
Trichlorofluoromethane	0.0008 U	0.0010	mg/kg wet
1,2,3-Trichloropropane	0.0005 U	0.0010	mg/kg wet
1,2,4-Trimethylbenzene	0.0009 U	0.0010	mg/kg wet
1,3,5-Trimethylbenzene	0.0007 U	0.0010	mg/kg wet
Vinyl chloride	0.0009 U	0.0010	mg/kg wet
m,p-Xylenes	0.0018 U	0.0020	mg/kg wet
o-Xylene	0.0008 U	0.0010	mg/kg wet

LCS (6E30001-BS1)

Prepared: 05/30/2006 07:55 Analyzed: 05/30/2006 16:39

Benzene	0.0157	0.0010	mg/kg wet	0.0200	78	58-130
Trichloroethene	0.0206	0.0010	mg/kg wet	0.0200	103	61-144
Chlorobenzene	0.0179	0.0010	mg/kg wet	0.0200	90	70-135
1,1-Dichloroethene	0.0143	0.0010	mg/kg wet	0.0200	72	22-179
Toluene	0.0138	0.0010	mg/kg wet	0.0200	69	58-140

Matrix Spike (6E30001-MS1)

Prepared: 05/30/2006 07:55 Analyzed: 05/30/2006 17:07

Benzene	0.0160	0.0010	mg/kg wet	0.0200	80	54-133
Trichloroethene	0.0198	0.0010	mg/kg wet	0.0200	99	27-192
Chlorobenzene	0.0178	0.0010	mg/kg wet	0.0200	89	63-143
1,1-Dichloroethene	0.0156	0.0010	mg/kg wet	0.0200	78	35-172
Toluene	0.0149	0.0010	mg/kg wet	0.0200	74	59-141

Matrix Spike Dup (6E30001-MSD1)

Prepared: 05/30/2006 07:55 Analyzed: 05/30/2006 17:36

Benzene	0.0146	0.0010	mg/kg wet	0.0200	73	54-133	9	23
Trichloroethene	0.0185	0.0010	mg/kg wet	0.0200	92	27-192	7	17
Chlorobenzene	0.0186	0.0010	mg/kg wet	0.0200	93	63-143	4	24
1,1-Dichloroethene	0.0151	0.0010	mg/kg wet	0.0200	76	35-172	3	19
Toluene	0.0131	0.0010	mg/kg wet	0.0200	66	59-141	13	22



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NOTES AND DEFINITIONS

- U Analyte included in the analysis, but not detected
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- D Data reported from a dilution

REFERENCE 8



North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management
Beverly Eaves Purdue, Governor

Dee Freeman, Secretary

MEMORANDUM

Date: June 21, 2012

To: File

From: Sue Murphy
Eastern Region
Inactive Hazardous Sites Branch

Re: Stony Hill Road – Sampling Trip Summary
NONCD 000 1165

-
- Vincent Antrilli, John Walch and I visited the site on June 20, 2012 to perform well sampling in the area. We sampled the addresses list below:
 - 7303 Stony Hill Road
 - 7305 Stony Hill Road
 - 7333 Stony Hill Road
 - No other residents in the area responded to sample request letters, were not available by phone and were not home during the time that we were on site to sample.
 - The well at 7305 Stony Hill Road has not been in use since PCE and TCE were first detected in the well 5 years ago. The owner made arrangements for electrical power to the well and removed the concrete well cover so that we could sample it.
 - The samples collected were sent to Shealy Lab on June 20, 2012.

Well Log Sheet

Site Name: Stony Hill Road
 Site Id #: _____
 Owner Name: Charlie Arnold
 Well Address: 7305 Stony Hill Rd
 Well ID #: SH-1

Weather
 Temp: 86°
 Wind: 0 calm
 Percip: clear

Date: 6-20-12

Coordinates: _____ N
 _____ E

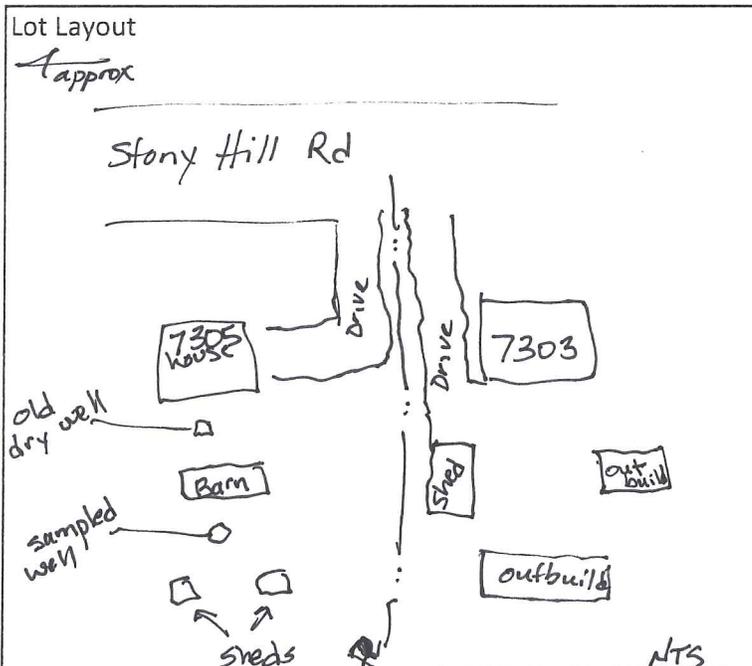
Sample Team: Antrilli & Rose

Comments (well construction, etc.) ~~There are~~ Mr. Arnold ran power to well so we could sample. In concrete rise w/lid behind barn.

