D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

ASSESSMENT COMPONENT INVOICE

SOUTH CAROLINA

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

May 15, 2014

Facility Name: Carolina Country Convenience

UST Permit #: 02261 **Cost Agreement #:** _____

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
1. **Plan Preparation**					
A1. Site-specific Work Plan	1	each	$150.00		$150.00
B1. Tax Map		each	$70.00		$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00		$0.00
2. A1. **Receptor Survey** *		each	$551.00		$0.00
3. **Survey (500 ft x 500 ft)**					
A1. Comprehensive Survey		each	$1,040.00		$0.00
B. Subsurface Geophysical Survey					
1B. < 10 meters below grade		each	$1,300.00		$0.00
2B. > 10 meters below grade		each	$2,310.00		$0.00
C1. Geophysical UST or Drum Survey		each	$910.00		$0.00
4. **Mob/Demob**					
A1. Equipment	1	each	$1,020.00		$1,020.00
B1. Personnel	3	each	$423.00		$1,269.00
C1. Adverse Terrain Vehicle		each	$500.00		$0.00
5. A1. **Soil Borings (hand auger)***		foot	$5.00		$0.00
6. **Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)***					
AA. Standard		per foot	$15.00		$0.00
C1. Fractured Rock		per foot	$20.20		$0.00
7. A1. **Soil Leachability Model**		each	$60.00		$0.00
8. **Abandonment (per foot)***					
A1. 2" diameter or less		per foot	$3.10		$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50		$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00		$0.00
9. **Well Installation (per foot)***					
A1. Water Table (hand augered)		per foot	$10.60		$0.00
B1. Water Table (drill rig)		per foot	$38.00		$0.00
CC. Telescoping	68	per foot	$50.00		$3,400.00
DD. Rock Drilling		per foot	$58.00		$0.00
E1. 2" Rock Coring		per foot	$30.90		$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40		$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00		$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00		$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00		$0.00
K. Re-develop Existing Well		per foot	$11.00		$0.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product ***					
A1. Groundwater Purge	48	per well/receptor	$60.00		$2,880.00
B1. Air or Vapors		per receptor	$12.00		$0.00
C1. Water Supply	1	per well/receptor	$22.00		$22.00
D1. Groundwater (No Purge or Duplicat	3	per well/receptor	$28.00		$84.00
E1. Gauge Well only		per well	$7.00		$0.00
F1. Sample Below Product		per well	$12.00		$0.00
G1. Passive Diffusion Bag		each	$26.00		$0.00
H1. Field Blank	1	each	$24.60		$24.60

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(82	54	per sample	$122.00		$6,588.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011	53	per sample	$45.20		$2,395.60
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. **Analyses-Soil**					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. **Analyses-Air**					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. **Analyses-Free Phase Product**					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. **Aquifer Characterization**					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. **Free Product Recovery Rate Test***		each	$38.00		$0.00
14. **Fate/Transport Modeling**					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. **Risk Evaluation**					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. **Subsequent Survey***	1	each	$260.00		$260.00
17. **Disposal (gallons or tons)***					
AA. Wastewater	400	gallon	$0.56		$224.00
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal	1.5	ton	$60.00		$90.00
D1. Drilling fluids	120	gallon	$0.42		$50.40
18. **Miscellaneous (attach receipts)**					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. **Tier I Assessment (Use DHEC 3665 form)**		standard			$0.00
21. **IGWA (Use DHEC 3666 form)**		standard			$0.00
22. **Corrective Action (Use DHEC 3667 form)**		PFP Bid			$0.00

23. **Aggressive Fluid & Vapor Recovery (AFVR)**					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. **Granulated Activated Carbon (GAC) filter system installation & service:**					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. **Well Repair**					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
I1. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Coordination	12%	percent	$18,457.60		$2,214.91
TOTAL					$20,672.51

*The appropriate mobilization cost can be added to complete these tasks, as necessary. DHEC

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W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

MR MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

MAR 27 2015

Re: **Monitoring Well Installation and Groundwater Sampling Directive**
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit #02261; CA #50020; MWA #UMW-25904
Release #2 Reported October 11, 2012
Site Specific Work Plan Received March 17, 2015
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division (Division) of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced Site Specific Work Plan submitted on your behalf by Geological Resources, Inc. This scope of work will include monitoring well installation and comprehensive groundwater sampling to evaluate current site conditions. All work should be conducted in accordance with the UST Quality Assurance Program Plan (QAPP), Revision 2.0, and must be conducted in compliance with all applicable regulations. A copy of the Agency's QAPP Rev. 2.0, for the UST Management Division is available at http://www.scdhec.gov/environment/docs/QAPP_Rev-2_April2013.pdf.

Well installation activities at the site should begin immediately upon receipt of this letter. **Cost agreement #50020** has been approved for the amount shown on the enclosed cost agreement form for the installation of one deep monitoring well and comprehensive groundwater sampling. The deep monitoring well should be paired with MW-5 in the location depicted on the enclosed figure. After the newly installed well is properly developed and allowed to equilibrate, plan to conduct comprehensive groundwater sampling. Samples should be collected from all monitoring wells and water supply wells associated with the referenced release and analyzed for BTEX, Naphthalene, Oxygenates, 1,2-DCA, MTBE, and EDB. Sampling and analyses should be conducted in accordance with Appendix E of the QAPP, Rev. 2.0, and to include duplicate samples, field and trip blanks.

The Monitoring Report and invoice are due within 60 days from the date sampling occurs. The report submitted at the completion of these activities should include the required information outlined in the QAPP. Please note that all applicable South Carolina certification requirements apply to the services and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

Geological Resources, Inc. can submit an invoice for direct payment from State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. Please note that applicable South Carolina certification requirements regarding the services and report preparation must be satisfied. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note; if unnecessary dilutions are completed resulting in reporting limits of individual Chemicals of Concern in excess of Risk-Based Screening Levels (RBSLs), the data cannot be used. In those cases, the Division may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL. The UST Management Division encourages the use of 'J' values as necessary so the appropriate action can be determined for a release.

The Agency grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. The transport and disposal must be conducted in accordance with the QAPP. If the CoC concentrations based on laboratory analysis are below RBSLs, please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference **UST Permit #02261 and CA #50020**. If you have any questions regarding this correspondence, please contact me by telephone at (803) 898-0607 or by e-mail at thrasham@dhec.sc.gov.

Sincerely,

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement
Monitoring Well Approval #UMW-25904

cc: Geological Resources, Inc., 3502 Hayes Rd., Monroe, NC, 28110 (w/ enc)
Technical File (w/ enc)

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W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

Monitoring Well Approval Form

Approval is hereby granted to:	Geological Resources, Incorporated
(on behalf of):	Carolina Country, LLC
Facility:	Carolina Country Convenience, 1908 Hwy 601 N, Pageland, SC
UST Permit Number:	02261
County:	Chesterfield

This approval is for the installation of 1 permanent, deep monitoring well. The monitoring well is to be installed in the approved location. The monitoring well is to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

Please note that R.61-71 requires the following:

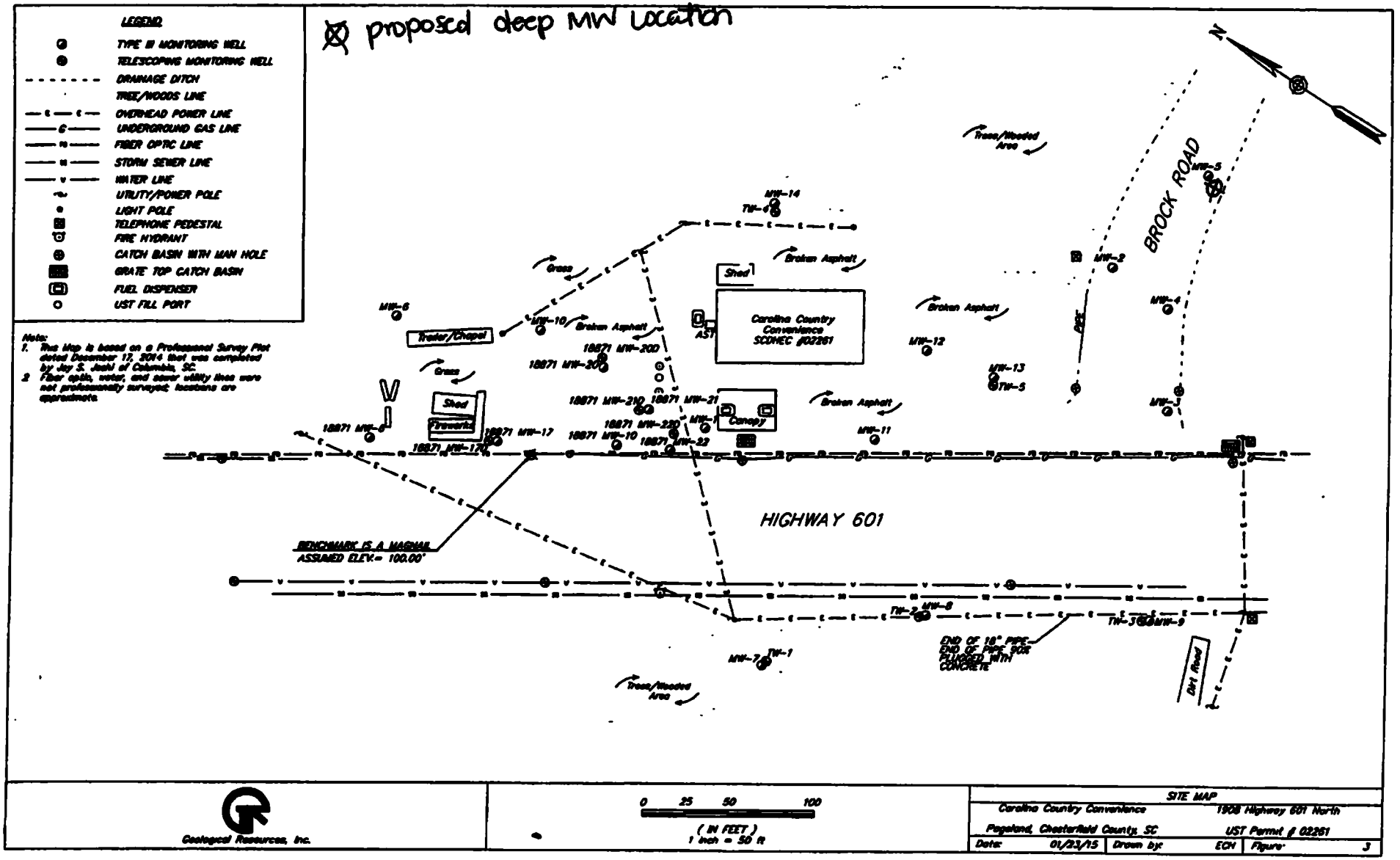
1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the Agency shall be completed and submitted to the Agency within 30 days after well completion or abandonment unless another schedule has been approved by the Agency. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
4. All analytical data and water levels obtained from each monitoring well shall be submitted to the Agency within 30 days of receipt of laboratory results unless another schedule has been approved by the Agency as required by R.61-71.H.1.d.
5. If any of the information provided to the Agency changes, notification to Ashleigh Thrash (tel: (803) 898-0607 or e-mail: thrasham@dhec.sc.gov) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.
7. Agency approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002. A copy of this approval should be on the site during well installation.

Date of Issuance: **March 23, 2015** **Approval #: UMW-25904**

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management


LEGEND
TYPE III MONITORING WELL
TELESCOPING MONITORING WELL
DRAINAGE DITCH
TREE/WOODS LINE
OVERHEAD POWER LINE
UNDERGROUND GAS LINE
FIBER OPTIC LINE
STORM SEWER LINE
WATER LINE
UTILITY/POWER POLE
LIGHT POLE
TELEPHONE PEDESTAL
FIRE HYDRANT
CATCH BASIN WITH MAN HOLE
GRATE TOP CATCH BASIN
FUEL DISPENSER
UST FILL PORT
proposed deep MW location
Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate
N
BROCK ROAD
HIGHWAY 601
Trees/Wooded Area
Grass
Broken Asphalt
Shed
Carolina Country Convenience SCDHEC #02261
AST
Canopy
Trailer/Chapel
Fireworks
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
MW-8
MW-9
MW-10
MW-11
MW-12
MW-13
MW-14
TW-1
TW-2
TW-3
TW-4
TW-5
18871 MW-6
18871 MW-17
18871 MW-20D
18871 MW-20S
18871 MW-21D
18871 MW-21S
18871 MW-22
BENCHMARK IS A MAGNAIL
ASSUMED ELEV.= 100.00'
END OF 18" PIPE
END OF PIPE WAS PLUGGED WITH CONCRETE
DH1 Road
PSE
0 25 50 100
(IN FEET)
1 inch = 50 ft
Geological Resources, Inc.
SITE MAP
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County, SC
UST Permit # 02261
Date: 01/23/15
Drawn by: ECH
Figure: 3

Approved Cost Agreement 50020

Facility: 02261 CAROLINA COUNTRY CONVENIENCE
THRASHAM
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
01 PLAN						
		A1	SITE SPECIFIC WORK PLAN	1.0000	150.00	150.00
04 MOB/DEMOB						
		A1	EQUIPMENT	1.0000	1,020.00	1,020.00
		B1	PERSONNEL	3.0000	423.00	1,269.00
09 WELL INSTALLATION						
		CC	TELESCOPING	68.0000	50.00	3,400.00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	6.0000	60.00	360.00
		C1	WATER SUPPLY	1.0000	22.00	22.00
		D1	GROUNDWATER NO PURGE/DUPLICATE	15.0000	28.00	420.00
		H1	FIELD BLANK	1.0000	24.60	24.60
11 ANALYSES	GW GROUNDWATER					
		A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	24.0000	122.00	2,928.00
		F1	EDB BY 8011	23.0000	45.20	1,039.60
16 SUBSEQUENT SURVEY						
		A1	SUBSEQUENT SURVEY	1.0000	260.00	260.00
17 DISPOSAL						
		AA	WASTEWATER	200.0000	0.56	112.00
		C1	SOIL TREATMENT DISPOSAL	1.5000	60.00	90.00
		D1	DRILLING FLUIDS	120.0000	0.42	50.40
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0.1200	11,145.60	1,337.47
				Total Amount		12,483.07

Geological Resources, Inc.

May 19, 2015

Ms. Ashleigh Thrash
SCDHEC-Underground Storage Tank Management Division
Bureau of Land & Waste Management
2600 Bull Street
Columbia, SC 29201

Re: Ground Water Assessment Report
April 2015
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County, SC
UST Permit Number: 02261
GRI Project No: 3289

Dear Ms. Thrash,

Please find enclosed the referenced report for the above mentioned site. If you have any questions, please do not hesitate to contact Scott Ball at (704) 698-1223.

Sincerely,
Geological Resources, Inc.

Jackie Donnelly
Project Coordinator

Enclosure

cc: Mr. Michael Wallace, Carolina Country LLC
file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

GROUND WATER ASSESSMENT REPORT
APRIL 2015
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, SOUTH CAROLINA
CHESTERFIELD COUNTY
UST PERMIT #02261
GRI PROJECT NO. 3289

Prepared for:

Michael Wallace
Carolina Country LLC
1908 Highway 601 North
Pageland, South Carolina 29728

Prepared by:

Geological Resources, Inc.
3502 Hayes Road
Monroe, North Carolina 28110
Class 1 UST Site Rehabilitation Contractor # 74

May 19, 2015

W. Scott Ball
Senior Project Manager

JOHANNA MARIE TESCHNER
REGISTERED
No. 2576
PROFESSIONAL GEOLOGIST
SOUTH CAROLINA

Johanna M. Teschner, P.G.
License Number 2576

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FIGURES

Figure 1: Site Location Map
Figure 2: Site Vicinity Map
Figure 3: Site Map
Figure 4: Potentiometric Surface Map – Type III Monitoring Wells
Figure 5: Potentiometric Surface Map – Telescoping Wells
Figure 6: Ground Water Quality Map

TABLES

Table 3: Summary of Ground Water Elevation Data
Table 4: Summary of Ground Water Analytical Results – Chemicals of Concern
Table 5: Summary of Ground Water Analytical Results – Oxygenates

APPENDICES

Appendix A: Water Well Record/Subsurface Log
Appendix B: Laboratory Analytical Report – Ground Water Samples
Appendix C: Ground Water Sampling Data Sheets
Appendix D: Disposal Manifest
Appendix E: Contractor Checklist

1.0 INTRODUCTION

This report presents the results of the monitoring well installation and ground water sampling activities conducted in April 2015 at the Carolina Country Convenience site located at 1908 Highway 601 North, Pageland, Chesterfield County, South Carolina (**Figure 1** and **Figure 2**). The activities were conducted in accordance with the "Monitoring Well Installation and Groundwater Sampling Directive" dated March 27, 2015, from the South Carolina Department of Health and Environmental Control SCDHEC. The purpose of the activities was to assess the vertical extent of the contaminant plume and to obtain current ground water quality data for the site. The site is currently operating as convenience store/petroleum retail facility/used auto sales called Carolina Country Convenience. The area surrounding the site is mixed use to include residential, agricultural and limited business. Three gasoline underground storage tanks (USTs) and associated piping and dispensers are currently in operation at the site.

A release (#1) from the UST system was reported at the site on September 30, 2008 and closed with a notice of No Further Action on November 6, 2008. A second release was reported at the site on October 11, 2012. An Initial Ground Water Assessment (IGWA) report documenting site assessment activities was submitted to the SCDHEC in October 2013. Based on the IGWA report, both soil and ground water samples exhibited levels of COCs above the RBSLs. Three water supply wells were identified within 1,000 feet of the source area. Fourteen Type III monitoring wells (MW-1 through MW-14) and five telescoping well (TW-1 through TW-5) were installed during previous assessment activities conducted at the site. The last comprehensive ground water sampling event was conducted at the site in November 2014. One telescoping well, TW-6, was installed on April 23- 24, 2015 during current assessment activates to aid in groundwater assessment efforts. Three water supply wells were identified within 1,000 feet of the source area during a receptor survey conducted in November 2014 as part of the Tier II assessment. Municipal water is provided to all properties in the area. This report summarizes the April 2015 monitoring well installation and ground water monitoring activities.

2.0 FACILITY INFORMATION

- **Facility Name:** Carolina Country Convenience
- **Location:** 1908 Highway 601 North
Pageland, Chesterfield County, SC 29728
- **UST Permit No.** 02261

- **Land Use:** Commercial
- **Property Owner:** Wilson, Inc.
  Post Office Box 1839
  Pageland, SC 29721
  (803) 283-8468
- **UST Owner/Operator:** Carolina Country Convenience
  1908 Highway 601 N.
  Pageland, SC 29728
  (843) 672-5527
- **Site Rehabilitation Contractor:** Geological Resources, Inc.
  3502 Hayes Road
  Monroe, North Carolina 28110
  (704) 845-4010
  Class 1, Certification Number 74
- **Drilling Contractor:** Michael Ransier
  1 Piney Point
  Whispering Pines, North Carolina 28327
  (910) 690-6688
  Certification Number 1152-A
- **Laboratory:** Accutest Laboratories - Southeast
  4405 Vineland Road, Suite C-15
  Orlando, FL 32811
  (407) 425-6700
  State Certification Number: 96038001

Release Information:

- **Date Discovered:** October 11, 2012
- **Estimated Amount of Release:** Unknown
- **Source of Release:** Leaking UST System
- **UST Size/Contents:** One 10,000-gallon gasoline UST, and two 6,000-gallon gasoline USTs, associated piping, and dispensers
- **Latitude:** 34.7940878° North **Longitude:** -80.4035483° West

3.0 MONITORING WELL INSTALLATION

Geological Resources, Inc. (GRI) personnel and the drilling contractor, Ransier Environmental Drilling, arrived at the subject site on April 23-24, 2015, to install one telescoping well (TW-6) in close proximity to MW-5. The telescoping well was installed to a total depth of sixty eight feet with an outer casing set at forty-seven feet and completed with a five foot screen. The telescoping well was finished at grade with a manhole cover and concrete pad.