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	<u>17.4</u>	<u>17.9</u>	<u>18.6</u>	_____	_____
pH	<u>6.27</u>	<u>6.29</u>	<u>6.42</u>	_____	_____
S.C.	<u>194.8</u>	<u>193.6</u>	<u>190.4</u>	_____	_____
Turbidity	<u>10.3</u>	<u>15.1</u>	<u>14.7</u>	_____	_____

Time Sample Collected: 9:55

Water Condition (turbidity, color, odor): _____



- Samples Collected:
- VOCs (3 - 40ml vials)
 - 1,4 Dioxane (3 - 40ml vials)
 - _____ SVOCs/PCBs (1 - 2L Amber bottle)
 - _____ Metals (1 - 1L HDPE bottle)
 - _____ Dioxin (1 - 1L bottle)
 - _____ Pest./Herb. (1 - 2L Amber bottle)

Comments: _____

Well Log Sheet

Site Name: Stony Hill Rd
 Site Id #: _____
 Owner Name: D. Albright
 Well Address: 7303 Stony Hill Rd
 Well ID #: SH-2

Weather
 Temp: 86°
 Wind: calm
 Percip: clear

Date: June 20, 2012

Coordinates: _____ N
 _____ E

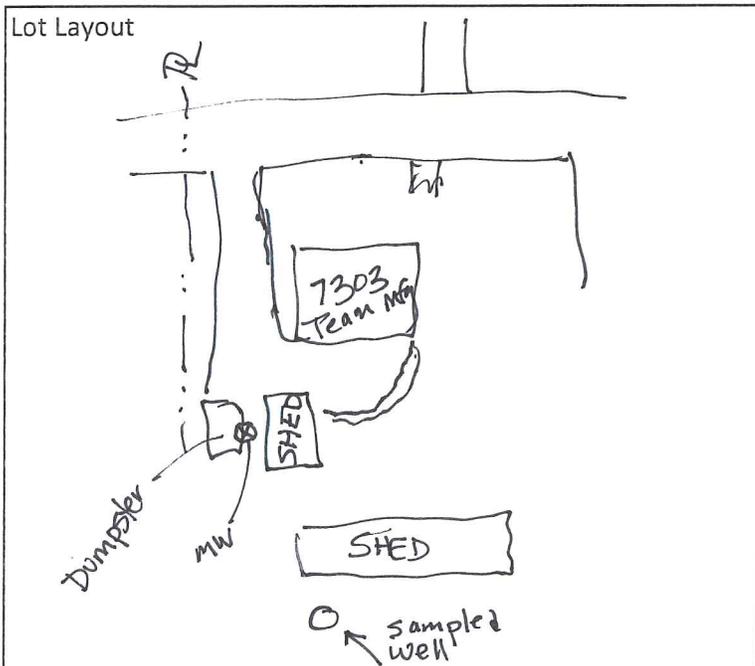
Sample Team: Antrilli & Rese-Murphy

Comments (well construction, etc.) _____

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	<u>18.6</u>	<u>17.6</u>	<u>18.0</u>	_____	_____
pH	<u>6.14</u>	<u>6.14</u>	<u>6.12</u>	_____	_____
S.C.	<u>186.3</u>	<u>184.8</u>	<u>185.4</u>	_____	_____
Turbidity	<u>5.6</u>	<u>5.6</u>	<u>6.9</u>	_____	_____

Time Sample Collected: 10:25

Water Condition (turbidity, color, odor): _____



- Samples Collected:
- VOCs (3 - 40ml vials)
 - 1,4 Dioxane (3 - 40ml vials)
 - SVOCs/PCBs (1 - 2L Amber bottle)
 - Metals (1 - 1L HDPE bottle)
 - Dioxin (1 - 1L bottle)
 - Pest./Herb. (1 - 2L Amber bottle)

Comments: well provides water to
4 properties: 7301(?) 7303,
7305, and Rosa Harris

Well Log Sheet

Site Name: Stony Hill Rd
 Site Id #: _____
 Owner Name: Cawthorne
 Well Address: 7333 Stony Hill Rd
 Well ID #: SH-3

Weather
 Temp: 86
 Wind: calm
 Percip: clear

Date: June 20 2012

Coordinates: _____ N
 _____ E

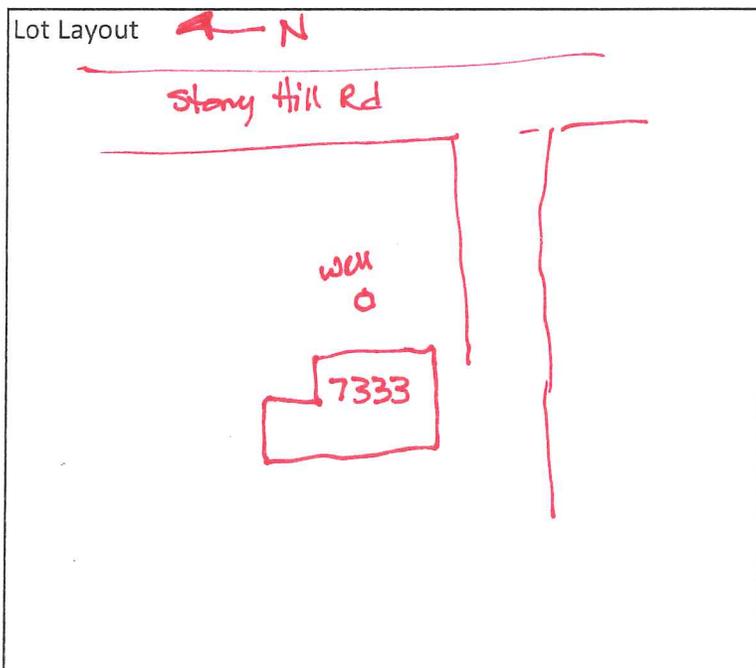
Sample Team: Antrilli & Rose Murphy

Comments (well construction, etc.) well casing marked 400' deep

Time Interval	5 Min	10 Min	15 Min	20 Min	25 Min
Temp (°C)	<u>19.3</u>	<u>19.3</u>	<u>19.0</u>	_____	_____
pH	<u>7.51</u>	<u>7.55</u>	<u>7.59</u>	_____	_____
S.C.	<u>213</u>	<u>211</u>	<u>214</u>	_____	_____
Turbidity	<u>4.5</u>	<u>5.6</u>	<u>6.0</u>	_____	_____

Time Sample Collected: 10:55

Water Condition (turbidity, color, odor): _____



- Samples Collected:
- VOCs (3 - 40ml vials)
 - 1,4 Dioxane (3 - 40ml vials)
 - SVOCs/PCBs (1 - 2L Amber bottle)
 - Metals (1 - 1L HDPE bottle)
 - Dioxin (1 - 1L bottle)
 - Pest./Herb. (1 - 2L Amber bottle)

Comments: _____



Street:

Select Year:

2011

SHEALY ENVIRONMENTAL SERVICES, INC.

Report of Analysis

NCDENR - DWM - DSCA

401 Oberlin Rd

Suite 210

Raleigh, NC 27605

Attention: Vincent Antrilli

Project Name: **Interstate BP- Stony Hill**

Project Number: **NONCD 000 2205**

Lot Number: **NF21004**

Date Completed: **07/05/2012**



Nisreen Saikaly

Project Manager



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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

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SHEALY ENVIRONMENTAL SERVICES, INC.

SC DHEC No: 32010

NELAC No: E87653

NC DENR No: 329

Case Narrative NCDENR - DWM - DSCA Lot Number: NF21004

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Volatile Organic Compounds

The LCS/LCSD recovery for Acetone, 2-Butanone (MEK) and 1,1,2-Trichloro-1,2,2-Trifluoroethane exceeded method control limits in batch 88263; however, all other QA/QC criteria for the LCS/LCSD were within acceptance criteria and method control limits. The associated sample results were non-detect, therefore the results were reported and no corrective action was required.

SHEALY ENVIRONMENTAL SERVICES, INC.

Sample Summary NCDENR - DWM - DSCA Lot Number: NF21004

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Trip Blank	Aqueous	06/20/2012	06/21/2012
002	BP-7	Aqueous	06/20/2012 1315	06/21/2012
003	BP-8	Aqueous	06/20/2012 1350	06/21/2012
004	BP-9	Aqueous	06/20/2012 1415	06/21/2012
005	SH-1	Aqueous	06/20/2012 0955	06/21/2012
006	SH-2	Aqueous	06/20/2012 1025	06/21/2012
007	SH-3	Aqueous	06/20/2012 1055	06/21/2012

(7 samples)

SHEALY ENVIRONMENTAL SERVICES, INC.

Executive Summary NCDENR - DWM - DSCA Lot Number: NF21004

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
005	SH-1	Aqueous	1,4-Dioxane	8260B (SIM)	11		ug/L	15
005	SH-1	Aqueous	1,1-Dichloroethene	8260B	1.0		ug/L	16
005	SH-1	Aqueous	Methyl tertiary butyl ether (MTBE)	8260B	1.0		ug/L	16
005	SH-1	Aqueous	Tetrachloroethene	8260B	13		ug/L	16
005	SH-1	Aqueous	1,1,1-Trichloroethane	8260B	1.6		ug/L	16
005	SH-1	Aqueous	Trichloroethene	8260B	28		ug/L	17
007	SH-3	Aqueous	cis-1,2-Dichloroethene	8260B	1.9		ug/L	22
007	SH-3	Aqueous	Tetrachloroethene	8260B	13		ug/L	22
007	SH-3	Aqueous	1,1,2-Trichloro-1,2,2-Trifluoroethane	8260B	2.3		ug/L	22
007	SH-3	Aqueous	Trichloroethene	8260B	22		ug/L	23

(10 detections)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-001
Description: Trip Blank	Matrix: Aqueous
Date Sampled: 06/20/2012	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	07/02/2012 1254	DLB		88202

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		135	40-170

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-002
Description: BP-7	Matrix: Aqueous
Date Sampled: 06/20/2012 1315	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	06/30/2012 1726	JJG		88137

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4	137	40-170

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-002
Description: BP-7	Matrix: Aqueous
Date Sampled: 06/20/2012 1315	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0225	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-002
Description: BP-7	Matrix: Aqueous
Date Sampled: 06/20/2012 1315	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0225	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		102	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-003
Description: BP-8	Matrix: Aqueous
Date Sampled: 06/20/2012 1350	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	06/30/2012 1747	JJG		88137