The telescoping well was developed with a new disposable bailer after installation. A Site Map showing the location of the new telescoping well and the structures on-site has been included as **Figure 2.** A Water Well Record and subsurface log have been included in **Appendix A.**

4.0 GROUND WATER QUALITY

Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were gauged, purged and sampled on April 27, 2015. Water supply well PW-3 was also sampled on April 27, 2015. The depths to ground water in the Type III monitoring wells during the April 2015 gauging event ranged from 7.17 to 20.20 feet below the top of casings. Ground water elevations in the Type III monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from 88.18 to 92.57 feet. Based on this data, the general direction of shallow ground water flow was toward the east, with a horizontal hydraulic gradient of approximately 0.02 feet/foot. The depths to ground water in the telescoping monitoring wells during the April 2015 gauging event ranged from 7.80 to 19.77 feet below the top of casings. Ground water elevations in the telescoping monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from 88.94 to 91.15 feet. Based on this data, the general direction of ground water flow in the telescoping wells was toward the west-southwest. The vertical hydraulic gradients calculated for paired wells MW-9/TW-3, MW-13/TW-5, MW-14/TW-4 and MW-5/TW-6 were approximately 0.0009 feet/foot upward, 0.0096 feet/foot downward, 0.0387 feet/foot upward and 0.0393 feet/foot upward, respectively. A Site Vicinity Map showing the location of water supply well PW-3 has been included as **Figure 2.** A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 3.** A Potentiometric Surface Map based on the April 27, 2015 data for the Type III monitoring wells has been included as **Figure 4.** A Potentiometric Surface Map based on the April 27, 2015 data for the telescoping wells has been included as **Figure 5.** Summaries of ground water elevation data for the April 27, 2015 gauging event are presented in **Table 1.**

Laboratory analyses were performed on the ground water samples collected from the monitoring wells during the April 2015 sampling event for BTEX, MTBE, 1, 2-DCA, naphthalene and eight (8) oxygenates using EPA Method 8260 and EDB using EPA Method 8011. Concentrations of one or more BTEX constituents, naphthalene, MTBE, EDB and/or 1,2-DCA that exceeded the risk based screening levels (RBSLs) were reported in the ground water samples collected from MW-1, MW-11, MW-12, MW-13, MW-14, TW-4 and TW-5. Detectable concentrations of oxygenates were reported in the ground water samples collected from MW-1, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4 and TW-5. No

detectable concentrations of requested method constituents were reported for the sample collected from water supply well PW-1. A Ground Water Quality Map based on data from the April 2015 sampling event has been included as **Figure 6**. Summaries of ground water sample analytical results are presented in **Tables 2** and **3**. A complete laboratory analytical report is attached as **Appendix B**. Ground water sampling data sheets have been included as **Appendix C**. A disposal manifest for purge water generated during the sampling activities has been included as **Appendix D**.

5.0 QA/QC

Monitoring well installation and monitoring well gauging, purging and sampling were conducted in general accordance with the SCDHEC Programmatic QAPP and the approved site specific Contractor Addendum. All wells were sampled with dedicated disposable bailers. All field measurement equipment was properly decontaminated between sampling locations. Duplicate samples from monitoring wells MW-1 and MW-5 and a field blank were collected during the sampling activities. A laboratory supplied trip blank was included in the sample cooler. Laboratory results for MW-1 and MW-1 duplicate and MW-5 and MW-5 duplicate showed the same compounds at similar concentrations. No detectable concentrations of requested method constituents were reported in the field blank or trip blank. All applicable items on the Contractor Checklist were reviewed and verified. A copy of the Contractor Checklist is included as **Appendix E**.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- One telescoping well (TW-6) was installed at the site on April 23 and April 24, 2015.
- Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were gauged, purged and sampled on April 27, 2015. No measurable amount of free product was detected in any of the monitoring wells or telescoping wells at the site.
- Concentrations of benzene, toluene, ethylbenzene, xylenes, naphthalene, MTBE, EDB and/or 1,2-DCA that exceeded the RBSLs were reported in the ground water samples collected from MW-1, MW-11, MW-12, MW-13, MW-14, TW-4 and TW-5. Detectable concentrations of oxygenates were reported in the samples collected from MW-1, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4 and TW-5.
- GRI makes the following recommendations:
    - Ground water sampling at the site should continue as directed by the SCDHEC.

7.0 LIMITATIONS

This report has been prepared for the exclusive use of Mr. Michael Wallace, the owner and operator of the Carolina Country Convenience facility and the SCDHEC for specific application to the referenced site in Chesterfield County, South Carolina. The activities were conducted based on the scope of work and level of effort specified by the SCDHEC and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of geology and hydrogeology practices in the State of South Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data. Please note that certain information contained in this report was not obtained under the direct supervision of GRI personnel. Therefore, GRI cannot verify the accuracy of this information. However, for the purpose of this report, GRI assumes the information is correct.

FIGURES

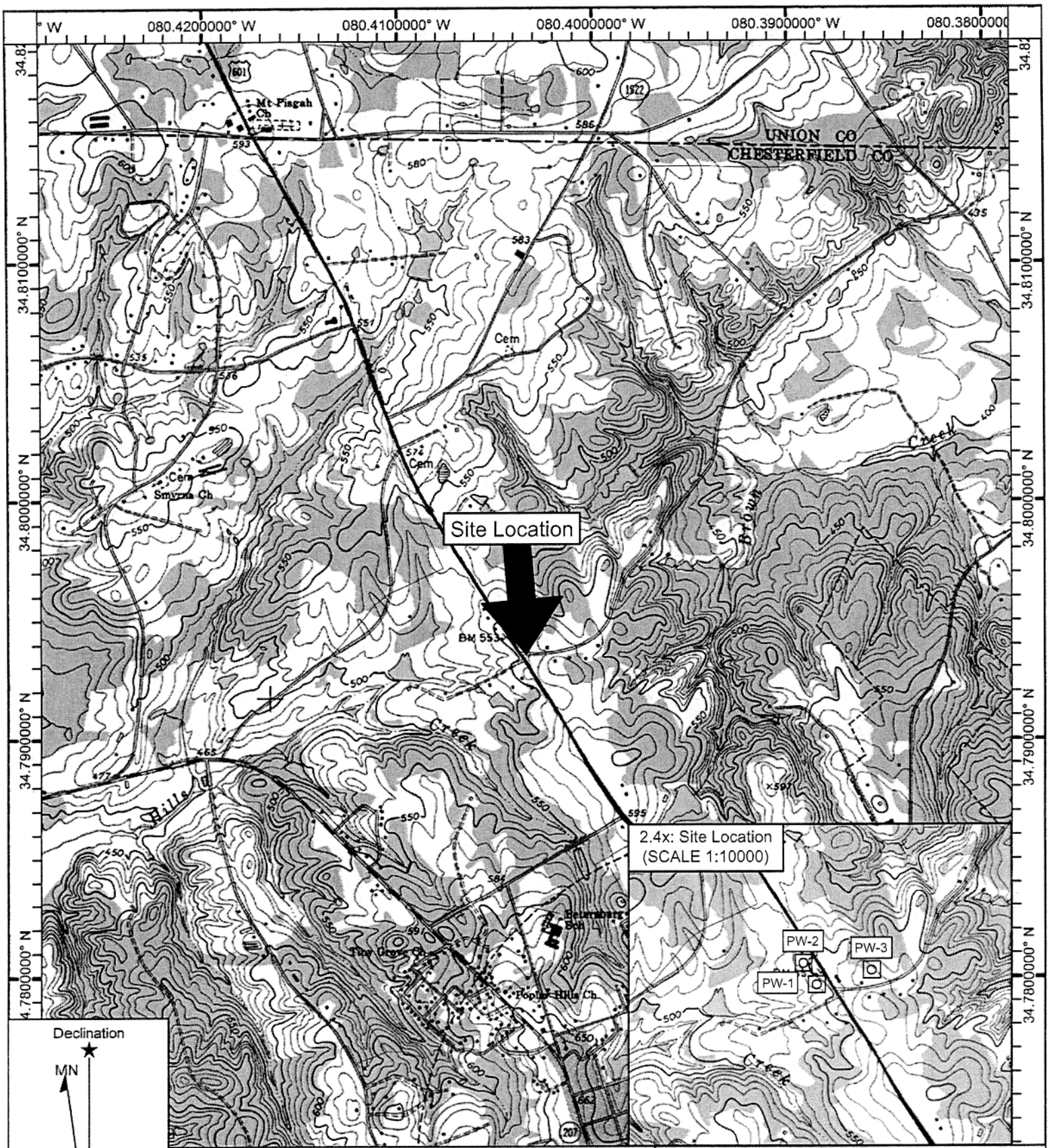


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit # 02261

Name: Topographic Map
Date: 12/09/14
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7940878° N 080.4035483° W

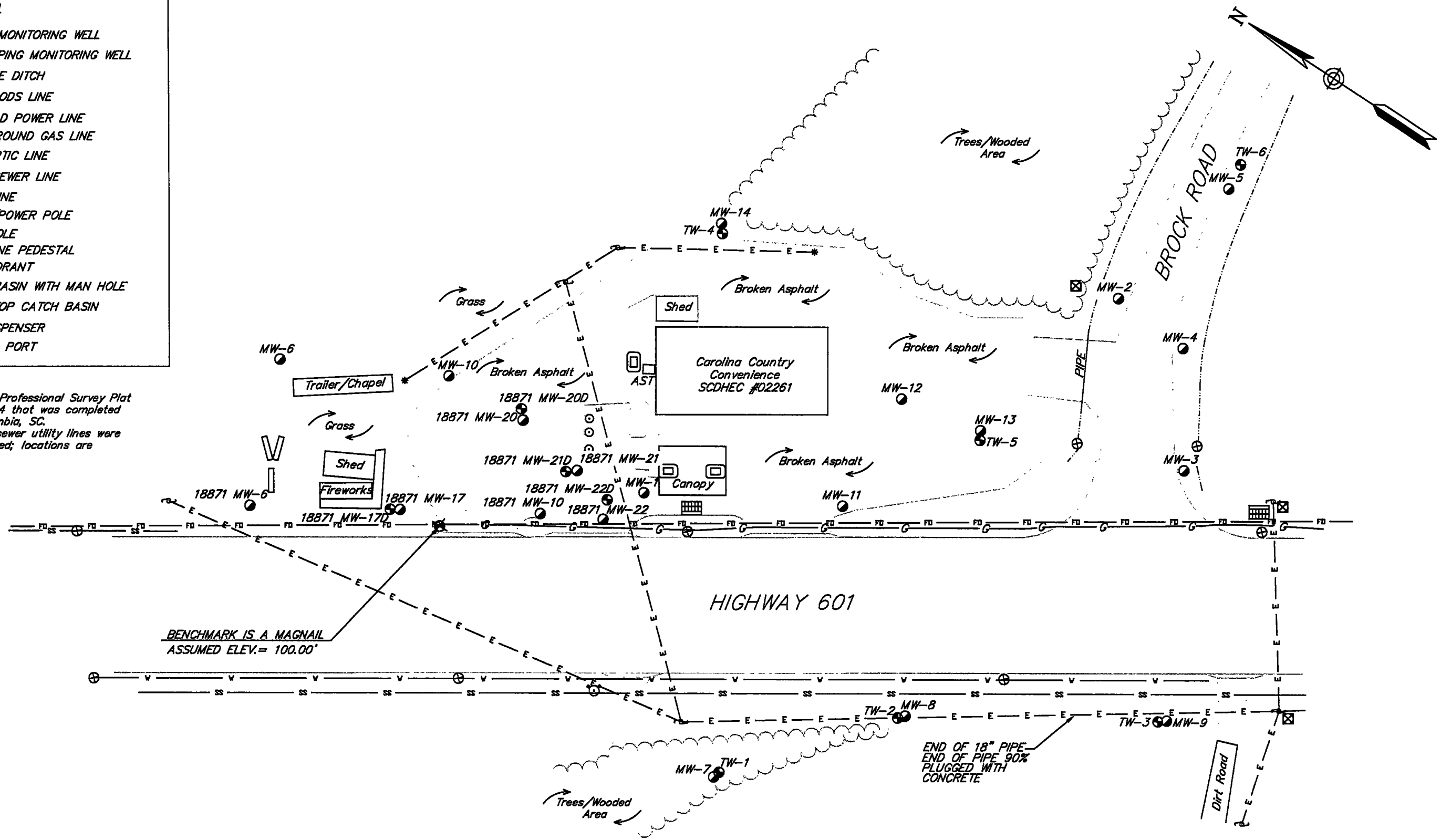
Generated by ECH at Geological Resources, Inc.

N
LEGEND
Water Supply Well
030-000-000-005 Parcel ID Number
Outline of Pond
PW-2
PW-1
030-000-000-003
030-000-000-005
030-000-000-004
030-000-000-007
PW-3
SITE
030-000-000-006
BROCK ROAD
HIGHWAY 601 NORTH
019-000-000-038
030-000-000-008
030-000-000-012
POND
POND
1,000-FT RADIUS
0 100 200 400 Feet
1 INCH = 200 FEET
FIGURE 2: SITE VICINITY MAP
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, CHESTERFIELD COUNTY
SOUTH CAOLINA
UST PERMIT # 02261
PREPARED BY:
GEOLOGICAL RESOURCES INC.
MAY 13, 2015
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

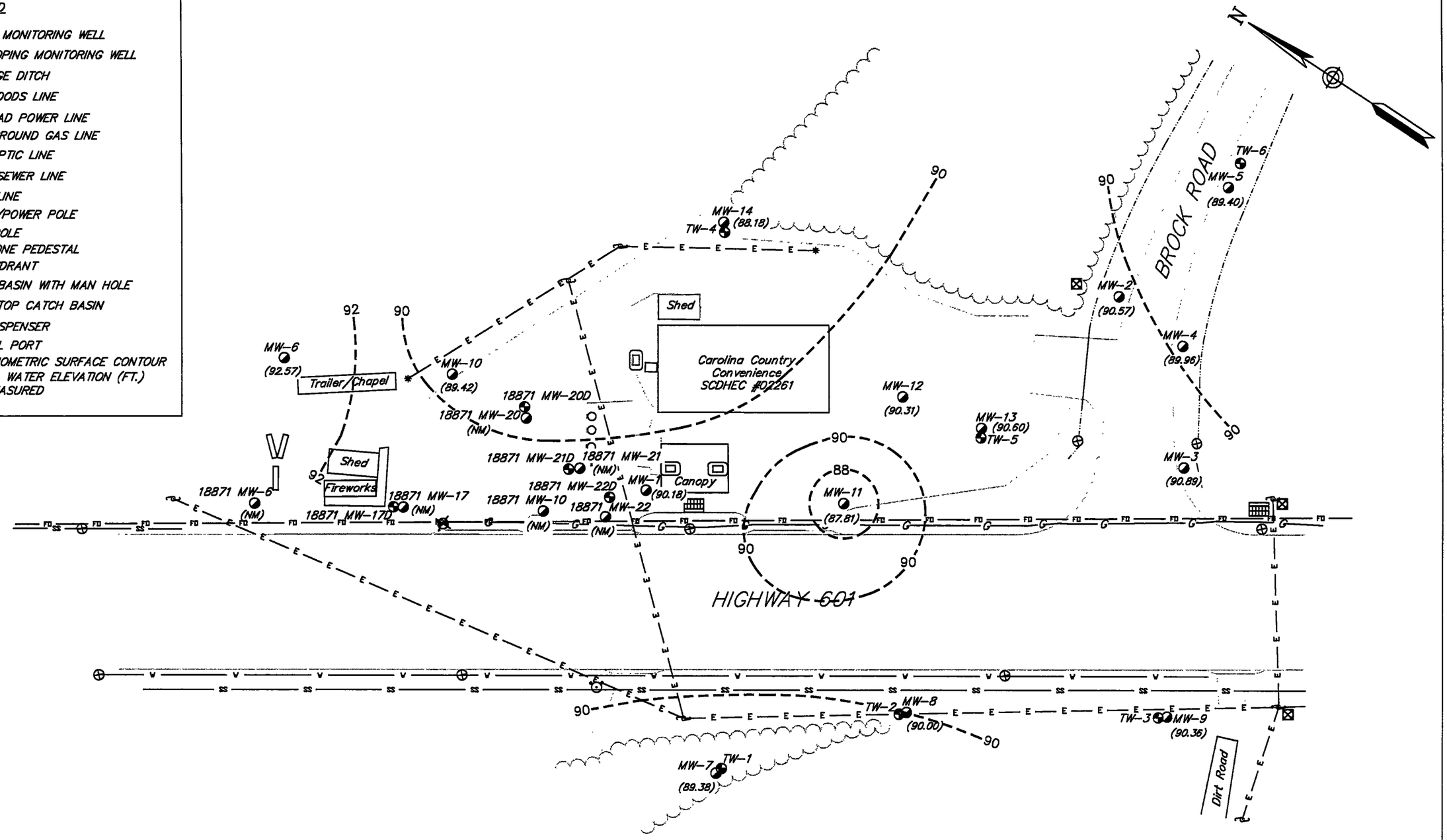
Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date:	05/13/15	Drawn by:	ECH	Figure:	3

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- E — E — OVERHEAD POWER LINE
- G — UNDERGROUND GAS LINE
- FO — FIBER OPTIC LINE
- SS — STORM SEWER LINE
- W — WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 90 — POTENTIOMETRIC SURFACE CONTOUR
- (90.18) GROUND WATER ELEVATION (FT.)
- (NM) NOT MEASURED



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

POTENTIOMETRIC SURFACE MAP – TYPE III WELLS (04/27/15)

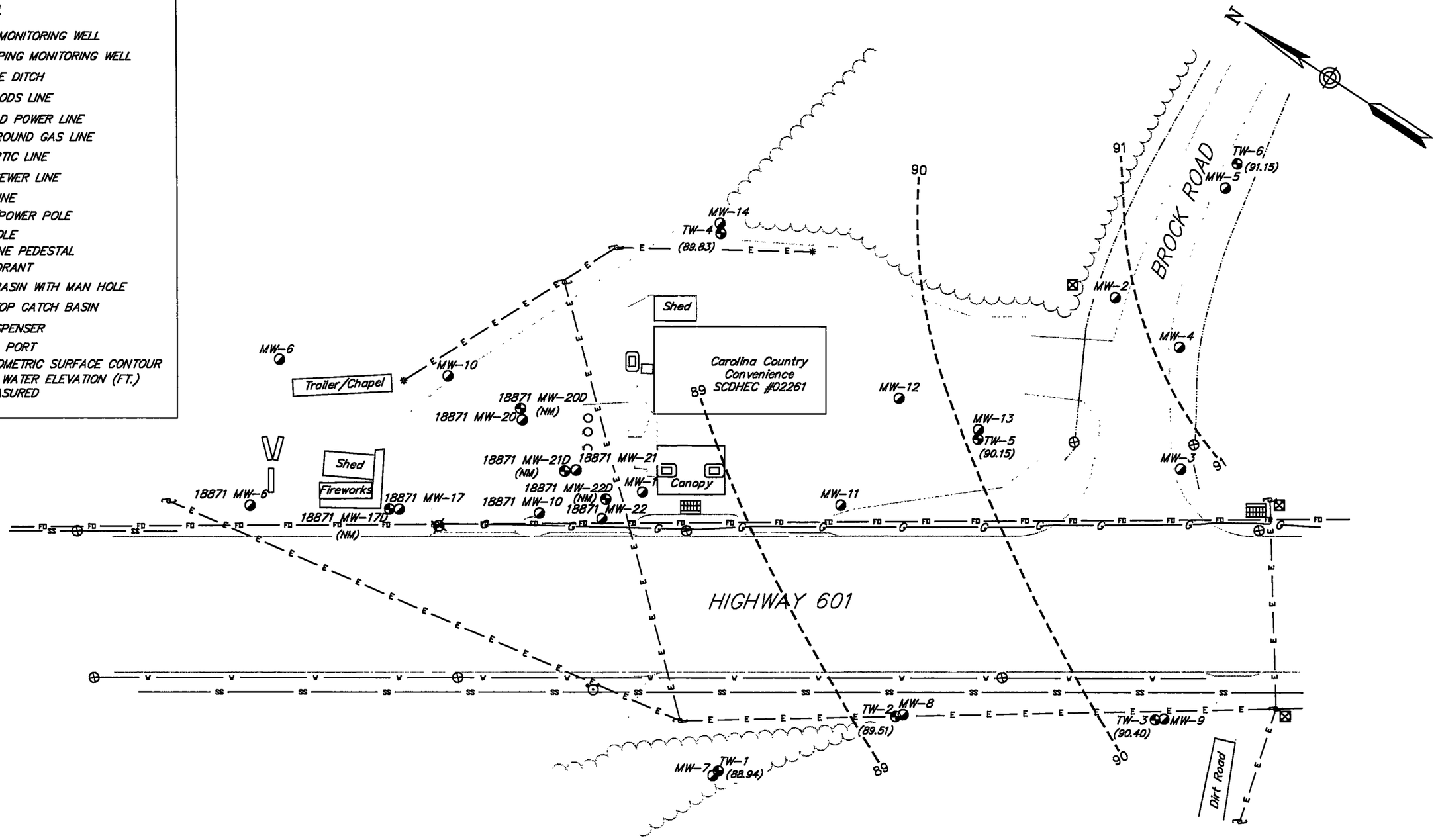
Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date:	05/19/15	Drawn by:	ECH	Figure:	4