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		138	40-170

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: **NCDENR - DWM - DSCA**

Laboratory ID: **NF21004-003**

Description: **BP-8**

Matrix: **Aqueous**

Date Sampled: **06/20/2012 1350**

Date Received: **06/21/2012**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0250	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

H = Out of holding time

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

* = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-003
Description: BP-8	Matrix: Aqueous
Date Sampled: 06/20/2012 1350	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0250	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-004
Description: BP-9	Matrix: Aqueous
Date Sampled: 06/20/2012 1415	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B (SIM iso.)	1	07/02/2012 1406	DLB		88202

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		136	40-170

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-004
Description: BP-9	Matrix: Aqueous
Date Sampled: 06/20/2012 1415	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0725	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-004
Description: BP-9	Matrix: Aqueous
Date Sampled: 06/20/2012 1415	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0725	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		95	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-005
Description: SH-1	Matrix: Aqueous
Date Sampled: 06/20/2012 0955	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	06/30/2012 1830	JJG		88137

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-8	8260B (SIM iso.)	11		3.0	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits				
1,2-Dichloroethane-d4		127	40-170				

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-005
Description: SH-1	Matrix: Aqueous
Date Sampled: 06/20/2012 0955	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0315	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	1.0		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	1.0		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	13		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	1.6		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-005
Description: SH-1	Matrix: Aqueous
Date Sampled: 06/20/2012 0955	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0315	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	28		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-006
Description: SH-2	Matrix: Aqueous
Date Sampled: 06/20/2012 1025	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	06/30/2012 1852	JJG		88137

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		161	40-170

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-006
Description: SH-2	Matrix: Aqueous
Date Sampled: 06/20/2012 1025	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0340	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-006
Description: SH-2	Matrix: Aqueous
Date Sampled: 06/20/2012 1025	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0340	DD		88263

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		104	70-130

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS (SIM with isotope dilution)

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-007
Description: SH-3	Matrix: Aqueous
Date Sampled: 06/20/2012 1055	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B (SIM iso.)	1	06/30/2012 1913	JJG		88137

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,4-Dioxane	123-91-1	8260B (SIM iso.)	ND		3.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		163	40-170

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-007
Description: SH-3	Matrix: Aqueous
Date Sampled: 06/20/2012 1055	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0405	DD		88263
2	5030B	8260B	1	07/03/2012 2202	JJG		88364

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
Acetone	67-64-1	8260B	ND		10	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	1.9		0.50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	ug/L	1
Tetrachloroethene	127-18-4	8260B	13		0.50	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	2.3		0.50	ug/L	2
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

Volatile Organic Compounds by GC/MS

Client: NCDENR - DWM - DSCA	Laboratory ID: NF21004-007
Description: SH-3	Matrix: Aqueous
Date Sampled: 06/20/2012 1055	
Date Received: 06/21/2012	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	07/03/2012 0405	DD		88263
2	5030B	8260B	1	07/03/2012 2202	JJG		88364

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	ug/L	1
Trichloroethene	79-01-6	8260B	22		0.50	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	ug/L	1

Surrogate	Run 1		Run 2	
	Q	% Recovery	Q	% Recovery
1,2-Dichloroethane-d4		97		104
Bromofluorobenzene		102		98
Toluene-d8		103		102

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time
 ND = Not detected at or above the PQL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" * = Reportable result (only when report all runs)

QC Summary

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: NQ88137-001

Matrix: Aqueous

Batch: 88137

Prep Method: 5030B

Analytical Method: 8260B (SIM iso.)

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	06/30/2012 1606
Surrogate	Q	% Rec	Acceptance Limit			
1,2-Dichloroethane-d4		138	40-170			

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: NQ88137-002

Matrix: Aqueous

Batch: 88137

Prep Method: 5030B

Analytical Method: 8260B (SIM iso.)

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	43		1	86	43-173	06/30/2012 1459
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		105	40-170				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCSD

Sample ID: NQ88137-003

Matrix: Aqueous

Batch: 88137

Prep Method: 5030B

Analytical Method: 8260B (SIM iso.)

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,4-Dioxane	50	43		1	86	0.41	43-173	20	06/30/2012 1523
Surrogate	Q	% Rec	Acceptance Limit						
1,2-Dichloroethane-d4		127	40-170						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - MB

Sample ID: NQ88202-001

Matrix: Aqueous

Batch: 88202

Prep Method: 5030B

Analytical Method: 8260B (SIM iso.)

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,4-Dioxane	ND		1	3.0	ug/L	07/02/2012 1157
Surrogate	Q	% Rec	Acceptance Limit			
1,2-Dichloroethane-d4		168	40-170			

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCS

Sample ID: NQ88202-002

Matrix: Aqueous

Batch: 88202

Prep Method: 5030B

Analytical Method: 8260B (SIM iso.)

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,4-Dioxane	50	48		1	96	43-173	07/02/2012 1052
Surrogate	Q	% Rec	Acceptance Limit				
1,2-Dichloroethane-d4		132	40-170				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS (SIM with isotope dilution) - LCSD

Sample ID: NQ88202-003

Matrix: Aqueous

Batch: 88202

Prep Method: 5030B

Analytical Method: 8260B (SIM iso.)

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,4-Dioxane	50	48		1	95	1.0	43-173	20	07/02/2012 1114
Surrogate	Q	% Rec	Acceptance Limit						
1,2-Dichloroethane-d4		157	40-170						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ88263-001

Matrix: Aqueous

Batch: 88263

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Acetone	ND		1	10	ug/L	07/02/2012 2300
Benzene	ND		1	0.50	ug/L	07/02/2012 2300
Bromodichloromethane	ND		1	0.50	ug/L	07/02/2012 2300
Bromoform	ND		1	0.50	ug/L	07/02/2012 2300
Bromomethane (Methyl bromide)	ND		1	0.50	ug/L	07/02/2012 2300
2-Butanone (MEK)	ND		1	10	ug/L	07/02/2012 2300
Carbon disulfide	ND		1	0.50	ug/L	07/02/2012 2300
Carbon tetrachloride	ND		1	0.50	ug/L	07/02/2012 2300
Chlorobenzene	ND		1	0.50	ug/L	07/02/2012 2300
Chloroethane	ND		1	0.50	ug/L	07/02/2012 2300
Chloroform	ND		1	0.50	ug/L	07/02/2012 2300
Chloromethane (Methyl chloride)	ND		1	0.50	ug/L	07/02/2012 2300
Cyclohexane	ND		1	0.50	ug/L	07/02/2012 2300
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	ug/L	07/02/2012 2300
Dibromochloromethane	ND		1	0.50	ug/L	07/02/2012 2300
1,2-Dibromoethane (EDB)	ND		1	0.50	ug/L	07/02/2012 2300
1,4-Dichlorobenzene	ND		1	0.50	ug/L	07/02/2012 2300
1,2-Dichlorobenzene	ND		1	0.50	ug/L	07/02/2012 2300
1,3-Dichlorobenzene	ND		1	0.50	ug/L	07/02/2012 2300
Dichlorodifluoromethane	ND		1	0.50	ug/L	07/02/2012 2300
1,2-Dichloroethane	ND		1	0.50	ug/L	07/02/2012 2300
1,1-Dichloroethane	ND		1	0.50	ug/L	07/02/2012 2300
trans-1,2-Dichloroethene	ND		1	0.50	ug/L	07/02/2012 2300
1,1-Dichloroethene	ND		1	0.50	ug/L	07/02/2012 2300
cis-1,2-Dichloroethene	ND		1	0.50	ug/L	07/02/2012 2300
1,2-Dichloropropane	ND		1	0.50	ug/L	07/02/2012 2300
trans-1,3-Dichloropropene	ND		1	0.50	ug/L	07/02/2012 2300
cis-1,3-Dichloropropene	ND		1	0.50	ug/L	07/02/2012 2300
Ethylbenzene	ND		1	0.50	ug/L	07/02/2012 2300
2-Hexanone	ND		1	10	ug/L	07/02/2012 2300
Isopropylbenzene	ND		1	0.50	ug/L	07/02/2012 2300
Methyl acetate	ND		1	1.0	ug/L	07/02/2012 2300
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	ug/L	07/02/2012 2300
4-Methyl-2-pentanone	ND		1	10	ug/L	07/02/2012 2300
Methylcyclohexane	ND		1	5.0	ug/L	07/02/2012 2300
Methylene chloride	ND		1	0.50	ug/L	07/02/2012 2300
Styrene	ND		1	0.50	ug/L	07/02/2012 2300
1,1,2,2-Tetrachloroethane	ND		1	0.50	ug/L	07/02/2012 2300
Tetrachloroethene	ND		1	0.50	ug/L	07/02/2012 2300
Toluene	ND		1	0.50	ug/L	07/02/2012 2300
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	07/02/2012 2300
1,2,4-Trichlorobenzene	ND		1	0.50	ug/L	07/02/2012 2300
1,1,1-Trichloroethane	ND		1	0.50	ug/L	07/02/2012 2300
1,1,2-Trichloroethane	ND		1	0.50	ug/L	07/02/2012 2300

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ88263-001

Matrix: Aqueous

Batch: 88263

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
Trichloroethene	ND		1	0.50	ug/L	07/02/2012 2300
Trichlorofluoromethane	ND		1	0.50	ug/L	07/02/2012 2300
Vinyl chloride	ND		1	0.50	ug/L	07/02/2012 2300
Xylenes (total)	ND		1	0.50	ug/L	07/02/2012 2300
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		103	70-130			
1,2-Dichloroethane-d4		111	70-130			
Toluene-d8		99	70-130			