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 89 — POTENTIOMETRIC SURFACE CONTOUR
- (88.94) — GROUND WATER ELEVATION (FT.)
- (NM) — NOT MEASURED



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

POTENTIOMETRIC SURFACE MAP – TELESCOPING WELLS (04/27/15)

Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date:	05/19/15	Drawn by:	ECH	Figure:	5

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

20,100	BENZENE
13,000	TOLUENE
1,380	ETHYLBENZENE
6,830	XYLENES
2,030	MTBE
640 J	NAPHTHALENE
683	1,2-DCA
113	EDB

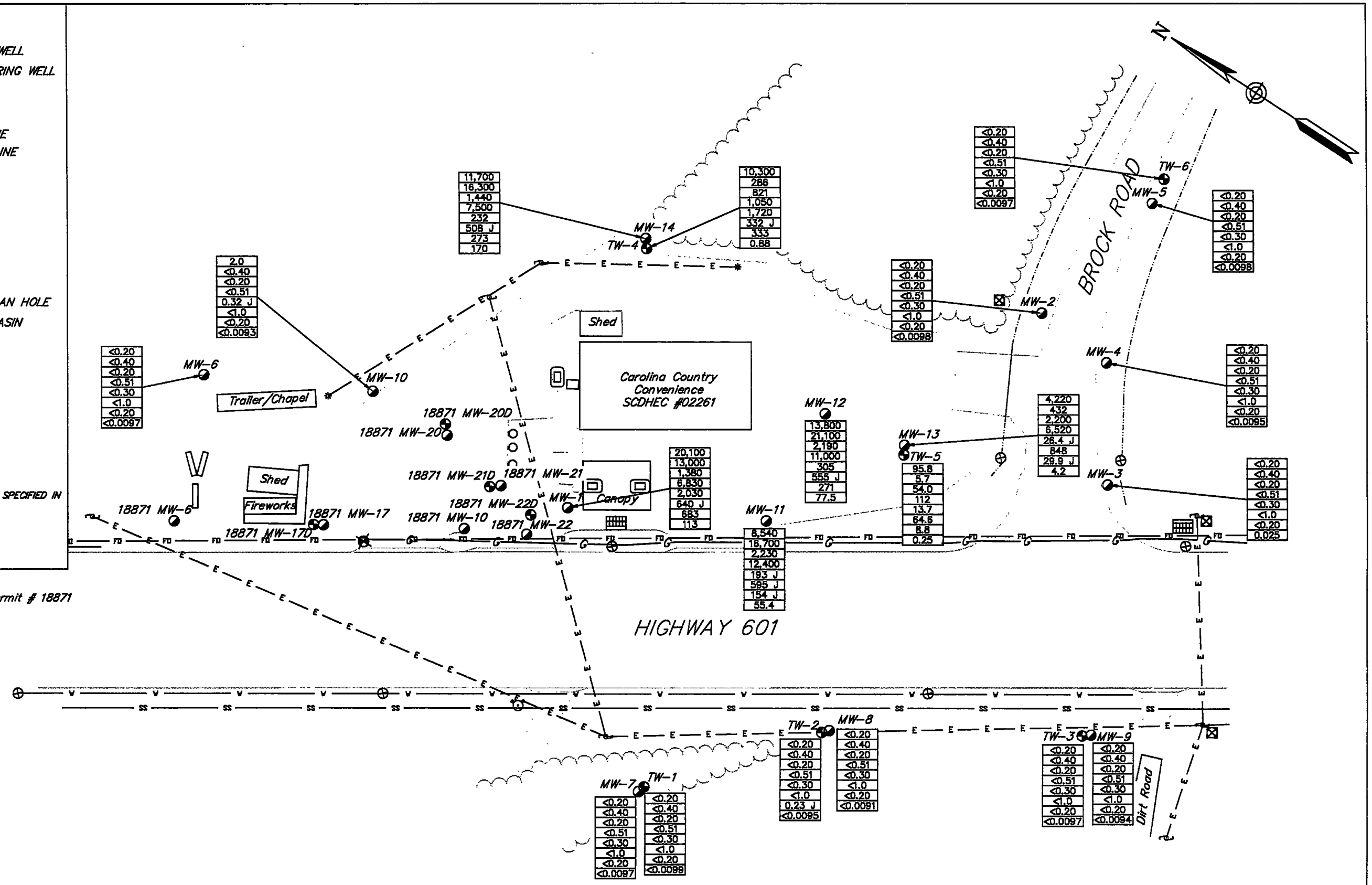
CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

(NS) NOT SAMPLED

Note:
None of the wells associated with UST Permit # 18871 were sampled on 04/27/15.



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP (04/27/15)

Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date:	05/19/15	Drawn by:	ECH	Figure:	6

TABLES

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-1	08/09/13	NM	---	12.39	---	---	35	25-35	
	11/18/14	101.09	---	23.88	---	77.21			
	04/27/15		---	10.91	---	90.18			
02261 MW-2	11/18/14	105.45	---	29.17	---	76.28	42	37-42	
	04/27/15		---	14.88	---	90.57			
02261 MW-3	11/18/14	102.34	---	25.80	---	76.54	42	37-42	
	04/27/15		---	11.45	---	90.89			
02261 MW-4	11/18/14	103.89	---	27.43	---	76.46	42	37-42	
	04/27/15		---	13.93	---	89.96			
02261 MW-5	11/18/14	109.60	---	33.30	---	76.30	42	37-42	
	04/27/15		---	20.20	---	89.40			
02261 MW-6	11/18/14	101.00	---	20.86	---	80.14	35	30-35	
	04/27/15		---	8.43	---	92.57			
02261 MW-7	11/18/14	96.55	---	20.60	---	75.95	30	25-30	
	04/27/15		---	7.17	---	89.38			
02261 MW-8	11/18/14	97.79	---	20.75	---	77.04	30	25-30	
	04/27/15		---	7.79	---	90.00			
02261 MW-9	11/18/14	101.45	---	25.04	---	76.41	30	25-30	
	04/27/15		---	11.09	---	90.36			
02261 MW-10	11/18/14	102.08	---	24.02	---	78.06	35	30-35	
	04/27/15		---	12.66	---	89.42			
02261 MW-11	11/18/14	101.41	---	24.63	---	76.78	35	30-35	
	04/27/15		---	13.60	---	87.81			
02261 MW-12	11/18/14	103.43	---	26.88	---	76.55	35	30-35	
	04/27/15		---	13.12	---	90.31			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-13	11/18/14	102.12	---	25.53	---	76.59	35	30-35	
	04/27/15		---	11.52	---	90.60			
02261 MW-14	11/18/14	104.11	---	27.80	---	76.31	35	30-35	
	04/27/15		---	15.93	---	88.18			
02261 TW-1	11/18/14	96.74	---	20.91	---	75.83	56	51-56	
	04/27/15		---	7.80	---	88.94			
02261 TW-2	11/18/14	97.63	---	21.72	---	75.91	56	51-56	
	04/27/15		---	8.12	---	89.51			
02261 TW-3	11/18/14	101.30	---	25.01	---	76.29	56	51-56	
	04/27/15		---	10.90	---	90.40			
02261 TW-4	11/18/14	104.00	---	27.44	---	76.56	61	56-61	
	04/27/15		---	14.17	---	89.83			
02261 TW-5	11/18/14	102.09	---	25.47	---	76.62	61	56-61	
	04/27/15		---	11.94	---	90.15			
02261 TW-6	04/27/15	110.32	---	19.17	---	91.15	68	63-68	
18871 MW-10	11/18/14	100.03	---	19.70	---	80.33	35	25-35	
18871 MW-20	11/18/14	101.77	---	23.18	---	78.59	35	25-35	
18871 MW-20D	11/18/14	101.93	---	27.53	---	74.40	60	55-60	
18871 MW-21	11/18/14	101.00	---	21.56	---	79.44	35	25-35	
18871 MW-21D	11/18/14	101.04	---	18.68	---	82.36	60	55-60	
18871 MW-22	11/18/14	100.24	---	23.16	---	77.08	35	25-35	
18871 MW-22D	11/18/14	100.55	---	23.81	---	76.74	60	55-60	

Notes:
- Elevations relative to temporary benchmark set at 100.00 ft ; data reported in feet.
- NM: Not measured.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		5	1,000	700	10,000	40	25	5	0.05	15
02261 MW-1	08/09/13	**19,000**	**7,150**	**1,700**	8,910	**2,360**	**469 J**	**794**	**104**	7.9
	11/19/14	**23,400**	**10,200**	**1,780**	9,590	**2,900**	**520 J**	**934**	**123**	6.5
	04/27/15	**20,100**	**13,000**	**1,380**	6,830	**2,030**	**640 J**	**683**	**113**	NR
02261 MW-1 DUP A	08/09/13	**19,700**	**7,910**	**1,710**	9,110	**2,440**	**494 J**	**820**	**107**	12.2
	11/19/14	**22,100**	**10,400**	**1,640**	9,020	**2,640**	**665 J**	**873**	**138**	**56.3**
	04/27/15	**18,900**	**13,100**	**1,310**	6,680	**2,010**	**449 J**	**617**	**131**	NR
02261 MW-2	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.046	**106**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
02261 MW-3	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.028	**49.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	0.025	NR
02261 MW-4	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.020	**48.9**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0095	NR
02261 MW-5	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
00261 MW-5 DUP B	04/27/15	<0.50	<1.0	<0.50	<1.3	<0.75	<2.5	<0.50	<0.0096	NR
02261 MW-6	11/18/14	<0.24	<0.20	<0.28	<0.66	0.67 J	<1.0	<0.24	<0.0096	7.1
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
02261 MW-7	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	5.9
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
02261 MW-8	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0091	NR
02261 MW-9	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	6.6
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-10	11/18/14	**9.3**	<0.20	<0.28	3.4	0.83 J	<1.0	0.34 J	<0.0094	9.9
	04/27/15	2.0	<0.40	<0.20	<0.51	0.32 J	<1.0	<0.20	<0.0093	NR
02261 MW-11	11/19/14	**18,100**	**6,040**	**2,590**	**12,900**	**671**	**569 J**	**530**	**44.9**	9.1
	04/27/15	**8,540**	**16,700**	**2,230**	**12,400**	**193 J**	**595 J**	**154 J**	**55.4**	NR
02261 MW-12	11/19/14	**14,400**	**19,800**	**2,230**	**12,400**	**356**	**494 J**	**308**	**81.6**	<5.0
	04/27/15	**13,800**	**21,100**	**2,190**	**11,000**	**305**	**555 J**	**271**	**77.5**	NR
02261 MW-13	11/19/14	**4,600**	478	**1,930**	6,420	**40.7 J**	**561**	**45.3 J**	**4.6**	**23.3**
	04/27/15	**4,220**	432	**2,200**	6,520	26.4 J	**848**	**29.9 J**	**4.2**	NR
02261 MW-14	11/19/14	**11,200**	**18,300**	**1,520**	8,560	**221**	**468 J**	**268**	**153**	<5.0
	04/27/15	**11,700**	**16,300**	**1,440**	7,500	**232**	**508 J**	**273**	**170**	NR
02261 MW-14 DUP B	11/19/14	**11,500**	**19,300**	**1,710**	9,230	**213**	**461 J**	**261**	**121**	7.5
02261 TW-1	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.045	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0099	NR
02261 TW-2	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	0.23 J	<0.0095	NR
02261 TW-3	11/20/14	<0.24	0.94 J	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	**58.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
02261 TW-4	11/19/14	**9,700**	168	698	720	**1,870**	**214 J**	**415**	**1.9**	**66.4**
	04/27/15	**10,300**	286	**821**	1,050	**1,720**	**332 J**	**333**	**0.88**	NR
02261 TW-5	11/19/14	**3,240**	654	**1,670**	5,840	**65.4**	**577**	**53.0**	**3.5**	**70.8**
	04/27/15	**95.8**	5.7	54.0	112	13.7	**64.6**	**8.8**	**0.25**	NR
02261 TW-6	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		5	1,000	700	10,000	40	25	5	0.05	15
18871 MW-10	11/19/14	**2,460**	13.0 J	546	1,490	**181**	**277**	**52.7**	**1.5**	**29.6**
18871 MW-20	11/18/14	**3,760**	24.2 J	**671**	3,420	**268**	**255**	**64.3**	**3.5**	**49.8**
18871 MW-20D	11/19/14	1.9	<0.20	<0.28	<0.66	15.2	<1.0	1.1	**0.057**	**34.8**
18871 MW-21	11/19/14	**16,300**	**21,000**	**1,710**	9,690	**3,670**	**360**	**676**	**85.5**	14.9
18871 MW-21D	11/19/14	**950**	613	42.1	225	**482**	**28.7 J**	**55.4**	**0.60**	<5.0
18871 MW-22	11/19/14	**1,490**	44.4	304	1,970	**41.2**	**181**	**24.5 J**	**4.5**	6.9
18871 MW-22D	11/19/14	**2,250**	63.2	519	771	**99.0**	**266**	**35.4**	**1.4**	**23.0**
PW-2	08/09/13	1.0	0.28 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0093	NR
	11/19/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
PW-3	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
TRIP BLK	08/09/13	<0.21	<0.20	<0.29	<0.50	<0.21	<1.0	<0.22	NR	NR
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	NR	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	NR	NR
FIELD BLK	08/09/13	<0.21	0.26 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0094	<5.0
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR

Notes:
- Analyses for BTEX, MTBE, naphthalene and 1, 2-DCA by EPA Method 8260B, EDB by Method 8011 and lead by EPA Method 3010/6010; results reported in µg/l.
- RBSL: May 2001 Risk Based Screening Level.
- Concentrations in bold face type exceeded the RBSL.
- <: Less than the report limit specified in the laboratory report.
- NS: Not sampled.
- NR: Analysis not requested.

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
02261 MW-1	11/19/14	<57	<950	<5,800	<50	**45,200**	<55	**28,500**	<1,000
	04/27/15	**8.1**	<2,500	<35	<0.20	**40,400**	**15.4**	**23,600**	<1,000
02261 MW-1 DUP A	11/19/14	<57	<950	<5,800	<50	**41,000**	<55	**26,000**	<1,000
	04/27/15	<50	<2,500	<8,800	<50	**36,500**	<55	**26,600**	<1,000
02261 MW-2	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-3	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-4	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-5	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-5 DUP B	04/27/15	<0.50	<25	<88	<0.50	<20	<0.55	<14	<10
02261 MW-6	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-7	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-8	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
02261 MW-9	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-10	11/18/14	<0.23	<3.8	<23	<0.20	**54.5**	<0.22	**12.3 J**	<4.0
	04/27/15	<0.20	<10	<35	<0.20	**21.9**	<0.22	**8.8 J**	<4.0
02261 MW-11	11/19/14	<45	<760	<4,600	<40	**88,000**	**106 J**	**6,100**	<810
	04/27/15	<40	<2,000	<7,000	<40	**17,500**	<44	<1,100	<800
02261 MW-12	11/19/14	<45	<760	<4,600	<40	**34,100**	<44	**3,420 J**	<810
	04/27/15	<50	<2,500	<8,800	<50	**34,500**	<55	<1,400	<1,000
02261 MW-13	11/19/14	<23	<380	<2,300	<20	**9,820**	<22	<880	<400
	04/27/15	<10	<500	<1,800	<10	**7,810**	<11	<270	<200
02261 MW-14	11/19/14	<45	<760	<4,600	<40	**23,600**	<44	**2,040 J**	<810
	04/27/15	<40	<2,000	<7,000	<40	**27,100**	**72.6 J**	<1,100	<800
02261 MW-14 DUP B	11/19/14	<45	<760	<4,600	<40	**21,900**	<44	**2,220 J**	<810
02261 TW-1	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 TW-2	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 TW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 TW-4	11/19/14	<23	<380	<2,300	<20	**12,400**	**65.1 J**	**2,580**	<400
	04/27/15	<20	<1,000	<3,500	<20	**11,600**	**79.0 J**	<540	<400
02261 TW-5	11/19/14	<11	<190	<1,200	<10	**9,690**	<11	**892 J**	<200
	04/27/15	<0.20	<10	<35	<0.20	**1,880**	**1.6 J**	**210**	<4.0
02261 TW-6	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
18871 MW-10	11/19/14	<11	<190	<1,200	<10	**2,200**	<11	**1,560**	<200
18871 MW-20	11/18/14	<11	<190	<1,200	<10	**3,480**	<11	**753 J**	<200
18871 MW-20D	11/19/14	<0.23	<3.8	<23	<0.20	**7.7 J**	**0.56 J**	**20.1**	<4.0
18871 MW-21	11/19/14	14.5	<3.8	<23	<0.20	**32,800**	<0.22	**34,500**	<4.0
18871 MW-21D	11/19/14	<4.5	<76	<460	<4.0	**6,020**	**6.2 J**	**3,470**	<81
18871 MW-22	11/19/14	<5.7	<95	<580	<5.0	**2,140**	<5.5	**473 J**	<100
18871 MW-22D	11/19/14	<0.45	<7.6	<46	<0.40	**4,200**	<0.44	**1,440**	<8.1
PW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
TRIP BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
FIELD BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0

Notes:

- Analyses for selected oxygenates by EPA Method 8260B; results reported in µg/l.
- <: Less than the report limit specified in the laboratory report.

APPENDICES

APPENDIX A

Water Well Record/Subsurface Log

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name: Carolina Country Convenience (last) (first)
Address: 1908 Hwy 601 N
City: Pageland State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Clarendon
Name: See Above
Street Address:
City: Zip:
Latitude: 34 46 04 Longitude: 80 24 23

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
ilt/clay	24	24
veathered rock	21	45
ock	23	68
02261 TW-6		
Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: INCIDENT # 02261

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 68 ft. Date Started: 4/23/15 Date Completed: 4/24/15

10. CASING: ☑ Threaded ☐ Welded
Diam.: _____
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 63 ft. depth
5 in. to 47 ft. depth
Height: Above /Below Surface .25 ft.
Weight Sch 40 lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5
Set Between: 63 ft. and 68 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 39 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 61 ft. to 68 ft.
Effective size medium Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 59 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date Installed: NA Not Installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Michael Ransier CERT. NO.: 1152A
Address: (Print) 1 Piney Pt Whispering Pines, NC 28327
Level: A B C D (circle one)
Telephone No.: 910-690-6688 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Michael Ransier Well Driller Date: 4/24/15

If D Level Driller, provide supervising driller's name:

EC 603 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	TW-6	Date Drilled	04/23/15 & 04/24/15
Sample Method	NA	Drilling Method	Air Rotary 8 7/8" & 4 1/2" OD Rod
Completion Details	5" PVC outer casing 0-47'. 2" inner casing 0-63', 2" PVC SCH 40 (0.010) Slotted Screen 63'-68'		
Driller	REDI - Mike Ransler	Log By	Corey Buchanan

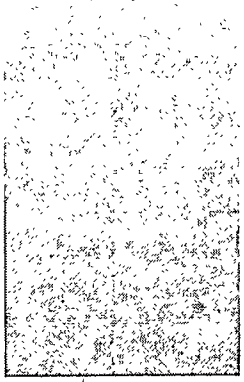
Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0-47' Red silty CLAY mottled with yellow and white
4						
8						
12						
16						
20						
24						
28						
32						
36						
40						
44						47'-68' Brown silty CLAY
48						
52						
56						
60						
64						
68						Well set @ 68'
72						

APPENDIX B

Laboratory Analytical Report – Ground Water Samples

Southeast
ACCUTEST
LABORATORIES

Reissue #1
05/14/15



Technical Report for

GRI (Geological Resources Inc.)