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ88263-002

Matrix: Aqueous

Batch: 88263

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	170	N	1	174	46-153	07/02/2012 2120
Benzene	50	54		1	107	70-130	07/02/2012 2120
Bromodichloromethane	50	61		1	123	70-130	07/02/2012 2120
Bromoform	50	58		1	117	70-130	07/02/2012 2120
Bromomethane (Methyl bromide)	50	57		1	114	60-140	07/02/2012 2120
2-Butanone (MEK)	100	140	N	1	142	60-140	07/02/2012 2120
Carbon disulfide	50	48		1	96	60-140	07/02/2012 2120
Carbon tetrachloride	50	63		1	127	70-130	07/02/2012 2120
Chlorobenzene	50	51		1	102	70-130	07/02/2012 2120
Chloroethane	50	56		1	112	42-163	07/02/2012 2120
Chloroform	50	57		1	113	70-130	07/02/2012 2120
Chloromethane (Methyl chloride)	50	54		1	108	20-158	07/02/2012 2120
Cyclohexane	50	58		1	117	70-130	07/02/2012 2120
1,2-Dibromo-3-chloropropane (DBCP)	50	56		1	113	70-130	07/02/2012 2120
Dibromochloromethane	50	63		1	126	70-130	07/02/2012 2120
1,2-Dibromoethane (EDB)	50	59		1	119	70-130	07/02/2012 2120
1,4-Dichlorobenzene	50	50		1	100	70-130	07/02/2012 2120
1,2-Dichlorobenzene	50	51		1	102	70-130	07/02/2012 2120
1,3-Dichlorobenzene	50	49		1	99	70-130	07/02/2012 2120
Dichlorodifluoromethane	50	65		1	130	60-140	07/02/2012 2120
1,2-Dichloroethane	50	60		1	120	70-130	07/02/2012 2120
1,1-Dichloroethane	50	55		1	110	70-130	07/02/2012 2120
trans-1,2-Dichloroethene	50	56		1	112	70-130	07/02/2012 2120
1,1-Dichloroethene	50	59		1	117	70-130	07/02/2012 2120
cis-1,2-Dichloroethene	50	56		1	112	70-130	07/02/2012 2120
1,2-Dichloropropane	50	55		1	110	70-130	07/02/2012 2120
trans-1,3-Dichloropropene	50	61		1	123	70-130	07/02/2012 2120
cis-1,3-Dichloropropene	50	60		1	121	70-130	07/02/2012 2120
Ethylbenzene	50	53		1	106	70-130	07/02/2012 2120
2-Hexanone	100	130		1	127	60-140	07/02/2012 2120
Isopropylbenzene	50	52		1	103	70-130	07/02/2012 2120
Methyl acetate	50	66	N	1	133	15-128	07/02/2012 2120
Methyl tertiary butyl ether (MTBE)	50	62		1	123	70-130	07/02/2012 2120
4-Methyl-2-pentanone	100	130		1	133	60-140	07/02/2012 2120
Methylcyclohexane	50	58		1	116	70-130	07/02/2012 2120
Methylene chloride	50	55		1	111	70-130	07/02/2012 2120
Styrene	50	54		1	109	70-130	07/02/2012 2120
1,1,2,2-Tetrachloroethane	50	55		1	109	70-130	07/02/2012 2120
Tetrachloroethene	50	54		1	107	70-130	07/02/2012 2120
Toluene	50	52		1	104	70-130	07/02/2012 2120
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	75	N	1	150	70-130	07/02/2012 2120
1,2,4-Trichlorobenzene	50	50		1	100	70-130	07/02/2012 2120
1,1,1-Trichloroethane	50	58		1	117	70-130	07/02/2012 2120
1,1,2-Trichloroethane	50	57		1	113	70-130	07/02/2012 2120

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ88263-002

Matrix: Aqueous

Batch: 88263

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	57		1	114	70-130	07/02/2012 2120
Trichlorofluoromethane	50	61		1	123	60-140	07/02/2012 2120
Vinyl chloride	50	60		1	119	60-140	07/02/2012 2120
Xylenes (total)	100	110		1	107	70-130	07/02/2012 2120
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		102	70-130				
1,2-Dichloroethane-d4		114	70-130				
Toluene-d8		101	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ88263-003

Matrix: Aqueous

Batch: 88263

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Acetone	100	170	N	1	167	3.8	46-153	20	07/02/2012 2145
Benzene	50	54		1	108	1.1	70-130	20	07/02/2012 2145
Bromodichloromethane	50	60		1	121	1.3	70-130	20	07/02/2012 2145
Bromoform	50	58		1	116	0.93	70-130	20	07/02/2012 2145
Bromomethane (Methyl bromide)	50	56		1	112	2.4	60-140	20	07/02/2012 2145
2-Butanone (MEK)	100	140	N	1	141	0.96	60-140	20	07/02/2012 2145
Carbon disulfide	50	48		1	97	0.79	60-140	20	07/02/2012 2145
Carbon tetrachloride	50	64		1	128	0.80	70-130	20	07/02/2012 2145
Chlorobenzene	50	52		1	105	2.2	70-130	20	07/02/2012 2145
Chloroethane	50	63		1	126	11	42-163	20	07/02/2012 2145
Chloroform	50	56		1	112	0.76	70-130	20	07/02/2012 2145
Chloromethane (Methyl chloride)	50	51		1	102	5.8	20-158	20	07/02/2012 2145
Cyclohexane	50	57		1	114	2.2	70-130	20	07/02/2012 2145
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	109	3.6	70-130	20	07/02/2012 2145
Dibromochloromethane	50	63		1	125	0.36	70-130	20	07/02/2012 2145
1,2-Dibromoethane (EDB)	50	61		1	122	2.7	70-130	20	07/02/2012 2145
1,4-Dichlorobenzene	50	50		1	100	0.13	70-130	20	07/02/2012 2145
1,2-Dichlorobenzene	50	51		1	102	0.22	70-130	20	07/02/2012 2145
1,3-Dichlorobenzene	50	50		1	100	1.7	70-130	20	07/02/2012 2145
Dichlorodifluoromethane	50	63		1	125	3.5	60-140	20	07/02/2012 2145
1,2-Dichloroethane	50	59		1	117	2.0	70-130	20	07/02/2012 2145
1,1-Dichloroethane	50	56		1	112	1.8	70-130	20	07/02/2012 2145
trans-1,2-Dichloroethene	50	56		1	113	0.48	70-130	20	07/02/2012 2145
1,1-Dichloroethene	50	59		1	117	0.029	70-130	20	07/02/2012 2145
cis-1,2-Dichloroethene	50	56		1	113	0.84	70-130	20	07/02/2012 2145
1,2-Dichloropropane	50	55		1	111	0.24	70-130	20	07/02/2012 2145
trans-1,3-Dichloropropene	50	62		1	123	0.44	70-130	20	07/02/2012 2145
cis-1,3-Dichloropropene	50	61		1	122	0.77	70-130	20	07/02/2012 2145
Ethylbenzene	50	54		1	108	2.2	70-130	20	07/02/2012 2145
2-Hexanone	100	120		1	125	1.9	60-140	20	07/02/2012 2145
Isopropylbenzene	50	53		1	105	1.8	70-130	20	07/02/2012 2145
Methyl acetate	50	64		1	128	4.0	15-128	20	07/02/2012 2145
Methyl tertiary butyl ether (MTBE)	50	61		1	122	1.1	70-130	20	07/02/2012 2145
4-Methyl-2-pentanone	100	130		1	130	2.1	60-140	20	07/02/2012 2145
Methylcyclohexane	50	58		1	116	0.061	70-130	20	07/02/2012 2145
Methylene chloride	50	55		1	111	0.031	70-130	20	07/02/2012 2145
Styrene	50	55		1	110	1.4	70-130	20	07/02/2012 2145
1,1,2,2-Tetrachloroethane	50	55		1	110	1.0	70-130	20	07/02/2012 2145
Tetrachloroethene	50	55		1	110	2.6	70-130	20	07/02/2012 2145
Toluene	50	53		1	105	1.3	70-130	20	07/02/2012 2145
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	72	N	1	145	3.2	70-130	20	07/02/2012 2145
1,2,4-Trichlorobenzene	50	49		1	98	2.0	70-130	20	07/02/2012 2145
1,1,1-Trichloroethane	50	58		1	116	0.71	70-130	20	07/02/2012 2145
1,1,2-Trichloroethane	50	58		1	116	2.5	70-130	20	07/02/2012 2145

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and ≥ MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ88263-003

Matrix: Aqueous

Batch: 88263

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
Trichloroethene	50	57		1	113	0.33	70-130	20	07/02/2012 2145
Trichlorofluoromethane	50	60		1	121	1.7	60-140	20	07/02/2012 2145
Vinyl chloride	50	58		1	116	2.6	60-140	20	07/02/2012 2145
Xylenes (total)	100	110		1	108	1.4	70-130	20	07/02/2012 2145
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		102	70-130						
1,2-Dichloroethane-d4		108	70-130						
Toluene-d8		102	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: NQ88364-001

Matrix: Aqueous

Batch: 88364

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Result	Q	Dil	PQL	Units	Analysis Date
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	ug/L	07/03/2012 2113
Surrogate	Q	% Rec	Acceptance Limit			
Bromofluorobenzene		101	70-130			
1,2-Dichloroethane-d4		106	70-130			
Toluene-d8		104	70-130			

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: NQ88364-002
Batch: 88364

Matrix: Aqueous
Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	46		1	93	70-130	07/03/2012 1932
Surrogate	Q	% Rec	Acceptance Limit				
Bromofluorobenzene		96	70-130				
1,2-Dichloroethane-d4		103	70-130				
Toluene-d8		104	70-130				

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCSD

Sample ID: NQ88364-003

Matrix: Aqueous

Batch: 88364

Prep Method: 5030B

Analytical Method: 8260B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	48		1	95	2.7	70-130	20	07/03/2012 1957
Surrogate	Q	% Rec	Acceptance Limit						
Bromofluorobenzene		96	70-130						
1,2-Dichloroethane-d4		102	70-130						
Toluene-d8		105	70-130						

PQL = Practical quantitation limit

P = The RPD between two GC columns exceeds 40%

N - Recovery is out of criteria

ND = Not detected at or above the PQL

J = Estimated result < PQL and \geq MDL

+ - RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

SHEALY ENVIRONMENTAL SERVICES, INC.

Number **11244**

Shealy Environmental Services, Inc.
106 Vantage Point Drive
West Columbia, South Carolina 29172
Telephone No. (803) 791-9700 Fax No. (803) 791-9111
www.shealylab.com

Chain of Custody Record



Client McDENR - DWM		Project to Conduct VANCE ANTRILL		Sample Project Name VANCE ANTRILL		County No.	
Address 217 W JONES ST		Telephone No. / Fax No. / Email 719-707-8353		Worksheet No.		City	
City RALEIGH NC 27603		Preservative 4 HCl 1 NPH		BE AD		Number of Containers	
Project Name INTERSTATE BP / STONY HILL		4 HCl 5 HCl		A A		High School Industrial District	
Project No. / P.O. Number MONCO 000 2205		8 HCl 10 HCl		S S		Highway	
Sample ID / Description (Containers in each sample may be numbered 1 to 4)		Matrix		1 + Duplicate		Loc. No.	
Date		Matrix		VOCs		Remarks / Code (1)	
TRIP BLANK				2 2		NF2100X	
BP-7		V		3 3			
BP-8		V		3 3			
BP-9		V		3 3			
SH-1		V		3 3			
SH-2		V		3 3			
SH-3		V		3 3			

Test Method / Method Approved (Per EPA approval required for regulated PCB)		Sample Disposal		Possible Hazard Identification	
1. Sample ID / Method (Per EPA)		1. Date / Time / Date		1. Low / High / Other / Other	
2. Requisitioned by <i>Vince Antrill</i>		Date / Time / Date 6/20/12 3:50		Date / Time / Date	
3. Requisitioned by		Date / Time / Date		Date / Time / Date	
4. Requisitioned by <i>FED Ex</i>		Date / Time / Date 6-21-12 6:40		Date / Time / Date 6/21/12 084	

Note: All samples are retained for six weeks from receipt unless other arrangements are made.