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

02261

Accutest Job Number: FA23936

Sampling Date: 04/27/15

Report to:

GRI

wsb@geologicalresourcesinc.com
carriekennedy@geologicalresourcesinc.com; jjr@geologicalresourcesinc.com; nml@geo
ATTN: Scott Ball

Total number of pages in report: 94

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Muna Mohammed 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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ACCUTEST
LABORATORIES

May 14, 2015

Ms. Johanna Teschner
Geological Resources Inc
2301 F. Crown Point EX Dr
Charlotte, NC 28207

RE: Accutest job FA23936 Reissue

Dear Ms. Teschner,

The final report for job number FA23936 has been edited to reflect requested corrections. These edits have been incorporated into the revised report.

TAA has been reported for sample TW-5.

Accutest apologies for any inconvenience this may have caused. Please feel free to contact us if we can be of further assistance.

Sincerely,

Accutest Laboratories, SE

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Sample Summary

GRI (Geological Resources Inc.)

Job No: FA23936

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Project No: 02261

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA23936-1	04/27/15	10:36	DBAR	04/29/15	AQ	Ground Water	02261 MW-1
FA23936-2	04/27/15	12:26	DBAR	04/29/15	AQ	Ground Water	02261 MW-2
FA23936-3	04/27/15	13:57	DBAR	04/29/15	AQ	Ground Water	02261 MW-3
FA23936-4	04/27/15	14:22	DBAR	04/29/15	AQ	Ground Water	02261 MW-4
FA23936-5	04/27/15	14:46	DBAR	04/29/15	AQ	Ground Water	02261 MW-5
FA23936-6	04/27/15	09:58	DBAR	04/29/15	AQ	Ground Water	02261 MW-6
FA23936-7	04/27/15	15:37	DBAR	04/29/15	AQ	Ground Water	02261 MW-7
FA23936-8	04/27/15	15:58	DBAR	04/29/15	AQ	Ground Water	02261 MW-8
FA23936-9	04/27/15	16:26	DBAR	04/29/15	AQ	Ground Water	02261 MW-9
FA23936-10	04/27/15	10:14	DBAR	04/29/15	AQ	Ground Water	02261 MW-10
FA23936-11	04/27/15	11:08	DBAR	04/29/15	AQ	Ground Water	02261 MW-11
FA23936-12	04/27/15	11:05	DBAR	04/29/15	AQ	Ground Water	02261 MW-12
FA23936-13	04/27/15	12:23	DBAR	04/29/15	AQ	Ground Water	02261 MW-13

Sample Summary
(continued)

GRI (Geological Resources Inc.)

Job No: FA23936

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Project No: 02261

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA23936-14	04/27/15	10:41	DBAR	04/29/15	AQ	Ground Water	02261 MW-14
FA23936-15	04/27/15	00:00	DBAR	04/29/15	AQ	Ground Water	02261 DUP A
FA23936-16	04/27/15	00:00	DBAR	04/29/15	AQ	Ground Water	02261 DUP B
FA23936-17	04/27/15	16:39	DBAR	04/29/15	AQ	Ground Water	02261 PW-3
FA23936-18	04/27/15	16:31	DBAR	04/29/15	AQ	Field Blank Water	02261 FIELD BLANK
FA23936-19	04/27/15	00:00	DBAR	04/29/15	AQ	Trip Blank Water	02261 TRIP BLANK
FA23936-20	04/27/15	15:41	DBAR	04/29/15	AQ	Ground Water	02261 TW-1
FA23936-21	04/27/15	16:07	DBAR	04/29/15	AQ	Ground Water	02261 TW-2
FA23936-22	04/27/15	16:23	DBAR	04/29/15	AQ	Ground Water	02261 TW-3
FA23936-23	04/27/15	11:51	DBAR	04/29/15	AQ	Ground Water	02261 TW-4
FA23936-24	04/27/15	11:45	DBAR	04/29/15	AQ	Ground Water	02261 TW-5
FA23936-25	04/27/15	14:25	DBAR	04/29/15	AQ	Ground Water	02261 TW-6

Summary of Hits

Job Number: FA23936
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 04/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA23936-1	02261 MW-1					
Benzene		20100	250	50	ug/l	SW846 8260B
Toluene		13000	250	100	ug/l	SW846 8260B
Ethylbenzene		1380	250	50	ug/l	SW846 8260B
Xylene (total)		6830	750	130	ug/l	SW846 8260B
Methyl Tert Butyl Ether		2030	250	75	ug/l	SW846 8260B
Naphthalene		640 J	1300	250	ug/l	SW846 8260B
1,2-Dichloroethane		683	250	50	ug/l	SW846 8260B
Di-Isopropyl Ether		8.1	1.0	0.20	ug/l	SW846 8260B
Tert-Amyl Alcohol		40400	5000	2000	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		15.4	2.0	0.22	ug/l	SW846 8260B
Tert-Butyl Alcohol		23600	5000	1400	ug/l	SW846 8260B
1,2-Dibromoethane [a]		113	7.6	3.8	ug/l	SW846 8011
FA23936-2	02261 MW-2					
No hits reported in this sample.						
FA23936-3	02261 MW-3					
1,2-Dibromoethane [a]		0.025	0.019	0.0096	ug/l	SW846 8011
FA23936-4	02261 MW-4					
No hits reported in this sample.						
FA23936-5	02261 MW-5					
No hits reported in this sample.						
FA23936-6	02261 MW-6					
No hits reported in this sample.						
FA23936-7	02261 MW-7					
No hits reported in this sample.						
FA23936-8	02261 MW-8					
No hits reported in this sample.						

Summary of Hits

Job Number: FA23936
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 04/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA23936-9	02261 MW-9					
No hits reported in this sample.						
FA23936-10	02261 MW-10					
Benzene		2.0	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether		0.32 J	1.0	0.30	ug/l	SW846 8260B
Tert-Amyl Alcohol		21.9	20	8.1	ug/l	SW846 8260B
Tert-Butyl Alcohol		8.8 J	20	5.4	ug/l	SW846 8260B
FA23936-11	02261 MW-11					
Benzene		8540	200	40	ug/l	SW846 8260B
Toluene		16700	200	80	ug/l	SW846 8260B
Ethylbenzene		2230	200	40	ug/l	SW846 8260B
Xylene (total)		12400	600	100	ug/l	SW846 8260B
Methyl Tert Butyl Ether		193 J	200	60	ug/l	SW846 8260B
Naphthalene		595 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		154 J	200	40	ug/l	SW846 8260B
Tert-Amyl Alcohol		17500	4000	1600	ug/l	SW846 8260B
1,2-Dibromoethane [a]		55.4	1.9	0.97	ug/l	SW846 8011
FA23936-12	02261 MW-12					
Benzene		13800	250	50	ug/l	SW846 8260B
Toluene		21100	250	100	ug/l	SW846 8260B
Ethylbenzene		2190	250	50	ug/l	SW846 8260B
Xylene (total)		11000	750	130	ug/l	SW846 8260B
Methyl Tert Butyl Ether		305	250	75	ug/l	SW846 8260B
Naphthalene		555 J	1300	250	ug/l	SW846 8260B
1,2-Dichloroethane		271	250	50	ug/l	SW846 8260B
Tert-Amyl Alcohol		34500	5000	2000	ug/l	SW846 8260B
1,2-Dibromoethane [a]		77.5	1.9	0.97	ug/l	SW846 8011
FA23936-13	02261 MW-13					
Benzene		4220	50	10	ug/l	SW846 8260B
Toluene		432	50	20	ug/l	SW846 8260B
Ethylbenzene		2200	50	10	ug/l	SW846 8260B
Xylene (total)		6520	150	26	ug/l	SW846 8260B
Methyl Tert Butyl Ether		26.4 J	50	15	ug/l	SW846 8260B
Naphthalene		848	250	50	ug/l	SW846 8260B
1,2-Dichloroethane		29.9 J	50	10	ug/l	SW846 8260B
Tert-Amyl Alcohol		7810	1000	400	ug/l	SW846 8260B

Summary of Hits

Job Number: FA23936
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 04/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,2-Dibromoethane [a]		4.2	0.38	0.19	ug/l	SW846 8011
FA23936-14	02261 MW-14					
Benzene		11700	200	40	ug/l	SW846 8260B
Toluene		16300	200	80	ug/l	SW846 8260B
Ethylbenzene		1440	200	40	ug/l	SW846 8260B
Xylene (total)		7500	600	100	ug/l	SW846 8260B
Methyl Tert Butyl Ether		232	200	60	ug/l	SW846 8260B
Naphthalene		508 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		273	200	40	ug/l	SW846 8260B
Tert-Amyl Alcohol		27100	4000	1600	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		72.6 J	400	44	ug/l	SW846 8260B
1,2-Dibromoethane [a]		170	7.7	3.8	ug/l	SW846 8011
FA23936-15	02261 DUP A					
Benzene		18900	250	50	ug/l	SW846 8260B
Toluene		13100	250	100	ug/l	SW846 8260B
Ethylbenzene		1310	250	50	ug/l	SW846 8260B
Xylene (total)		6680	750	130	ug/l	SW846 8260B
Methyl Tert Butyl Ether		2010	250	75	ug/l	SW846 8260B
Naphthalene		449 J	1300	250	ug/l	SW846 8260B
1,2-Dichloroethane		617	250	50	ug/l	SW846 8260B
Tert-Amyl Alcohol		36500	5000	2000	ug/l	SW846 8260B
Tert-Butyl Alcohol		26600	5000	1400	ug/l	SW846 8260B
1,2-Dibromoethane [a]		131	7.7	3.8	ug/l	SW846 8011
FA23936-16	02261 DUP B					
No hits reported in this sample.						
FA23936-17	02261 PW-3					
No hits reported in this sample.						
FA23936-18	02261 FIELD BLANK					
No hits reported in this sample.						
FA23936-19	02261 TRIP BLANK					
No hits reported in this sample.						

2

Summary of Hits

Job Number: FA23936
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 04/27/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA23936-20	02261 TW-1					
No hits reported in this sample.						
FA23936-21	02261 TW-2					
1,2-Dichloroethane		0.23 J	1.0	0.20	ug/l	SW846 8260B
FA23936-22	02261 TW-3					
No hits reported in this sample.						
FA23936-23	02261 TW-4					
Benzene		10300	250	50	ug/l	SW846 8260B
Toluene		286	100	40	ug/l	SW846 8260B
Ethylbenzene		821	100	20	ug/l	SW846 8260B
Xylene (total)		1050	300	51	ug/l	SW846 8260B
Methyl Tert Butyl Ether		1720	100	30	ug/l	SW846 8260B
Naphthalene		332 J	500	100	ug/l	SW846 8260B
1,2-Dichloroethane		333	100	20	ug/l	SW846 8260B
Tert-Amyl Alcohol		11600	2000	810	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		79.0 J	200	22	ug/l	SW846 8260B
1,2-Dibromoethane [a]		0.88	0.019	0.0096	ug/l	SW846 8011
FA23936-24	02261 TW-5					
Benzene		95.8	1.0	0.20	ug/l	SW846 8260B
Toluene		5.7	1.0	0.40	ug/l	SW846 8260B
Ethylbenzene		54.0	1.0	0.20	ug/l	SW846 8260B
Xylene (total)		112	3.0	0.51	ug/l	SW846 8260B
Methyl Tert Butyl Ether		13.7	1.0	0.30	ug/l	SW846 8260B
Naphthalene		64.6	5.0	1.0	ug/l	SW846 8260B
1,2-Dichloroethane		8.8	1.0	0.20	ug/l	SW846 8260B
Tert-Amyl Alcohol [b]		1880 E	20	8.1	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		1.6 J	2.0	0.22	ug/l	SW846 8260B
Tert-Butyl Alcohol		210	20	5.4	ug/l	SW846 8260B
1,2-Dibromoethane [a]		0.25	0.019	0.0093	ug/l	SW846 8011
FA23936-25	02261 TW-6					
No hits reported in this sample.						

(a) All hits confirmed by dual column analysis.
(b) No sample available for reanalysis.

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Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

3.1

Client Sample ID:	02261 MW-1		
Lab Sample ID:	FA23936-1	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0107042.D	1	05/06/15	EP	n/a	n/a	VC4279
Run #2	J0965944.D	250	05/05/15	MM	n/a	n/a	VJ4971

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	20100 [a]	250	50	ug/l	
108-88-3	Toluene	13000 [a]	250	100	ug/l	
100-41-4	Ethylbenzene	1380 [a]	250	50	ug/l	
1330-20-7	Xylene (total)	6830 [a]	750	130	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2030 [a]	250	75	ug/l	
91-20-3	Naphthalene	640 [a]	1300	250	ug/l	J
107-06-2	1,2-Dichloroethane	683 [a]	250	50	ug/l	
108-20-3	Di-Isopropyl Ether	8.1	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND [a]	13000	2500	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	40400 [a]	5000	2000	ug/l	
994-05-8	Tert-Amyl Methyl Ether	15.4	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	23600 [a]	5000	1400	ug/l	
762-75-4	Tert-Butyl Formate	ND [a]	5000	1000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	97%	79-125%
2037-26-5	Toluene-D8	90%	103%	85-112%
460-00-4	4-Bromofluorobenzene	99%	96%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-1		
Lab Sample ID:	FA23936-1	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81972.D	400	05/04/15	NG	05/01/15	OP55947	GDD2420
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	113	7.6	3.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2

Client Sample ID:	02261 MW-2		
Lab Sample ID:	FA23936-2	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965945.D	1	05/05/15	MM	n/a	n/a	VJ4971
Run #2	C0107043.D	1	05/06/15	EP	n/a	n/a	VC4279

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	91%	79-125%
2037-26-5	Toluene-D8	102%	94%	85-112%
460-00-4	4-Bromofluorobenzene	97%	104%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.2

Client Sample ID:	02261 MW-2		
Lab Sample ID:	FA23936-2	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81917.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	35.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.3

Client Sample ID:	02261 MW-3		
Lab Sample ID:	FA23936-3	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965946.D	1	05/05/15	MM	n/a	n/a	VJ4971
Run #2	C0107044.D	1	05/06/15	EP	n/a	n/a	VC4279

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	92%	79-125%
2037-26-5	Toluene-D8	104%	96%	85-112%
460-00-4	4-Bromofluorobenzene	97%	102%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-3		
Lab Sample ID:	FA23936-3	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81919.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.025	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	75%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-4		
Lab Sample ID:	FA23936-4	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965947.D	1	05/05/15	MM	n/a	n/a	VJ4971
Run #2	C0107045.D	1	05/06/15	EP	n/a	n/a	VC4279

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	94%	79-125%
2037-26-5	Toluene-D8	102%	96%	85-112%
460-00-4	4-Bromofluorobenzene	97%	102%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.4

Client Sample ID:	02261 MW-4		
Lab Sample ID:	FA23936-4	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81920.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	63%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.5

Client Sample ID:	02261 MW-5		
Lab Sample ID:	FA23936-5	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965948.D	1	05/05/15	MM	n/a	n/a	VJ4971
Run #2	C0107046.D	1	05/06/15	EP	n/a	n/a	VC4279

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	96%	79-125%
2037-26-5	Toluene-D8	103%	95%	85-112%
460-00-4	4-Bromofluorobenzene	97%	106%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.5

Client Sample ID:	02261 MW-5		
Lab Sample ID:	FA23936-5	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81921.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	35.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.6

Client Sample ID:	02261 MW-6		
Lab Sample ID:	FA23936-6	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965949.D	1	05/05/15	MM	n/a	n/a	VJ4971
Run #2	C0107047.D	1	05/06/15	EP	n/a	n/a	VC4279

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	98%	79-125%
2037-26-5	Toluene-D8	100%	95%	85-112%
460-00-4	4-Bromofluorobenzene	98%	103%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.6

Client Sample ID:	02261 MW-6		
Lab Sample ID:	FA23936-6	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81924.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	87%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-7		
Lab Sample ID:	FA23936-7	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965950.D	1	05/05/15	MM	n/a	n/a	VJ4971
Run #2	C0107048.D	1	05/06/15	EP	n/a	n/a	VC4279

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	105%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	102%	79-125%
2037-26-5	Toluene-D8	102%	96%	85-112%
460-00-4	4-Bromofluorobenzene	96%	102%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.7

Client Sample ID:	02261 MW-7		
Lab Sample ID:	FA23936-7	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81925.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	71%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.8

Client Sample ID:	02261 MW-8		
Lab Sample ID:	FA23936-8	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965951.D	1	05/05/15	MM	n/a	n/a	VJ4971
Run #2	C0107049.D	1	05/06/15	EP	n/a	n/a	VC4279

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	87%	107%	79-125%
2037-26-5	Toluene-D8	103%	97%	85-112%
460-00-4	4-Bromofluorobenzene	93%	102%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-8		
Lab Sample ID:	FA23936-8	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81966.D	1	05/04/15	NG	05/01/15	OP55947	GDD2420
Run #2							

	Initial Volume	Final Volume
Run #1	38.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.018	0.0091	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-9		
Lab Sample ID:	FA23936-9	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965970.D	1	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107055.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	114%	79-125%
2037-26-5	Toluene-D8	106%	96%	85-112%
460-00-4	4-Bromofluorobenzene	104%	103%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.9

Client Sample ID:	02261 MW-9		
Lab Sample ID:	FA23936-9	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81927.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	37.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	83%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-10		
Lab Sample ID:	FA23936-10	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965971.D	1	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107056.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.0	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.32	1.0	0.30	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	21.9	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	8.8	20	5.4	ug/l	J
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	109%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	117%	79-125%
2037-26-5	Toluene-D8	105%	97%	85-112%
460-00-4	4-Bromofluorobenzene	106%	100%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.10 S

Client Sample ID:	02261 MW-10		
Lab Sample ID:	FA23936-10	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81928.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	37.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-11		
Lab Sample ID:	FA23936-11	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965972.D	200	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107061.D	200	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	8540	200	40	ug/l	
108-88-3	Toluene	16700 [a]	200	80	ug/l	
100-41-4	Ethylbenzene	2230	200	40	ug/l	
1330-20-7	Xylene (total)	12400	600	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	193	200	60	ug/l	J
91-20-3	Naphthalene	595	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	154	200	40	ug/l	J
108-20-3	Di-Isopropyl Ether	ND	200	40	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	20000	7000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	40	ug/l	
75-85-4	Tert-Amyl Alcohol	17500	4000	1600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND [a]	400	44	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	4000	1100	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	800	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	112%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	119%	79-125%
2037-26-5	Toluene-D8	105%	97%	85-112%
460-00-4	4-Bromofluorobenzene	106%	100%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-11		
Lab Sample ID:	FA23936-11	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81967.D	100	05/04/15	NG	05/01/15	OP55947	GDD2420
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	55.4	1.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-12		
Lab Sample ID:	FA23936-12	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965973.D	250	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107063.D	250	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	13800	250	50	ug/l	
108-88-3	Toluene	21100	250	100	ug/l	
100-41-4	Ethylbenzene	2190	250	50	ug/l	
1330-20-7	Xylene (total)	11000	750	130	ug/l	
1634-04-4	Methyl Tert Butyl Ether	305	250	75	ug/l	
91-20-3	Naphthalene	555	1300	250	ug/l	J
107-06-2	1,2-Dichloroethane	271	250	50	ug/l	
108-20-3	Di-Isopropyl Ether	ND	250	50	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	13000	2500	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	25000	8800	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	500	50	ug/l	
75-85-4	Tert-Amyl Alcohol	34500	5000	2000	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	500	55	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	5000	1400	ug/l	
762-75-4	Tert-Butyl Formate	ND	5000	1000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	111%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	121%	79-125%
2037-26-5	Toluene-D8	103%	97%	85-112%
460-00-4	4-Bromofluorobenzene	106%	101%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-12		
Lab Sample ID:	FA23936-12	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81968.D	100	05/04/15	NG	05/01/15	OP55947	GDD2420
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	77.5	1.9	0.97	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-13		
Lab Sample ID:	FA23936-13	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0966002.D	50	05/07/15	MM	n/a	n/a	VJ4973
Run #2	C0107064.D	50	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4220	50	10	ug/l	
108-88-3	Toluene	432	50	20	ug/l	
100-41-4	Ethylbenzene	2200	50	10	ug/l	
1330-20-7	Xylene (total)	6520	150	26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	26.4	50	15	ug/l	J
91-20-3	Naphthalene	848	250	50	ug/l	
107-06-2	1,2-Dichloroethane	29.9	50	10	ug/l	J
108-20-3	Di-Isopropyl Ether	ND	50	10	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	2500	500	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	5000	1800	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	100	10	ug/l	
75-85-4	Tert-Amyl Alcohol	7810	1000	400	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	100	11	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	1000	270	ug/l	
762-75-4	Tert-Butyl Formate	ND	1000	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	111%	83-118%
17060-07-0	1,2-Dichloroethane-D4	86%	119%	79-125%
2037-26-5	Toluene-D8	100%	97%	85-112%
460-00-4	4-Bromofluorobenzene	93%	98%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-13		
Lab Sample ID:	FA23936-13	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81969.D	20	05/04/15	NG	05/01/15	OP55947	GDD2420
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	4.2	0.38	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-14		
Lab Sample ID:	FA23936-14	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965975.D	200	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107065.D	200	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	11700	200	40	ug/l	
108-88-3	Toluene	16300 [a]	200	80	ug/l	
100-41-4	Ethylbenzene	1440	200	40	ug/l	
1330-20-7	Xylene (total)	7500	600	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	232	200	60	ug/l	
91-20-3	Naphthalene	508	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	273	200	40	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	40	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	20000	7000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	40	ug/l	
75-85-4	Tert-Amyl Alcohol	27100	4000	1600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	72.6	400	44	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	4000	1100	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	800	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	114%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	119%	79-125%
2037-26-5	Toluene-D8	104%	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	100%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	02261 MW-14		
Lab Sample ID:	FA23936-14	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81976.D	400	05/04/15	NG	05/01/15	OP55947	GDD2420
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	170	7.7	3.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 DUP A		
Lab Sample ID:	FA23936-15	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965976.D	250	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107067.D	250	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	18900	250	50	ug/l	
108-88-3	Toluene	13100	250	100	ug/l	
100-41-4	Ethylbenzene	1310	250	50	ug/l	
1330-20-7	Xylene (total)	6680	750	130	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2010	250	75	ug/l	
91-20-3	Naphthalene	449	1300	250	ug/l	J
107-06-2	1,2-Dichloroethane	617	250	50	ug/l	
108-20-3	Di-Isopropyl Ether	ND	250	50	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	13000	2500	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	25000	8800	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	500	50	ug/l	
75-85-4	Tert-Amyl Alcohol	36500	5000	2000	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	500	55	ug/l	
75-65-0	Tert-Butyl Alcohol	26600	5000	1400	ug/l	
762-75-4	Tert-Butyl Formate	ND	5000	1000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	110%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	119%	79-125%
2037-26-5	Toluene-D8	105%	96%	85-112%
460-00-4	4-Bromofluorobenzene	102%	101%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 DUP A		
Lab Sample ID:	FA23936-15	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81977.D	400	05/04/15	NG	05/01/15	OP55947	GDD2420
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	131	7.7	3.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 DUP B		
Lab Sample ID:	FA23936-16	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0966003.D	2.5	05/07/15	MM	n/a	n/a	VJ4973
Run #2	C0107068.D	2.5	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	2.5	0.50	ug/l	
108-88-3	Toluene	ND	2.5	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.5	0.50	ug/l	
1330-20-7	Xylene (total)	ND	7.5	1.3	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	0.75	ug/l	
91-20-3	Naphthalene	ND	13	2.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.5	0.50	ug/l	
108-20-3	Di-Isopropyl Ether	ND	2.5	0.50	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	130	25	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	250	88	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	5.0	0.50	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	50	20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	5.0	0.55	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	50	14	ug/l	
762-75-4	Tert-Butyl Formate	ND	50	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	113%	83-118%
17060-07-0	1,2-Dichloroethane-D4	88%	124%	79-125%
2037-26-5	Toluene-D8	103%	95%	85-112%
460-00-4	4-Bromofluorobenzene	93%	101%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 DUP B		
Lab Sample ID:	FA23936-16	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81936.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	76%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 PW-3		
Lab Sample ID:	FA23936-17	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965978.D	1	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107057.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	110%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	118%	79-125%
2037-26-5	Toluene-D8	105%	96%	85-112%
460-00-4	4-Bromofluorobenzene	100%	101%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.17

Client Sample ID:	02261 PW-3		
Lab Sample ID:	FA23936-17	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81937.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	37.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 FIELD BLANK		
Lab Sample ID:	FA23936-18	Date Sampled:	04/27/15
Matrix:	AQ - Field Blank Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965979.D	1	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107058.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	110%	83-118%
17060-07-0	1,2-Dichloroethane-D4	90%	119%	79-125%
2037-26-5	Toluene-D8	104%	96%	85-112%
460-00-4	4-Bromofluorobenzene	99%	103%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	02261 FIELD BLANK		
Lab Sample ID:	FA23936-18	Date Sampled:	04/27/15
Matrix:	AQ - Field Blank Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81938.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 TRIP BLANK		
Lab Sample ID:	FA23936-19	Date Sampled:	04/27/15
Matrix:	AQ - Trip Blank Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965980.D	1	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107059.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	110%	83-118%
17060-07-0	1,2-Dichloroethane-D4	90%	123%	79-125%
2037-26-5	Toluene-D8	105%	95%	85-112%
460-00-4	4-Bromofluorobenzene	99%	99%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 TW-1		
Lab Sample ID:	FA23936-20	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965981.D	1	05/06/15	MM	n/a	n/a	VJ4972
Run #2	C0107060.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	113%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	122%	79-125%
2037-26-5	Toluene-D8	104%	98%	85-112%
460-00-4	4-Bromofluorobenzene	97%	102%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.20

Client Sample ID:	02261 TW-1		
Lab Sample ID:	FA23936-20	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81939.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	35.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0099	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 TW-2		
Lab Sample ID:	FA23936-21	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965993.D	1	05/07/15	MM	n/a	n/a	VJ4973
Run #2	C0107072.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	0.23	1.0	0.20	ug/l	J
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	119% [b]	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	123%	79-125%
2037-26-5	Toluene-D8	105%	98%	85-112%
460-00-4	4-Bromofluorobenzene	103%	97%	83-118%

(a) Result is from Run# 2
(b) Outside control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.21

Client Sample ID:	02261 TW-2		
Lab Sample ID:	FA23936-21	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81940.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	37.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	02261 TW-3		
Lab Sample ID:	FA23936-22	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965994.D	1	05/07/15	MM	n/a	n/a	VJ4973
Run #2	C0107071.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	113%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	121%	79-125%
2037-26-5	Toluene-D8	107%	97%	85-112%
460-00-4	4-Bromofluorobenzene	101%	103%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.22

Client Sample ID:	02261 TW-3		
Lab Sample ID:	FA23936-22	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81943.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 TW-4		
Lab Sample ID:	FA23936-23	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0966025.D	100	05/08/15	WV	n/a	n/a	VJ4974
Run #2	C0107075.D	100	05/07/15	EP	n/a	n/a	VC4280
Run #3	J0965995.D	250	05/07/15	MM	n/a	n/a	VJ4973

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	10300 [a]	250	50	ug/l	
108-88-3	Toluene	286	100	40	ug/l	
100-41-4	Ethylbenzene	821	100	20	ug/l	
1330-20-7	Xylene (total)	1050	300	51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1720	100	30	ug/l	
91-20-3	Naphthalene	332	500	100	ug/l	J
107-06-2	1,2-Dichloroethane	333	100	20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	100	20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	5000	1000	ug/l	
64-17-5	Ethyl Alcohol	ND [b]	10000	3500	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	200	20	ug/l	
75-85-4	Tert-Amyl Alcohol	11600	2000	810	ug/l	
994-05-8	Tert-Amyl Methyl Ether	79.0	200	22	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	2000	540	ug/l	
762-75-4	Tert-Butyl Formate	ND	2000	400	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	92%	109%	93%	83-118%
17060-07-0	1,2-Dichloroethane-D4	87%	102%	90%	79-125%
2037-26-5	Toluene-D8	104%	95%	106%	85-112%
460-00-4	4-Bromofluorobenzene	97%	100%	100%	83-118%

(a) Result is from Run# 3
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

3.23

Client Sample ID:	02261 TW-4		
Lab Sample ID:	FA23936-23	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81944.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.88	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	74%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 TW-5		
Lab Sample ID:	FA23936-24	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0107074.D	1	05/07/15	EP	n/a	n/a	VC4280
Run #2 [a]	J0966027.D	1	05/08/15	WV	n/a	n/a	VJ4974

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	95.8	1.0	0.20	ug/l	
108-88-3	Toluene	5.7	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	54.0	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	112	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	13.7	1.0	0.30	ug/l	
91-20-3	Naphthalene	64.6	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	8.8	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND [b]	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol [c]	1880	20	8.1	ug/l	E
994-05-8	Tert-Amyl Methyl Ether	1.6	2.0	0.22	ug/l	J
75-65-0	Tert-Butyl Alcohol	210	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND [b]	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%	93%	83-118%
17060-07-0	1,2-Dichloroethane-D4	122%	87%	79-125%
2037-26-5	Toluene-D8	92%	98%	85-112%
460-00-4	4-Bromofluorobenzene	99%	86%	83-118%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Result is from Run# 2
(c) No sample available for reanalysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-5		
Lab Sample ID:	FA23936-24	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD81945.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	37.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.25	0.019	0.0093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	64%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.25

Client Sample ID:	02261 TW-6		
Lab Sample ID:	FA23936-25	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0965997.D	1	05/07/15	MM	n/a	n/a	VJ4973
Run #2	C0107073.D	1	05/07/15	EP	n/a	n/a	VC4280

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND[a]	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	116%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	123%	79-125%
2037-26-5	Toluene-D8	104%	96%	85-112%
460-00-4	4-Bromofluorobenzene	101%	101%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

3.25

Client Sample ID:	02261 TW-6		
Lab Sample ID:	FA23936-25	Date Sampled:	04/27/15
Matrix:	AQ - Ground Water	Date Received:	04/29/15
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD81948.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419
Run #2							

	Initial Volume	Final Volume
Run #1	36.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	69%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
3,3-Dimethyl-1-Butanol	624-95-3	SW846 8260B	AQ	Certified by SOP MS005
Di-Isopropyl Ether	108-20-3	SW846 8260B	AQ	Certified by SOP MS005
Tert-Amyl Alcohol	75-85-4	SW846 8260B	AQ	Certified by SOP MS005
Tert-Butyl Formate	762-75-4	SW846 8260B	AQ	Certified by SOP MS005

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES
4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA23936 PAGE 1 OF 3

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: G.R.I.
Address: 3502 Hayes Rd
City: Monroe State: NC Zip: 28110
Project Contact: Scott Ball E-mail: wsb@geological
Phone#: 704-845-4010
Sampler(s) Name(s) (Printed): Angela R / Daniel B

Project Information

Project Name: Carolina Country Convenience
Street: 1908 Hwy 601 N
City: Pageland State: SC
Project #: UST Permit # 022101
Fax #:
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection		Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Preservation	BTEX, MTBE, Naph, 1,2 DCA	8 oxygenates by 8260B	EDB by 8011	Matrix Codes
1	022101	MW-1	4/27/2015	1010	DEB	GW	5		X	X	X	
2	022101	MW-2	4/27	1210	ARR	GW	5		X	X	X	
3	022101	MW-3	4/27	1155	ARR	GW	5		X	X	X	
4	022101	MW-4	4/27	1102	ARR	GW	5		X	X	X	
5	022101	MW-5	4/27	1140	DEB	GW	5		X	X	X	
6	022101	MW-6	4/27	0950	ARR	GW	5		X	X	X	
7	022101	MW-7	4/27	1035	DEB	GW	5		X	X	X	
8	022101	MW-8	4/27	1050	ARR	GW	5		X	X	X	
9	022101	MW-9	4/27	1040	DEB	GW	5		X	X	X	
10	022101	MW-10	4/27	1014	ARR	GW	5		X	X	X	
11	022101	MW-11	4/27	1100	DEB	GW	5		X	X	X	
12	022101	MW-12	4/27	1105	ARR	GW	5		X	X	X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Labilink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [X] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [X] EDD'S

ACCUTEST
2828-C QUEEN CITY DR
CLT, NC 28203

Comments / Remarks

SCDHEC UST Mgt Program

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
	4/28 8:00	2	3	4/28 17:32	4 FX
Relinquished by: 5 FX	Date Time: 4-29-15	Received By: 6 Courier (AGR) 0900	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: / Cooler Temperature (s) Celsius: 3.2

FA23936: Chain of Custody
Page 1 of 5

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA23936 PAGE 2 OF 3

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: G.R.I.
Address: (SAME)
City / State / Zip:
Project Contact: Scott Ball E-mail:
Phone#: 704-845-4010
Sampler(s) Name(s) (Printed): Angela R / Daniel B

Project Information

Project Name: Carolina Country Club
Street: (SAME)
City / State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	2005 DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	VOAS	ABN	PHEN	VPHCS	EPHCS	PESTICIDES	HERBICIDES	METALS	8260 w/ 524.2 List	8260 by 8011	Matrix Codes
13	022601 MW-13	4/27	1123	DEB	GW	5										X	X	
14	022601 MW-14	4/27	1041	ADR	GW	5										X	X	
15	022601 DUP A	4/27	1544	DEB	GW	5										X	X	
16	022601 DUP B	4/27	—	DEB	GW	5										X	X	
17	022601 PW-3	4/27	1659	ADR	GW	5										X	X	
18	022601 Field Blank	4/27	1131	ADR	—	5										X	X	
19	022601 Trip Blank	4/27	—	—	—	2										X	X	
20	022601 TW-1	4/27	1341	ADR	GW	5										X	X	
21	022601 TW-2	4/27	1609	DEB	GW	5										X	X	
22	022601 TW-3	4/27	1423	ADR	GW	5										X	X	
23	022601 TW-4	4/27	1151	ADR	GW	5										X	X	
24	022601 TW-5	4/27	1146	DEB	GW	5										X	X	

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [X] COMMERCIAL "B" (RESULTS + QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [X] EDD'S

ACCUTEST
2828 C QUEEN CITY DR
CLT NC 28203

Comments / Remarks

SCDHEC UST mgt Program

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
	4/28 8:42	2	3	4/28 17:32	4 FX
Relinquished by: FX	Date Time: 4-29-15	Received By: 6 J. Cope (AISE) 09:20	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.2

FA23936: Chain of Custody
Page 2 of 5

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA23936 PAGE 3 OF 3

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: G.R.I.
Address: (SAME)
City: State: Zip:
Project Contact: Scott Ball E-mail:
Phone#: 704-845-4010
Sampler(s) Name(s) (Printed): Angela R / Daniel B

Project Information

Project Name: Carolina Country Conv
Street: (SAME)
City: State:
Project #:
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled By	Matrix	Total # of Bottles	Preservation: Unpres	HNO3	HCl	H2SO4	NaOH	ZnAc+NaOH	DI Water	NaOH	BTEX MTBE, Naph 1,2 DCA	8021 BTEX	8260 624 BTEX	608 PCB	Matrix Codes
25	02Clol Tus-Lo	4/27/15	1425	DEB	GW	5									X	X	X		LAB USE ONLY

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [X] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [X] EDD'S

ACCUTEST
2828-C QUEEN CITY DR
CLT NC 28203

Comments / Remarks

SCDHEC
UST Mgt Progam

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
Angela Rowell	4/28 8:00	2	3	4/28 17:12	4 FX
Relinquished by: 5 FX	Date Time: 4-29-15	Received By: 6 J. COPAR (ABE)	09:50 Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (c) Celsius:

4.2 4

FA23936: Chain of Custody
Page 3 of 5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA23936 CLIENT: GAI PROJECT: CAROLINA COUNTY

DATE/TIME RECEIVED: 4-29-15 09:00 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 8043 9729 7007

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.2
- [ ] OBSERVED TEMPS: 3.4
- [ ] CORRECTED TEMPS: 3.2

SAMPLE INFORMATION

- [X] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

pH PAPER LOT#s WIDE RANGE A036122 NARROW RANGE HC421754 OTHER (specify) 405-230010

SUMMARY OF COMMENTS: RECEIVED 2 VIALS (EDDS) PER SAMPLE

TECHNICIAN SIGNATURE/DATE: 4-29-15 REVIEWER SIGNATURE/DATE: 04-29-15

NF 10/14 receipt confirmation 102914.xls

4.2 4

FA23936: Chain of Custody
Page 4 of 5

ORIGIN ID:PNVA

UNITED STATES US

SHIP DATE: 29APR16
ACTWGT: 55.4 LB
CAD: /PDB1801
DIMS: 26x14x15 IN

BILL SENDER

TO

ACCUTEST LABROTORIES INC
4405 VINELAND RD.
STE C15
ORLANDO FL 32811

(407) 425-6700

FedEx Express

TRK# 0852 8043 9729 7007

WED - 29 APR AA
STANDARD OVERNIGHT

XH TIXA

32811
FL-US MCO

FA23936: Chain of Custody
Page 5 of 5

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4971-MB	J0965932.D	1	05/05/15	MM	n/a	n/a	VJ4971

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	103%	85-112%
460-00-4	4-Bromofluorobenzene	109%	83-118%

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC4279-MB	C0107027.D	1	05/06/15	EP	n/a	n/a	VC4279

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8

CAS No.	Compound	Result	RL	MDL	Units	Q
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	107%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4972-MB	J0965969.D	1	05/06/15	MM	n/a	n/a	VJ4972

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-14, FA23936-15, FA23936-17, FA23936-18, FA23936-19, FA23936-20

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	103%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC4280-MB	C0107054.D	1	05/07/15	EP	n/a	n/a	VC4280

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-19, FA23936-20, FA23936-21, FA23936-22, FA23936-23, FA23936-24, FA23936-25

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	111%	83-118%
17060-07-0	1,2-Dichloroethane-D4	111%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4973-MB	J0965992.D	1	05/07/15	MM	n/a	n/a	VJ4973

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-13, FA23936-16, FA23936-21, FA23936-22, FA23936-23, FA23936-25

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	94%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4974-MB	J0966024.D	1	05/08/15	WV	n/a	n/a	VJ4974

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-23, FA23936-24

CAS No.	Compound	Result	RL	MDL	Units	Q
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	87%	79-125%
2037-26-5	Toluene-D8	104%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4971-BS	J0965930.D	1	05/05/15	MM	n/a	n/a	VJ4971

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.0	92	81-122
107-06-2	1,2-Dichloroethane	25	24.3	97	75-125
108-20-3	Di-Isopropyl Ether	25	24.6	98	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1120	90	55-126
100-41-4	Ethylbenzene	25	24.3	97	81-121
637-92-3	Ethyl Tert Butyl Ether	25	23.1	92	71-120
1634-04-4	Methyl Tert Butyl Ether	25	25.8	103	72-117
91-20-3	Naphthalene	25	29.4	118	63-132
75-85-4	Tert-Amyl Alcohol	250	229	92	65-124
994-05-8	Tert-Amyl Methyl Ether	25	24.5	98	73-122
75-65-0	Tert-Butyl Alcohol	250	210	84	63-129
762-75-4	Tert-Butyl Formate	250	262	105	46-130
108-88-3	Toluene	25	25.5	102	80-120
1330-20-7	Xylene (total)	75	73.5	98	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	107%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC4279-BS	C0107026.D	1	05/06/15	EP	n/a	n/a	VC4279

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-20-3	Di-Isopropyl Ether	25	28.2	113	68-123
64-17-5	Ethyl Alcohol	500	725	145	46-145
637-92-3	Ethyl Tert Butyl Ether	25	27.5	110	71-120
994-05-8	Tert-Amyl Methyl Ether	25	27.2	109	73-122

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	104%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4972-BS	J0965967.D	1	05/06/15	MM	n/a	n/a	VJ4972

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-14, FA23936-15, FA23936-17, FA23936-18, FA23936-19, FA23936-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.0	92	81-122
107-06-2	1,2-Dichloroethane	25	23.5	94	75-125
108-20-3	Di-Isopropyl Ether	25	23.7	95	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1030	82	55-126
100-41-4	Ethylbenzene	25	23.0	92	81-121
637-92-3	Ethyl Tert Butyl Ether	25	22.3	89	71-120
1634-04-4	Methyl Tert Butyl Ether	25	24.2	97	72-117
91-20-3	Naphthalene	25	26.0	104	63-132
75-85-4	Tert-Amyl Alcohol	250	245	98	65-124
994-05-8	Tert-Amyl Methyl Ether	25	24.0	96	73-122
75-65-0	Tert-Butyl Alcohol	250	191	76	63-129
762-75-4	Tert-Butyl Formate	250	268	107	46-130
108-88-3	Toluene	25	23.6	94	80-120
1330-20-7	Xylene (total)	75	69.5	93	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	107%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC4280-BS	C0107053.D	1	05/07/15	EP	n/a	n/a	VC4280