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
 Document Number: E-AD-016
 Revision Number: 4

Page: 1 of 1
 Revision Date: 05/06/11
 Effective Date: 10/1/11

Sample Receipt Checklist (SRC)

Client: LICORNER Cooler Inspected by/date: on 9/21/12 Lot #: NF210X

Means of receipt: <input type="checkbox"/> SESI <input type="checkbox"/> Client <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Airborne Exp <input type="checkbox"/> Other	
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	1. Were custody seals present on the cooler?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	2. If custody seals were present, were they intact and unbroken?
Cooler ID/temperature upon receipt: <u>2-5</u> °C _____ °C _____ °C _____ °C	
Method: <input checked="" type="checkbox"/> Temperature Blank <input checked="" type="checkbox"/> Against Bottles	
Method of coolant: <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> Dry Ice <input type="checkbox"/> None	
If response is No (or Yes for 14, 15, 16), an explanation/resolution must be provided.	
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM notified by SRC, phone, note (circle one), other: _____ (For coolers received via commercial courier, PMs are to be notified immediately.)
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	4. Is the commercial courier's packing slip attached to this form?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5. Were proper custody procedures (relinquished/received) followed?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	5a. Were samples relinquished by client to commercial courier?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	6. Were sample IDs listed?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	7. Was collection date & time listed?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	8. Were tests to be performed listed on the COC?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	9. Did all samples arrive in the proper containers for each test?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	10. Did all container label information (ID, date, time) agree with COC?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	11. Did all containers arrive in good condition (unbroken, lids on, etc.)?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	12. Was adequate sample volume available?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	13. Were all samples received within 1/2 the holding time or 48 hours, whichever comes first?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	14. Were any samples containers missing?
Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	15. Were there any excess samples not listed on COC?
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	16. Were bubbles present > "pea-size" (1/4" or 6mm in diameter) in any VOA vials?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	18. Were all cyanide and/or sulfide samples received at a pH > 12?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	19. Were all applicable NH3/TKN/cyanide/phenol/BNA/pest/PCB/herb (<0.2mg/L) samples free of residual chlorine?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	20. Were collection temperatures documented on the COC for NC samples?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or w/td. headspace.)	
Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H ₂ SO ₄ , HNO ₃ , HCl, NaOH) with the SR # (number) _____	
Sample(s) <u>-00, TB (2)</u> were received with bubbles >6 mm in diameter.	
Sample(s) _____ were received with TRC >0.2 mg/L for NH ₃ /TKN/cyanide/BNA/pest/PCB/herb.	
Corrective Action taken, if necessary:	
Was client notified: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Did client respond: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
SESI employee: _____	Date of response: _____
Comments: _____	

REFERENCE 9

From: [Bateson, James](#)
To: [Zinn, Harry;](#)
Subject: NC DWM Referral of Stony Hill Road TCE Site to ERA R4 ERRB
Date: Monday, September 24, 2012 2:28:12 PM
Attachments: [Stony Hill Road TCE 7-10-2012 Site Referral to ERRB.pdf](#)
[Excel version of Stony Hill Road addresses.pdf](#)

I referred the Stony Hill Road TCE Site to EPA Region 4 Emergency Response and Removal Branch via telephone call to EPA On Scene Coordinator Ken Rhame on the evening of July 10, 2012. I emailed well sampling results and addresses that same evening by two emails, attached as pdf.

Jim Bateson
Head, Site Evaluation and Removal Branch
Superfund Section
Division of Waste Management
North Carolina Department of Environment and Natural Resources

(919) 707-8329 phone and fax

Mailing Address:
1646 Mail Service Center
Raleigh, NC 27699-1646

Physical Office Address:
Green Square Complex
217 West Jones Street
Raleigh, NC 27603

E-mail correspondence to and from this address may be subject to the
North Carolina Public Records Law and may be disclosed to third parties.

From: [James](#)
To: rhame.kenneth@epa.gov;
cc: [Bateson, James](#); vince.antrilli@ncdenr.gov;
Subject: PCE and TCE Stony Hill Road, Wake Forest, NC
Date: Tuesday, July 10, 2012 11:37:53 PM

Ken,

Below are the addresses and recent TCE and PCE results for three wells at a site in Wake Forest. Potential source is the flat roofed shop at 7303 Stony Hill Road, reportedly a circuit board manufacturer.

I'll try to see if Vince Antrilli has phone numbers for these residents Wednesday morning, and we'll forward lab sheets sometime tomorrow as well.

Graham Cawthorne residence at 7333 Stony Hill Road, Sample SH-3, may need bottled water.

			Sample ID		PCE	TCE
7303	Stony Hill Road	Albright	SH-2	In use, no detects		
7305	Stony Hill Road	Arnold	SH-1	Not in use, but not closed	13	28
7309	Stony Hill Road	Rosa Harris				
7317	Stony Hill Road	Cuda				
7325	Stony Hill Road	Perry				
7333	Stony Hill Road	Graham Cawthorne	SH-3	In use	22	13
7324	Stony Hill Road	Wade Harrison				
7312	Stony Hill Road	Henry Harrison				
1017	Chestley Farm Road	Wade Harrison				

Thanks,

Jim