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-19, FA23936-20, FA23936-21, FA23936-22, FA23936-23, FA23936-24, FA23936-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	28.9	116	81-122
107-06-2	1,2-Dichloroethane	25	30.3	121	75-125
108-20-3	Di-Isopropyl Ether	25	28.5	114	68-123
64-17-5	Ethyl Alcohol	500	691	138	46-145
100-41-4	Ethylbenzene	25	27.6	110	81-121
637-92-3	Ethyl Tert Butyl Ether	25	28.5	114	71-120
1634-04-4	Methyl Tert Butyl Ether	25	28.7	115	72-117
91-20-3	Naphthalene	25	29.3	117	63-132
75-85-4	Tert-Amyl Alcohol	250	249	100	65-124
994-05-8	Tert-Amyl Methyl Ether	25	29.1	116	73-122
75-65-0	Tert-Butyl Alcohol	250	301	120	63-129
108-88-3	Toluene	25	28.8	115	80-120
1330-20-7	Xylene (total)	75	84.5	113	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	79-125%
2037-26-5	Toluene-D8	97%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4973-BS	J0965990.D	1	05/07/15	MM	n/a	n/a	VJ4973

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-13, FA23936-16, FA23936-21, FA23936-22, FA23936-23, FA23936-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.5	94	81-122
107-06-2	1,2-Dichloroethane	25	21.7	87	75-125
108-20-3	Di-Isopropyl Ether	25	23.2	93	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1040	83	55-126
100-41-4	Ethylbenzene	25	22.5	90	81-121
637-92-3	Ethyl Tert Butyl Ether	25	21.3	85	71-120
1634-04-4	Methyl Tert Butyl Ether	25	22.2	89	72-117
91-20-3	Naphthalene	25	25.2	101	63-132
75-85-4	Tert-Amyl Alcohol	250	246	98	65-124
994-05-8	Tert-Amyl Methyl Ether	25	23.3	93	73-122
75-65-0	Tert-Butyl Alcohol	250	196	78	63-129
762-75-4	Tert-Butyl Formate	250	243	97	46-130
108-88-3	Toluene	25	24.0	96	80-120
1330-20-7	Xylene (total)	75	69.0	92	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	102%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ4974-BS	J0966022.D	1	05/08/15	WV	n/a	n/a	VJ4974

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-23, FA23936-24

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
107-06-2	1,2-Dichloroethane	25	20.8	83	75-125
108-20-3	Di-Isopropyl Ether	25	23.4	94	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1080	86	55-126
100-41-4	Ethylbenzene	25	22.6	90	81-121
637-92-3	Ethyl Tert Butyl Ether	25	20.8	83	71-120
1634-04-4	Methyl Tert Butyl Ether	25	21.5	86	72-117
91-20-3	Naphthalene	25	26.6	106	63-132
75-85-4	Tert-Amyl Alcohol	250	250	100	65-124
994-05-8	Tert-Amyl Methyl Ether	25	22.5	90	73-122
75-65-0	Tert-Butyl Alcohol	250	196	78	63-129
762-75-4	Tert-Butyl Formate	250	234	94	46-130
108-88-3	Toluene	25	24.5	98	80-120
1330-20-7	Xylene (total)	75	67.7	90	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	96%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA23796-6MS	J0965953.D	10	05/05/15	MM	n/a	n/a	VJ4971
FA23796-6MSD	J0965954.D	10	05/05/15	MM	n/a	n/a	VJ4971
FA23796-6	J0965939.D	10	05/05/15	MM	n/a	n/a	VJ4971

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8

CAS No.	Compound	FA23796-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		250	241	96	250	231	92	4	81-122/14
107-06-2	1,2-Dichloroethane	ND		250	223	89	250	228	91	2	75-125/14
108-20-3	Di-Isopropyl Ether	9.2	J	250	271	105	250	273	106	1	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	ND		12500	11200	90	12500	12000	96	7	55-126/17
100-41-4	Ethylbenzene	ND		250	238	95	250	240	96	1	81-121/14
637-92-3	Ethyl Tert Butyl Ether	ND		250	224	90	250	227	91	1	71-120/14
1634-04-4	Methyl Tert Butyl Ether	895		250	1110	86	250	1120	90	1	72-117/14
91-20-3	Naphthalene	ND		250	243	97	250	246	98	1	63-132/25
75-85-4	Tert-Amyl Alcohol	ND		2500	2250	90	2500	2300	92	2	65-124/23
994-05-8	Tert-Amyl Methyl Ether	9.5	J	250	237	91	250	239	92	1	73-122/13
75-65-0	Tert-Butyl Alcohol	ND		2500	2760	110	2500	2790	112	1	63-129/27
762-75-4	Tert-Butyl Formate	ND		2500	1490	60	2500	1470	59	1	46-130/33
108-88-3	Toluene	ND		250	241	96	250	244	98	1	80-120/14
1330-20-7	Xylene (total)	ND		750	682	91	750	692	92	1	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA23796-6	Limits
1868-53-7	Dibromofluoromethane	100%	98%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	97%	99%	79-125%
2037-26-5	Toluene-D8	96%	97%	104%	85-112%
460-00-4	4-Bromofluorobenzene	93%	94%	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA23878-3MS	C0107037.D	1	05/06/15	EP	n/a	n/a	VC4279
FA23878-3MSD	C0107038.D	1	05/06/15	EP	n/a	n/a	VC4279
FA23878-3	C0107035.D	1	05/06/15	EP	n/a	n/a	VC4279

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8

CAS No.	Compound	FA23878-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-20-3	Di-Isopropyl Ether	1.0 U		25	25.7	103	25	26.0	104	1	68-123/16
64-17-5	Ethyl Alcohol	100 U		500	617	123	500	835	167*	30	46-145/30
637-92-3	Ethyl Tert Butyl Ether	2.0 U		25	27.4	110	25	27.6	110	1	71-120/14
994-05-8	Tert-Amyl Methyl Ether	2.0 U		25	27.3	109	25	27.3	109	0	73-122/13

CAS No.	Surrogate Recoveries	MS	MSD	FA23878-3	Limits
1868-53-7	Dibromofluoromethane	105%	105%	111%	83-118%
17060-07-0	1,2-Dichloroethane-D4	113%	112%	123%	79-125%
2037-26-5	Toluene-D8	98%	98%	96%	85-112%
460-00-4	4-Bromofluorobenzene	100%	100%	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA23936-11MS	J0965983.D	200	05/06/15	MM	n/a	n/a	VJ4972
FA23936-11MSD	J0965984.D	200	05/06/15	MM	n/a	n/a	VJ4972
FA23936-11	J0965972.D	200	05/06/15	MM	n/a	n/a	VJ4972

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-14, FA23936-15, FA23936-17, FA23936-18, FA23936-19, FA23936-20

CAS No.	Compound	FA23936-11 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	8540		5000	13700	103	5000	13500	99	1	81-122/14
107-06-2	1,2-Dichloroethane	154	J	5000	4390	85	5000	4650	90	6	75-125/14
108-20-3	Di-Isopropyl Ether	ND		5000	4820	96	5000	4860	97	1	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	ND		250000	214000	86	250000	228000	91	6	55-126/17
100-41-4	Ethylbenzene	2230		5000	6780	91	5000	6700	89	1	81-121/14
637-92-3	Ethyl Tert Butyl Ether	ND		5000	4220	84	5000	4330	87	3	71-120/14
1634-04-4	Methyl Tert Butyl Ether	193	J	5000	4560	87	5000	4760	91	4	72-117/14
91-20-3	Naphthalene	595	J	5000	6590	120	5000	6110	110	8	63-132/25
75-85-4	Tert-Amyl Alcohol	17500		50000	65300	96	50000	69900	105	7	65-124/23
994-05-8	Tert-Amyl Methyl Ether	55.9	J	5000	4690	93	5000	4790	95	2	73-122/13
75-65-0	Tert-Butyl Alcohol	ND		50000	42100	84	50000	43100	86	2	63-129/27
762-75-4	Tert-Butyl Formate	ND		50000	45800	92	50000	46300	93	1	46-130/33
108-88-3	Toluene	22600	E	5000	25800	64* [a]	5000	25500	58* [a]	1	80-120/14
1330-20-7	Xylene (total)	12400		15000	27200	99	15000	26700	95	2	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA23936-11	Limits
1868-53-7	Dibromofluoromethane	96%	99%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	97%	95%	79-125%
2037-26-5	Toluene-D8	97%	100%	105%	85-112%
460-00-4	4-Bromofluorobenzene	100%	97%	106%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA23936-14MS	C0107069.D	250	05/07/15	EP	n/a	n/a	VC4280
FA23936-14MSD	C0107070.D	250	05/07/15	EP	n/a	n/a	VC4280
FA23936-14	C0107065.D	200	05/07/15	EP	n/a	n/a	VC4280

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-19, FA23936-20, FA23936-21, FA23936-22, FA23936-23, FA23936-24, FA23936-25

CAS No.	Compound	FA23936-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	11900		6250	17100	83	6250	17000	82	1	81-122/14
107-06-2	1,2-Dichloroethane	340		6250	7760	119	6250	7820	120	1	75-125/14
108-20-3	Di-Isopropyl Ether	ND		6250	6450	103	6250	6610	106	2	68-123/16
64-17-5	Ethyl Alcohol	ND		125000	132000	106	125000	113000	90	16	46-145/30
100-41-4	Ethylbenzene	1650		6250	8010	102	6250	8020	102	0	81-121/14
637-92-3	Ethyl Tert Butyl Ether	ND		6250	6870	110	6250	7160	115	4	71-120/14
1634-04-4	Methyl Tert Butyl Ether	293		6250	7400	114	6250	7510	115	1	72-117/14
91-20-3	Naphthalene	446	J	6250	7270	109	6250	7830	118	7	63-132/25
75-85-4	Tert-Amyl Alcohol	22300		62500	79200	91	62500	88400	106	11	65-124/23
994-05-8	Tert-Amyl Methyl Ether	56.4	J	6250	6950	110	6250	7090	113	2	73-122/13
75-65-0	Tert-Butyl Alcohol	2710	J	62500	67800	104	62500	75900	117	11	63-129/27
108-88-3	Toluene	16300		6250	20800	72* [a]	6250	20800	72* [a]	0	80-120/14
1330-20-7	Xylene (total)	8220		18800	26900	100	18800	27100	101	1	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA23936-14	Limits
1868-53-7	Dibromofluoromethane	107%	109%	114%	83-118%
17060-07-0	1,2-Dichloroethane-D4	117%	117%	119%	79-125%
2037-26-5	Toluene-D8	95%	96%	98%	85-112%
460-00-4	4-Bromofluorobenzene	98%	99%	100%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA24025-3MS	J0966013.D	500	05/07/15	MM	n/a	n/a	VJ4973
FA24025-3MSD	J0966014.D	500	05/07/15	MM	n/a	n/a	VJ4973
FA24025-3 [a]	J0966000.D	500	05/07/15	MM	n/a	n/a	VJ4973

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-13, FA23936-16, FA23936-21, FA23936-22, FA23936-23, FA23936-25

CAS No.	Compound	FA24025-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	473	J	12500	12500	96	12500	11700	90	7	81-122/14
107-06-2	1,2-Dichloroethane	500 U		12500	9760	78	12500	9490	76	3	75-125/14
108-20-3	Di-Isopropyl Ether	500 U		12500	11400	91	12500	11300	90	1	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	25000 U		625000	625000	100	625000	626000	100	0	55-126/17
100-41-4	Ethylbenzene	500 U		12500	11000	88	12500	10800	86	2	81-121/14
637-92-3	Ethyl Tert Butyl Ether	1000 U		12500	10200	82	12500	10200	82	0	71-120/14
1634-04-4	Methyl Tert Butyl Ether	500 U		12500	10600	85	12500	10700	86	1	72-117/14
91-20-3	Naphthalene	2500 U		12500	13100	105	12500	13500	108	3	63-132/25
75-85-4	Tert-Amyl Alcohol	10000 U		125000	110000	88	125000	105000	84	5	65-124/23
994-05-8	Tert-Amyl Methyl Ether	1000 U		12500	11400	91	12500	11300	90	1	73-122/13
75-65-0	Tert-Butyl Alcohol	10000 U		125000	109000	87	125000	105000	84	4	63-129/27
762-75-4	Tert-Butyl Formate	10000 U		125000	110000	88	125000	114000	91	4	46-130/33
108-88-3	Toluene	63300	E	12500	73000	78* [b]	12500	71500	66* [b]	2	80-120/14
1330-20-7	Xylene (total)	1500 U		37500	33200	89	37500	32200	86	3	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA24025-3	Limits
1868-53-7	Dibromofluoromethane	95%	92%	93%	83-118%
17060-07-0	1,2-Dichloroethane-D4	88%	89%	87%	79-125%
2037-26-5	Toluene-D8	98%	98%	103%	85-112%
460-00-4	4-Bromofluorobenzene	93%	92%	97%	83-118%

(a) Sample was not preserved to a pH < 2.
(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA24025-1MS	J0966029.D	5000	05/08/15	WV	n/a	n/a	VJ4974
FA24025-1MSD	J0966030.D	5000	05/08/15	WV	n/a	n/a	VJ4974
FA24025-1 [a]	J0966028.D	5000	05/08/15	WV	n/a	n/a	VJ4974

The QC reported here applies to the following samples: Method: SW846 8260B

FA23936-23, FA23936-24

CAS No.	Compound	FA24025-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
107-06-2	1,2-Dichloroethane	5000	U	125000	103000	82	125000	106000	85	3	75-125/14
108-20-3	Di-Isopropyl Ether	5000	U	125000	117000	94	125000	118000	94	1	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	250000	U	6250000	5840000	93	6250000	6050000	97	4	55-126/17
100-41-4	Ethylbenzene	5000	U	125000	113000	90	125000	111000	89	2	81-121/14
637-92-3	Ethyl Tert Butyl Ether	10000	U	125000	104000	83	125000	105000	84	1	71-120/14
1634-04-4	Methyl Tert Butyl Ether	5000	U	125000	109000	87	125000	110000	88	1	72-117/14
91-20-3	Naphthalene	5160	J	125000	131000	101	125000	136000	105	4	63-132/25
75-85-4	Tert-Amyl Alcohol	100000	U	1250000	1250000	100	1250000	1320000	106	5	65-124/23
994-05-8	Tert-Amyl Methyl Ether	10000	U	125000	115000	92	125000	115000	92	0	73-122/13
75-65-0	Tert-Butyl Alcohol	100000	U	1250000	1020000	82	1250000	1010000	81	1	63-129/27
762-75-4	Tert-Butyl Formate	100000	U	1250000	1170000	94	1250000	1220000	98	4	46-130/33
108-88-3	Toluene	230000		125000	345000	92	125000	342000	90	1	80-120/14
1330-20-7	Xylene (total)	15000	U	375000	336000	90	375000	336000	90	0	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA24025-1	Limits
1868-53-7	Dibromofluoromethane	94%	97%	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	93%	87%	79-125%
2037-26-5	Toluene-D8	98%	99%	104%	85-112%
460-00-4	4-Bromofluorobenzene	97%	96%	99%	83-118%

(a) Sample was not preserved to a pH < 2; reported results are considered minimum values.

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55947-MB	DD81914.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419

6.1.1

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8, FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-20, FA23936-21

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	63-137%

Method Blank Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55948-MB	DD81942.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-22, FA23936-23, FA23936-24, FA23936-25

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	98%	63-137%

6.1.2

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55947-BS	DD81912.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8, FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-20, FA23936-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.24	96	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	96%	63-137%

6.2.1

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55947-BS2	DD81913.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8, FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-20, FA23936-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.25	100	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	100%	63-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55948-BS	DD81941.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-22, FA23936-23, FA23936-24, FA23936-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.23	92	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	95%	63-137%

* = Outside of Control Limits.

6.2.3

Matrix Spike Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55947-MS	DD81973.D	400	05/04/15	NG	05/01/15	OP55947	GDD2420
FA23936-1 [a]	DD81972.D	400	05/04/15	NG	05/01/15	OP55947	GDD2420

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8, FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-20, FA23936-21

CAS No.	Compound	FA23936-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
106-93-4	1,2-Dibromoethane	113		0.241	148	14520* [b]	72-134

CAS No.	Surrogate Recoveries	MS	FA23936-1	Limits
460-00-4	4-Bromofluorobenzene	0%* [c]	0%* [c]	63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits due to dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55948-MS	DD81950.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419
OP55948-MSD	DD81951.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419
FA23902-1	DD81949.D	1	05/02/15	NG	05/01/15	OP55948	GDD2419

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-22, FA23936-23, FA23936-24, FA23936-25

CAS No.	Compound	FA23902-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-93-4	1,2-Dibromoethane	ND		0.242	0.20	83	0.238	0.17	71*	16	72-134/28

CAS No.	Surrogate Recoveries	MS	MSD	FA23902-1	Limits
460-00-4	4-Bromofluorobenzene	77%	66%	77%	63-137%

* = Outside of Control Limits.

6.4.1

Duplicate Summary

Job Number: FA23936
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP55947-DUP	DD81918.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419
FA23936-2	DD81917.D	1	05/01/15	NG	05/01/15	OP55947	GDD2419

6.5.1

The QC reported here applies to the following samples: Method: SW846 8011

FA23936-1, FA23936-2, FA23936-3, FA23936-4, FA23936-5, FA23936-6, FA23936-7, FA23936-8, FA23936-9, FA23936-10, FA23936-11, FA23936-12, FA23936-13, FA23936-14, FA23936-15, FA23936-16, FA23936-17, FA23936-18, FA23936-20, FA23936-21

CAS No.	Compound	FA23936-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-93-4	1,2-Dibromoethane	ND		ND		nc	28

CAS No.	Surrogate Recoveries	DUP	FA23936-2	Limits
460-00-4	4-Bromofluorobenzene	102%	80%	63-137%

* = Outside of Control Limits.

APPENDIX C

Ground Water Sampling Data Sheets

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody YSI: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-1
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	10.41	feet
Total Well Depth (TWD)	34.98	feet
Length of the water column (LWC = TWD-DGW)	24.07	feet
1 casing volume (CV = LWC X C) =	4.00	
3 casing volume 3 X CV =	12.00	gals (standard purge volume)
Total volume of Water Purged Before Sampling	4.00	gals
Total volume of Water Purged for Post Sampling	0	gals
	4.00	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	4.00						
Time (military)	1019	1028						1036
pH (s.u.)	5.63	5.47						
Specific Cond. (umhos/cm)	338	253						
Water Temperature (degrees C)	18.63	19.87						
Turbidity (subjective: clear, slightly cloudy, cloudy)	27.0	71000						
Dissolved Oxygen (mg/l)	1.51	1.64						
PID readings, if required								

Remarks:

Dry @ 1.75 Volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
_____ Standard
_____ Standard
_____ Standard

Chain of Custody Ysi: 13B1000013
Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # mw-2
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness: 0 feet
Depth to Ground Water (DGW) 14.88 feet
Total Well Depth (TWD) 41.58 feet
Length of the water column (LWC = TWD-DGW) 26.70 feet

1 casing volume (CV = LWC X C) = 4.35
3 casing volume 3 X CV = 13.06 gals (standard purge volume)

Total volume of Water Purged Before Sampling 8.70 gals
Total volume of Water Purged for Post Sampling 0 gals
8.70 Total Purged
*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	4.35	8.70					
Time (military)	1204	1215	1226					1226
pH (s.u.)	5.79	5.86	5.91					
Specific Cond. (umhos/cm)	379	427	573					
Water Temperature (degrees C)	20.29	20.06	19.79					
Turbidity (subjective: clear, slightly cloudy, cloudy)	12.0	>1000	>1000					
Dissolved Oxygen (mg/l)	3.69	2.78	1.80					
PID readings, if required								

Remarks:

Dry @ 2 volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____ Standard _____

Chain of Custody Ysi: 13B1000013 Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-3
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness: 0 feet
Depth to Ground Water (DGW) 11.45 feet
Total Well Depth (TWD) 41.51 feet
Length of the water column (LWC = TWD-DGW) 30.06 feet

1 casing volume (CV = LWC X C) = 4.89
3 casing volume 3 X CV = 14.69 gals (standard purge volume)

Total volume of Water Purged Before Sampling 4.89 gals
Total volume of Water Purged for Post Sampling 0 gals
4.89 Total Purged
*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	4.89						
Time (military)	1338	1349						1357
pH (s.u.)	6.19	6.14						
Specific Cond. (umhos/cm)	1606	141						
Water Temperature (degrees C)	21.58	21.53						
Turbidity (subjective: clear, slightly cloudy, cloudy)	10.0	320						
Dissolved Oxygen (mg/l)	2.87	2.42						
PID readings, if required								

Remarks:

Dry @ 1.75 Volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody: Ysi: 13B100013 Hanna: 08597525

Relinquished by | Date/Time | Received by | Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-4
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	13.93	feet
Total Well Depth (TWD)	41.44	feet
Length of the water column (LWC = TWD-DGW)	27.51	feet
1 casing volume (CV = LWC X C) =	4.48	
3 casing volume 3 X CV =	13.45	gals (standard purge volume)
Total volume of Water Purged Before Sampling	4.48	gals
Total volume of Water Purged for Post Sampling	0	gals
	4.48	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	4.48						
Time (military)	1411	1419						1422
pH (s.u.)	6.06	6.04						
Specific Cond. (umhos/cm)	251	224						
Water Temperature (degrees C)	21.27	21.19						
Turbidity (subjective: clear, slightly cloudy, cloudy)	3.10	450						
Dissolved Oxygen (mg/l)	3.40	3.23						
PID readings, if required								

Remarks:

Dry @ 1.5 Volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no.
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody: YSI: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID #: 02261 Monitoring Well #: MW-5
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	20.20	feet
Total Well Depth (TWD)	41.62	feet
Length of the water column (LWC = TWD-DGW)	21.42	feet
1 casing volume (CV = LWC X C) =	3.50	
3 casing volume 3 X CV =	10.50	gals (standard purge volume)
Total volume of Water Purged Before Sampling	3.50	gals
Total volume of Water Purged for Post Sampling	0	gals
	3.50	Total Purged

*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	3.50						
Time (military)	1438	1443						1446
pH (s.u.)	6.04	5.99						
Specific Cond. (umhos/cm)	187	127						
Water Temperature (degrees C)	20.06	19.77						
Turbidity (subjective: clear, slightly cloudy, cloudy)	3.70	17.0						
Dissolved Oxygen (mg/l)	2.78	2.97						
PID readings, if required								

Remarks:
Dry @ 1.5 volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 04/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____ Standard _____

Chain of Custody Ysi: 13B1000013 Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-6
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	8.43	feet
Total Well Depth (TWD)	34.44	feet
Length of the water column (LWC = TWD-DGW)	26.01	feet
1 casing volume (CV = LWC X C) =	4.24	
3 casing volume 3 X CV =	12.72	gals (standard purge volume)
Total volume of Water Purged Before Sampling	4.24	gals
Total volume of Water Purged for Post Sampling	0	gals
	4.24	Total Purged

*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	4.24						
Time (military)	948	954						950
pH (s.u.)	5.80	5.73						
Specific Cond. (umhos/cm)	729	705						
Water Temperature (degrees C)	16.13	17.57						
Turbidity (subjective: clear, slightly cloudy, cloudy)	1.80	18.0						
Dissolved Oxygen (mg/l)	3.16	2.94						
PID readings, if required								

Remarks:

Dry @ 1.25 Volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____ Standard _____ Standard _____ Standard _____

Chain of Custody YSi: 13B1000013 Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-7
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	7.17	feet
Total Well Depth (TWD)	33.75	feet
Length of the water column (LWC = TWD-DGW)	26.58	feet
1 casing volume (CV = LWC X C) =	4.35	
3 casing volume 3 X CV = 13.05		gals (standard purge volume)
Total volume of Water Purged Before Sampling	4.35	gals
Total volume of Water Purged for Post Sampling	0	gals
	4.35	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	4.35						
Time (military)	1526	1535						1537
pH (s.u.)	6.78	5.63						
Specific Cond. (umhos/cm)	347	372						
Water Temperature (degrees C)	16.56	18.11						
Turbidity (subjective: clear, slightly cloudy, cloudy)	3.40	800						
Dissolved Oxygen (mg/l)	3.60	4.38						
PID readings, if required								

Remarks:

DRY 1.75 vol

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody: YSI: 13B1000013 Hanna: 0859-7525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-8
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	7.79	feet
Total Well Depth (TWD)	33.16	feet
Length of the water column (LWC = TWD-DGW)	25.37	feet

1 casing volume (CV = LWC X C) = 4.15
3 casing volume 3 X CV = 12.45 gals (standard purge volume)

Total volume of Water Purged Before Sampling	4.15	gals
Total volume of Water Purged for Post Sampling	0	gals
	4.15	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25							
Time (military)	1551							1558
pH (s.u.)	6.29							
Specific Cond. (umhos/cm)	106							
Water Temperature (degrees C)	16.89							
Turbidity (subjective: clear, slightly cloudy, cloudy)	4.30							
Dissolved Oxygen (mg/l)	4.45							
PID readings, if required								

Remarks:
Dry @ 1 volume
Not enough for readings

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody: Ysi: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-9
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	11.09	feet
Total Well Depth (TWD)	32.96	feet
Length of the water column (LWC = TWD-DGW)	21.87	feet

1 casing volume (CV = LWC X C) = 3.60
3 casing volume 3 X CV = 10.80 gals (standard purge volume)

Total volume of Water Purged Before Sampling	3.60	gals
Total volume of Water Purged for Post Sampling	0	gals
	3.60	Total Purged

*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	3.60						
Time (military)	1613	1622						1626
pH (s.u.)	6.14	5.95						
Specific Cond. (umhos/cm)	119	97						
Water Temperature (degrees C)	17.86	17.68						
Turbidity (subjective: clear, slightly cloudy, cloudy)	21.0	650						
Dissolved Oxygen (mg/l)	4.49	4.62						
PID readings, if required								

Remarks:

Dry @ 1.5 volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 04/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____
pH=7.0 _____
pH=10.0 _____

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody Ysi: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-10
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	12.66	feet
Total Well Depth (TWD)	34.93	feet
Length of the water column (LWC = TWD-DGW)	22.27	feet
1 casing volume (CV = LWC X C) =	3.63	
3 casing volume 3 X CV =	10.89	gals (standard purge volume)
Total volume of Water Purged Before Sampling	3.63	gals
Total volume of Water Purged for Post Sampling	0	gals
	3.63	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	3.63						
Time (military)	1006	1011						1014
pH (s.u.)	5.29	5.22						
Specific Cond. (umhos/cm)	742	670						
Water Temperature (degrees C)	17.86	19.07						
Turbidity (subjective: clear, slightly cloudy, cloudy)	250	140						
Dissolved Oxygen (mg/l)	2.07	1.91						
PID readings, if required								

Remarks:

Dry @ 1.25 Volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. ____
pH=4.0 ____ Standard ____
pH=7.0 ____ Standard ____
pH=10.0 ____ Standard ____

Conductivity Meter serial no. ____ Standard ____

Chain of Custody Ysi: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # mw-11
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	13.60	feet
Total Well Depth (TWD)	34.49	feet
Length of the water column (LWC = TWD-DGW)	20.89	feet
1 casing volume (CV = LWC X C) =	3.40	
3 casing volume 3 X CV =	10.20	gals (standard purge volume)
Total volume of Water Purged Before Sampling	3.40	gals
Total volume of Water Purged for Post Sampling	0	gals
	3.40	Total Purged

*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	~~1106~~ 3.40						
Time (military)	1057	1106						1108
pH (s.u.)	5.48	5.38						
Specific Cond. (umhos/cm)	152	152						
Water Temperature (degrees C)	18.42	20.04						
Turbidity (subjective: clear, slightly cloudy, cloudy)	4.80	20.0						
Dissolved Oxygen (mg/l)	2.81	~~20.0~~ 2.86						
PID readings, If required								

Remarks:

DRY 1.25 vol

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard _____
pH=7.0 _____ Standard _____
pH=10.0 _____ Standard _____

Conductivity Meter serial no. _____

Chain of Custody: Ysi: 13B1000013 Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-12
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness: 0 feet
Depth to Ground Water (DGW) 13.12 feet
Total Well Depth (TWD) 35.04 feet
Length of the water column (LWC = TWD-DGW) 21.92 feet

1 casing volume (CV = LWC X C) = 3.57
3 casing volume 3 X CV = 10.72 gals (standard purge volume)

Total volume of Water Purged Before Sampling 3.57 gals
Total volume of Water Purged for Post Sampling 0 gals
3.57 Total Purged
*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	3.57						
Time (military)	1057	1102						1105
pH (s.u.)	5.39	5.30						
Specific Cond. (umhos/cm)	142	131						
Water Temperature (degrees C)	19.84	20.53						
Turbidity (subjective: clear, slightly cloudy, cloudy)	1.20	390						
Dissolved Oxygen (mg/l)	2.22							
PID readings, if required								

Remarks:

Dry @ 1.5 volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody Ysi: 13B1000013
Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-13
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	11.52	feet
Total Well Depth (TWD)	34.96	feet
Length of the water column (LWC = TWD-DGW)	23.44	feet
1 casing volume (CV = LWC X C) =	3.80	
3 casing volume 3 X CV =	11.40	gals (standard purge volume)
Total volume of Water Purged Before Sampling	11.40	gals
Total volume of Water Purged for Post Sampling	0	gals
	11.40	Total Purged

*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	3.80	7.60	11.40				
Time (military)	1158	1209	1215	1222				1223
pH (s.u.)	6.10	5.55	5.52	5.51				
Specific Cond. (umhos/cm)	205	202	239	264				
Water Temperature (degrees C)	19.32	20.17	20.66	19.51				
Turbidity (subjective: clear, slightly cloudy, cloudy)	7.90	500	>1000	>1000				
Dissolved Oxygen (mg/l)	3.30	3.29	2.59	2.88				
PID readings, if required								

Remarks:

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody: YSI: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # MW-14
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	15.93	feet
Total Well Depth (TWD)	34.68	feet
Length of the water column (LWC = TWD-DGW)	18.75	feet
1 casing volume (CV = LWC X C) =	3.06	
3 casing volume 3 X CV =	9.17	gals (standard purge volume)
Total volume of Water Purged Before Sampling	3.06	gals
Total volume of Water Purged for Post Sampling	0	gals
	3.06	Total Purged

*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	3.06						
Time (military)	1031	1039						1041
pH (s.u.)	5.27	5.21						
Specific Cond. (umhos/cm)	170	151						
Water Temperature (degrees C)	18.62	18.81						
Turbidity (subjective: clear, slightly cloudy, cloudy)	190	>1000						
Dissolved Oxygen (mg/l)	1.16	1.63						
PID readings, if required								

Remarks:

Dry @ 1.25 volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard _____
pH=7.0 _____ Standard _____
pH=10.0 _____ Standard _____

Conductivity Meter serial no. _____

Chain of Custody YSI: 13B100013 Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # TW-1
Well Diameter (D): 2" 0.167 feet

Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	7.80	feet
Total Well Depth (TWD)	59.39	feet
Length of the water column (LWC = TWD-DGW)	51.59	feet
1 casing volume (CV = LWC X C) =	8.40	
3 casing volume 3 X CV =	25.20	gals (standard purge volume)
Total volume of Water Purged Before Sampling	16.80	gals
Total volume of Water Purged for Post Sampling	0	gals
	16.80	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	8.40	16.80					
Time (military)	1511	1526	1539					1541
pH (s.u.)	6.27	6.13	6.09					
Specific Cond. (umhos/cm)	303	351	419					
Water Temperature (degrees C)	16.49	17.94	18.21					
Turbidity (subjective: clear, slightly cloudy, cloudy)	30.0	590	*1000					
Dissolved Oxygen (mg/l)	3.77	3.75	3.21					
PID readings, if required								

Remarks:

Dry @ 2.25 volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: Sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard _____
pH=7.0 _____ Standard _____
pH=10.0 _____ Standard _____

Conductivity Meter serial no. _____

Chain of Custody YSI: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # TW-2
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	8.12	feet
Total Well Depth (TWD)	60.04	feet
Length of the water column (LWC = TWD-DGW)	51.92	feet
1 casing volume (CV = LWC X C) =	8.45	
3 casing volume 3 X CV =	25.35	gals (standard purge volume)
Total volume of Water Purged Before Sampling	25.35	gals
Total volume of Water Purged for Post Sampling	0	gals
	25.35	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	8.45	16.90	25.35				
Time (military)	1549	1554	1559	1606				~~1606~~ 1607
pH (s.u.)	6.25	6.24	6.30	6.19				
Specific Cond. (umhos/cm)	514	473	320	172				
Water Temperature (degrees C)	17.94	19.25	19.21	19.09				
Turbidity (subjective: clear, slightly cloudy, cloudy)	80.0	625	600	850				
Dissolved Oxygen (mg/l)	3.72	3.30	3.66	3.99				
PID readings, if required								

Remarks:

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____ Standard _____

Chain of Custody Ysi: 13B1000013 Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02061 Monitoring Well # TW-3
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	10.90	feet
Total Well Depth (TWD)	57.04	feet
Length of the water column (LWC = TWD-DGW)	46.14	feet
1 casing volume (CV = LWC X C) =	7.50	
3 casing volume 3 X CV =	22.50	gals (standard purge volume)
Total volume of Water Purged Before Sampling	15.00	gals
Total volume of Water Purged for Post Sampling	0	gals
	15.00	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	7.50	15.00					
Time (military)	1600	1609	1622					1623
pH (s.u.)	6.16	6.17	6.19					
Specific Cond. (umhos/cm)	583	663	680					
Water Temperature (degrees C)	18.32	18.57	18.86					
Turbidity (subjective: clear, slightly cloudy, cloudy)	70.0	230	71000					
Dissolved Oxygen (mg/l)	2.29	1.55	1.92					
PID readings, if required								

Remarks:

Dry @ 2 volumes

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____

Chain of Custody YSI: 13B1000013 Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # TW-4
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	14.17	feet
Total Well Depth (TWD)	59.38	feet
Length of the water column (LWC = TWD-DGW)	45.21	feet
1 casing volume (CV = LWC X C) =	7.37	
3 casing volume 3 X CV =	22.11	gals (standard purge volume)
Total volume of Water Purged Before Sampling	22.11	gals
Total volume of Water Purged for Post Sampling	0	gals
	22.11	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	7.37	14.74	22.11				
Time (military)	1124	1131	1143	1150				1151
pH (s.u.)	6.43	6.09	6.07	5.94				
Specific Cond. (umhos/cm)	557	488	651	726				
Water Temperature (degrees C)	17.40	18.45	18.94	18.60				
Turbidity (subjective: clear, slightly cloudy, cloudy)	250	>1000	>1000	>1000				
Dissolved Oxygen (mg/l)	1.47	2.35	2.40	1.58				
PID readings, if required								

Remarks:

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no.
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no.
Standard
Standard
Standard

Chain of Custody: Ysi: 13B1000013
Hanna: 08597525

Relinquished by	Date/Time	Received by	Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # TW-5
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	11.94	feet
Total Well Depth (TWD)	56.09	feet
Length of the water column (LWC = TWD-DGW)	44.15	feet
1 casing volume (CV = LWC X C) =	7.20	
3 casing volume 3 X CV =	21.60	gals (standard purge volume)
Total volume of Water Purged Before Sampling	7.20	gals
Total volume of Water Purged for Post Sampling	0	gals
	7.20	Total Purged

*if free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	7.20						
Time (military)	1118	1134						1146
pH (s.u.)	5.86	6.33						
Specific Cond. (umhos/cm)	537	561						
Water Temperature (degrees C)	19.32	19.94						
Turbidity (subjective: clear, slightly cloudy, cloudy)	29.0	9.50						
Dissolved Oxygen (mg/l)	2.48	1.03						
PID readings, if required								

Remarks:
DRY 1.50 VOL

Field Data Information Sheet for Ground-Water Sampling
South Carolina Department of Health and Environmental Control
Bureau of Underground Storage Tank Management

Date (mm/dd/yy): 4/27/15
Field Personnel: Angela Roach / Daniel Beall
General Weather Conditions: Sunny
Ambient Air Temperature: ~73° F

Quality Assurance

pH Meter serial no. _____
pH=4.0 _____ Standard
pH=7.0 _____ Standard
pH=10.0 _____ Standard

Conductivity Meter serial no. _____
Standard _____
Standard _____
Standard _____

Chain of Custody YSI: 13B1000013 Hanna: 08597525

Relinquished by Date/Time Received by Date/Time

Facility Name: Carolina Country Convenience
Site ID # 02261 Monitoring Well # TW-6
Well Diameter (D): 2" 0.167 feet
Conversion factor (C): 3.14 X (D/2)2 for a 2 inch well C = 0.163
for a 4 inch well C = 0.652

* Free Product Thickness:	0	feet
Depth to Ground Water (DGW)	19.77	feet
Total Well Depth (TWD)	65.89	feet
Length of the water column (LWC = TWD-DGW)	46.12	feet
1 casing volume (CV = LWC X C) =	7.50	
3 casing volume 3 X CV =	22.50	gals (standard purge volume)
Total volume of Water Purged Before Sampling	22.50	gals
Total volume of Water Purged for Post Sampling	0	gals
	22.50	Total Purged

*If free product is present over 1/8 inch, sampling will not be required.

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post Sampling	Sample
Cumulative Volume Purged (gallons)	0.25	7.50	15.00	22.50				
Time (military)	1351	1357	1410	1424				1425
pH (s.u.)	6.05	6.18	6.08	5.98				
Specific Cond. (umhos/cm)	1666	1566	100	89				
Water Temperature (degrees C)	25.64	20.65	21.25	19.63				
Turbidity (subjective: clear, slightly cloudy, cloudy)	30.0	>1000	>1000	>1000				
Dissolved Oxygen (mg/l)	2.42	3.07	3.03	3.27				
PID readings, if required								

Remarks:

APPENDIX D

Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address: CAROLINA COUNTRY CONVENIENCE, 1908 Hwy 601 N., PAGELAND, SC

4. Generator's Phone ( )

5. Transporter 1 Company Name: GRI

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone: 704-845-4010

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: HERR, Inc, 303 S. MAULTSBY ST., WHITEVILLE, NC

10. US EPA ID Number: NCR-000139816

E. State Facility's ID

F. Facility's Phone: 910-640-2607

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Reg. Petroleum Contact Purge Water			175.93	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: W. Scott Beall - GRI | Signature | Date: Month 5 Day 15 Year 15

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DANIEL BEALL | Signature | Date: Month 5 Day 18 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: TIMAN COX | Signature | Date: Month 5 Day 18 Year 15

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

F-14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

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Rev. 3/95

APPENDIX E

Contractor Checklist

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	X		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?			X
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?			X
12	Has the primary soil type been described?	X		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?	X		
17	Has the method of well development been detailed?	X		
18	Has justification been provided for the locations of the monitoring wells?	X		
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X		
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)	X		
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing or incomplete information.

Ashleigh Thrash

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Carolina Country Convenience (last) (first)
Address: 1908 Hwy 601 N
City: Pageland State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: COUNTY: Clarendon
Name: See Above
Street Address:
City: Zip:
Latitude: 34 46 04 Longitude: 80 24 23

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER**

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
silt/clay	24	24
weathered rock	21	45
rock	23	68
# 02261 TW-6		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

RECEIVED
JUN 02 2015
SITE ASSESSMENT, REMEDIATION & REVITALIZATION

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☑ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: INCIDENT # 02261

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 68 ft. Date Started: 4/23/15 Date Completed: 4/24/15

10. CASING: ☑ Threaded ☐ Welded
Diam.: _____
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 63 ft. depth
5 in. to 47 ft. depth
Height: Above /Below Surface .25 ft.
Weight Sch 40 lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: .010 Length: 5
Set Between: 63 ft. and 68 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 39 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

UST Petro DOCKETING

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 61 ft. to 68 ft.
Effective size medium Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 59 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date Installed: NA Not Installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Michael Ransier CERT. NO.: 1152A
Address: (Print) 1 Piney Pt
Whispering Pines, NC 28327
Level: A B C D (circle one)
Telephone No.: 910-690-6688 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Michael Ransier Well Driller Date: 4/24/15

If D Level Driller, provide supervising driller's name:

D H E C

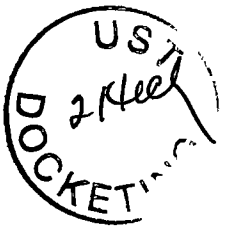
PROMOTE PROTECT PROSPER

Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

MR MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

OCT 07 2015



Re: **Site Specific Work Plan (SSWP) Request**
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit #02261
Release Reported September 30, 2008
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) recognizes your commitment to continue work at this site using Geological Resources, Inc. as your contractor. The next appropriate scope of work at the site is a comprehensive groundwater sampling event.

The groundwater sampling event should be conducted in accordance with the UST Quality Assurance Program Plan (QAPP) Revision 2.0 and must be conducted in compliance with all applicable regulations. Groundwater samples should be collected from all monitoring wells and water supply wells and analyzed for BTEX + Naphth + MtBE, 1,2-DCA, 8 oxygenates, and EDB. Any monitoring wells with screens not bracketing the water table will need to be purged. The groundwater sampling event must be conducted in accordance with the UST QAPP Revision 2 and in compliance with all applicable regulations once the SSWP is approved. The SSWP must be prepared using the format as outlined in the current revision of the UST QAPP, available on-line at https://www.scdhec.gov/environment/lw/ust/ReleaseAssessmentClean-up/QualityAssurance/.

Please have your contractor complete and submit the Site Specific Work Plan (SSWP) and Cost Proposal within thirty (30) days of the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that technical and financial preapproval from the Agency must be issued before work begins.**

On all correspondence concerning this site, please reference **UST Permit #02261.** If you have any questions concerning this project, please contact me at (803) 898-0607 or by email at thrasham@dhec.sc.gov.

Sincerely,

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

cc: Geological Resources, Inc., 3502 Hayes Rd., Monroe, NC 28110
Technical File

Geological Resources, Inc.

October 13, 2015

UST
OCT 16 2015
PROGRAM

UST
22tch
DOCKETING

Ms. Ashleigh Thrash
South Carolina Department of Health
And Environmental Control
Underground Storage Tank Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Re: GRI Proposal No. 15-627
Site Specific Work Plan
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
UST Permit No. 02261

Dear Ms. Thrash:

Attached is a Site Specific Work Plan for approved ACQAP and the associated Assessment Component Cost Agreement for the above referenced site in Pageland, Chesterfield County, South Carolina.

Please contact me at (704) 845-4010 or by e-mail at wsb@geologicalresourcesinc.com if you have questions or comments concerning this matter.

Sincerely,

W. Scott Ball
Senior Project Manager

Enclosures

cc: file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

D H E C
PROMOTE PROTECT PROSPER

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

To: Ashleigh Thrash (SCDHEC Project Manager)
From: Scott Ball (Contractor Project Manager)
Contractor: Geological Resources, Inc. UST Contractor Certification Number: 74

Facility Name: Carolina Country Convenience UST Permit #: 02261
Facility Address: 1908 Highway 601 North, Pageland
Responsible Party: Mr. Michael Wallace Phone: (843) 672-5527
RP Address: 1908 Highway 601 North, Pageland, SC 29728-8292
Property Owner (if different): Wilson, Inc.
Property Owner Address: Post Office Box 1839 Pageland, SC 29721
Current Use of Property: Commercial

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☐ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☐ Other
- ☐ GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260B)
- ☑ Oxygenates (8260B)
- ☑ EDB (8011)
- ☐ PAH (8270D)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Soil:

- ☐ BTEXN
- ☐ PAH
- ☐ 8 RCRA Metals
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ Grain Size
- ☐ TOC

Air:

- ☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

____ Soil	1 Water Supply Wells	____ Air	1 Field Blank
27 Monitoring Wells	____ Surface Water	2 Duplicate	1 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: NA Estimated Footage: ____ feet per point
# of deep points proposed: ____ Estimated Footage: ____ feet per point
Field Screening Methodology: ____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: ____ Estimated Footage: ____ feet per point
# of deep wells: ____ Estimated Footage: ____ feet per point
# of recovery wells: ____ Estimated Footage: ____ feet per point
Monitoring Well development method (consistent with SOP): ____
Comments, if warranted:

UST Permit #: 02261 Facility Name: Carolina Country Convenience

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 10 days from approval Field Work Completion: 13 days from approval
Report Submittal: 45 days from approval # of Copies Provided to Property Owners: 1

Aquifer Characterization
Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: _____ Tons Purge Water: 300 Gallons
Drilling Fluids: _____ Gallons Free-Phase Product: _____ Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
Sample 02261 MW-1 through MW-14 and TW-1 through TW-6 located at the subject site and on adjoining/adjacent properties.
Sample the following monitoring wells associated with the Former Eddie's Pit Stop Site (UST Permit No. 18871): MW-10, MW-20, MW-20D, MW-21, MW-21D, MW-22, MW-22D. Sample PW-3.

Two samples will be duplicated. One field blank will be collected. A trip blank will be submitted with the samples.
All ground water samples will be analyzed for BTEX, naphthalene, MTBE, 1,2-DCA and 8 oxygenates by Method 8260 and EDB by Method 8011.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

NA Well Driller as indicated in ACQAO? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

NA Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

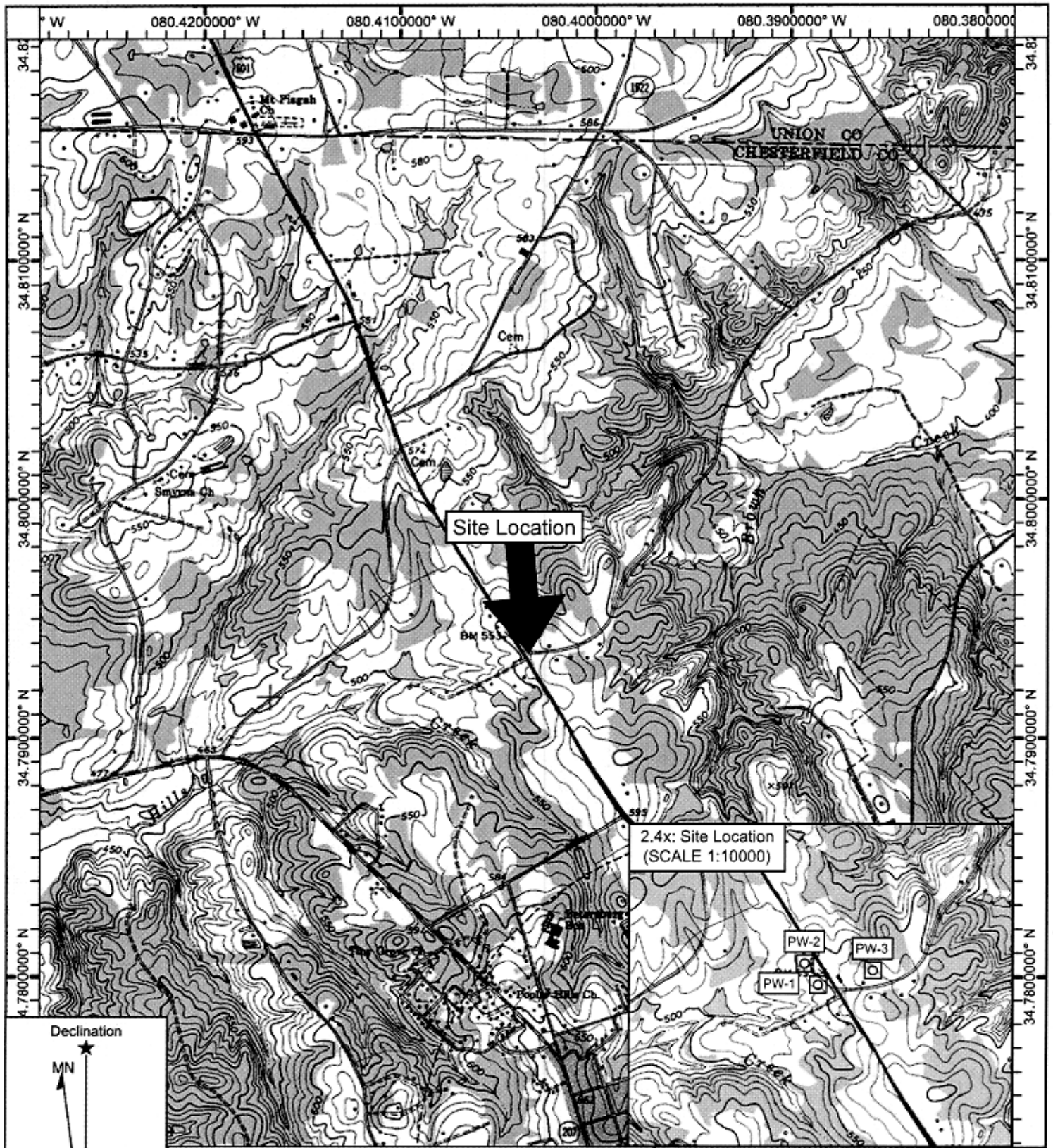


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit # 02261

SCALE 1:24000

0 1000 2000 3000 4000 5000
FEET

Legend: Water Supply Well

Name: Topographic Map
Date: 12/09/14
Scale: 1 inch = 2,000 ft.

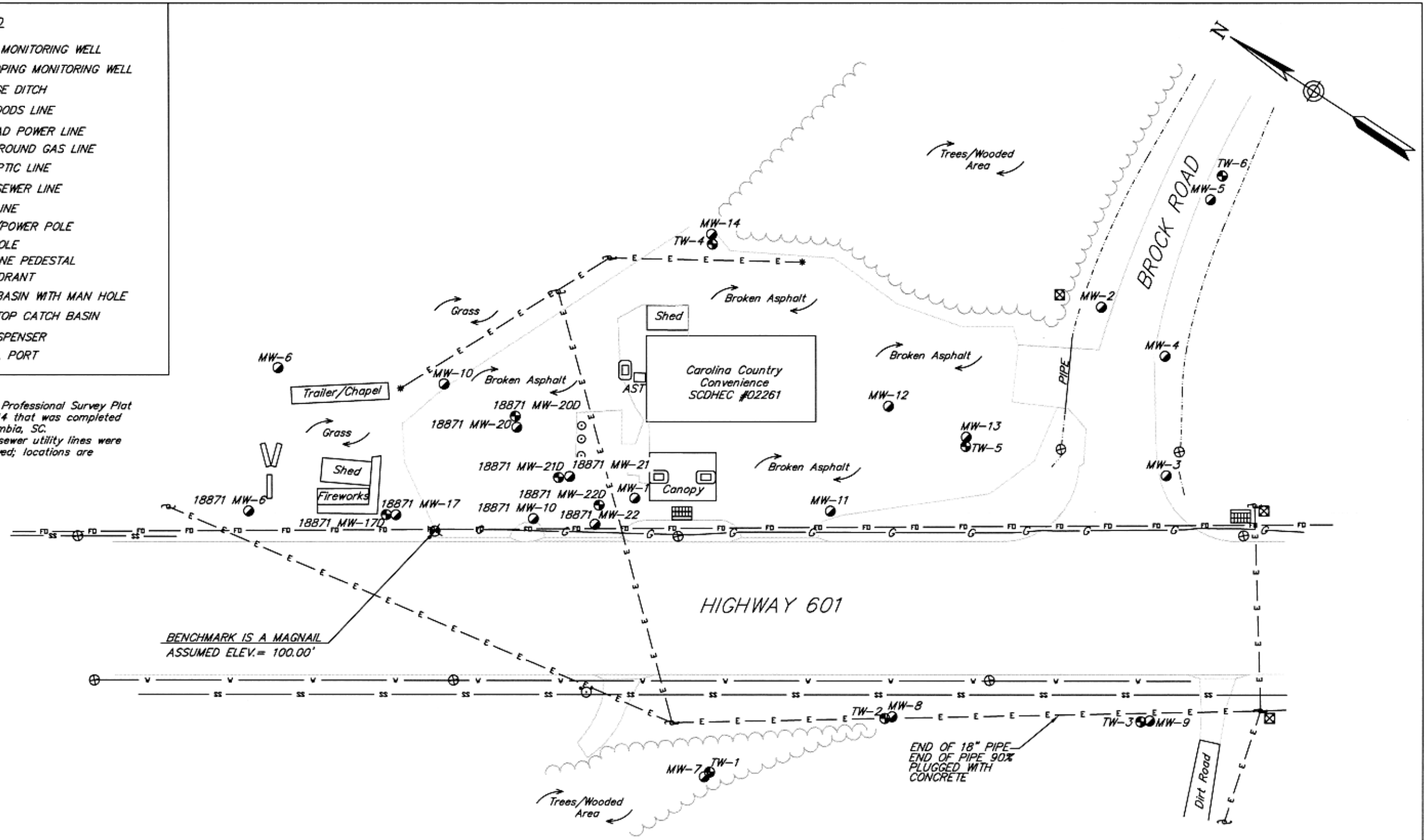
Map Center Location: 034.7940878° N 080.4035483° W

Generated by ECH at Geological Resources, Inc.

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date:	05/13/15	Drawn by:	ECH	Figure:	3

FIGURE 2: SITE VICINITY MAP
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, CHESTERFIELD COUNTY
SOUTH CAOLINA
UST PERMIT # 02261

PREPARED BY:
GEOLOGICAL RESOURCES INC.
MAY 13, 2015

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

ASSESSMENT COMPONENT INVOICE

SOUTH CAROLINA

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

May 15, 2014

Facility Name: Carolina Country Convenience

UST Permit #: 02261 **Cost Agreement #:** 15-627

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
1. **Plan Preparation**					
A1. Site-specific Work Plan	1	each	$150.00		$150.00
B1. Tax Map		each	$70.00		$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00		$0.00
2. A1. **Receptor Survey ***		each	$551.00		$0.00
3. **Survey (500 ft x 500 ft)**					
A1. Comprehensive Survey		each	$1,040.00		$0.00
B. Subsurface Geophysical Survey					
1B. < 10 meters below grade		each	$1,300.00		$0.00
2B. > 10 meters below grade		each	$2,310.00		$0.00
C1. Geophysical UST or Drum Survey		each	$910.00		$0.00
4. **Mob/Demob**					
A1. Equipment		each	$1,020.00		$0.00
B1. Personnel	2	each	$423.00		$846.00
C1. Adverse Terrain Vehicle		each	$500.00		$0.00
5. A1. **Soil Borings (hand auger)***		foot	$5.00		$0.00
6. **Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)***					
AA. Standard		per foot	$15.00		$0.00
C1. Fractured Rock		per foot	$20.20		$0.00
7. A1. **Soil Leachability Model**		each	$60.00		$0.00
8. **Abandonment (per foot)***					
A1. 2" diameter or less		per foot	$3.10		$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50		$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00		$0.00
9. **Well Installation (per foot)***					
A1. Water Table (hand augered)		per foot	$10.60		$0.00
B1. Water Table (drill rig)		per foot	$38.00		$0.00
CC. Telescoping		per foot	$50.00		$0.00
DD. Rock Drilling		per foot	$58.00		$0.00
E1. 2" Rock Coring		per foot	$30.90		$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40		$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00		$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00		$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00		$0.00
K. Re-develop Existing Well		per foot	$11.00		$0.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product ***					
A1. Groundwater Purge	27	per well/receptor	$60.00		$1,620.00
B1. Air or Vapors		per receptor	$12.00		$0.00
C1. Water Supply	1	per well/receptor	$22.00		$22.00
D1. Groundwater (No Purge or Duplicate	2	per well/receptor	$28.00		$56.00
E1. Gauge Well only		per well	$7.00		$0.00
F1. Sample Below Product		per well	$12.00		$0.00
G1. Passive Diffusion Bag		each	$26.00		$0.00
H1. Field Blank	1	each	$24.60		$24.60

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(82	32	per sample	$122.00		$3,904.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011	31	per sample	$45.20		$1,401.20
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. Analyses-Soil					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. Analyses-Air					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. Analyses-Free Phase Product					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. Aquifer Characterization					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. **Free Product Recovery Rate Test***		each	$38.00		$0.00
14. Fate/Transport Modeling					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. Risk Evaluation					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. **Subsequent Survey***		each	$260.00		$0.00
17. Disposal (gallons or tons)*					
AA. Wastewater	300	gallon	$0.56		$168.00
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal		ton	$60.00		$0.00
D1. Drilling fluids		gallon	$0.42		$0.00
18. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. Tier I Assessment (Use DHEC 3665 form)		standard			$0.00
21. IGWA (Use DHEC 3666 form)		standard			$0.00
22. Corrective Action (Use DHEC 3667 form)		PFP Bid			$0.00

23. **Aggressive Fluid & Vapor Recovery (AFVR)**					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. **Granulated Activated Carbon (GAC) filter system installation & service:**					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. **Well Repair**					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
I1. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Coordination	12%	percent	$8,191.80		$983.02
TOTAL					$9,174.82

*The appropriate mobilization cost can be added to complete these tasks, as necessary. DHEC

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

MR MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

NOV 0 6 2015

Re: **Groundwater Sampling Directive**
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit #02261; CA #51460
Release #2 Reported October 11, 2012
Site Specific Work Plan Received October 16, 2015
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division (Division) of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced Site Specific Work Plan submitted on your behalf by Geological Resources, Inc. This scope of work will include comprehensive groundwater sampling to evaluate current site conditions. All work should be conducted in accordance with the current revision of the UST Quality Assurance Program Plan (QAPP) and must be conducted in compliance with all applicable regulations. A copy of the current revision of the Agency's QAPP for the UST Management Division is available at https://www.scdhec.gov/environment/lw/ust/ReleaseAssessmentClean-up/QualityAssurance/.

Activities at the site should begin immediately upon receipt of this letter. **Cost agreement #51460** has been approved for the amount shown on the enclosed cost agreement form for a comprehensive groundwater sampling event. Groundwater samples will be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, 8 Oxygenates and EDB. Any wells with screens not bracketing the water table should be purged prior to sampling. Sampling and analyses should be conducted in accordance with Appendix F of the QAPP, Rev. 3.0, and to include duplicate samples, field and trip blanks.

The Monitoring Report and invoice are due within 60 days from the date of this letter. The report submitted at the completion of these activities should include the required information outlined in the QAPP. Please note that all applicable South Carolina certification requirements apply to the services and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

Geological Resources, Inc. can submit an invoice for direct payment from State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. Please note that applicable South Carolina certification requirements regarding the services and report preparation must be satisfied. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note; if unnecessary dilutions are completed resulting in reporting limits of individual Chemicals of Concern in excess of Risk-Based Screening Levels (RBSLs), the data cannot be used. In those cases, the Division may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL. The UST Management Division encourages the use of 'J' values as necessary so the appropriate action can be determined for a release.

The Agency grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. The transport and disposal must be conducted in accordance with the QAPP. If the CoC concentrations based on laboratory analysis are below RBSLs, please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference **UST Permit #02261** and **CA #51460**. If you have any questions regarding this correspondence, please contact me by telephone at (803) 898-0607 or by e-mail at thrasham@dhec.sc.gov.

Sincerely,

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Geological Resources, Inc., 3502 Hayes Rd., Monroe, NC 28110 (w/ enc)
Technical File (w/ enc)

Approved Cost Agreement 51460

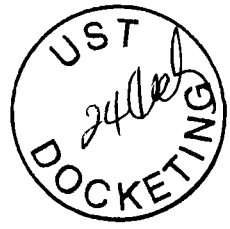
Facility 02261 CAROLINA COUNTRY CONVENIENCE
THRASHAM
PO Number

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
01 PLAN						
		A1	SITE SPECIFIC WORK PLAN	1 0000	150 00	150 00
04 MOB/DEMOB						
		B1	PERSONNEL	2.0000	423.00	846 00
10 SAMPLE COLLECTION						
		A1	GROUNDWATER (PURGE)	27 0000	60 00	1,620 00
		C1	WATER SUPPLY	1.0000	22 00	22 00
		D1	GROUNDWATER NO PURGE/DUPLICATE	2 0000	28 00	56.00
		H1	FIELD BLANK	1 0000	24 60	24.60
11 ANALYSES						
	GW GROUNDWATER	A2	BTEXNM+OXYGS+1,2-DCA+ETH-8260B	32 0000	122 00	3,904 00
		F1	EDB BY 8011	31.0000	45.20	1,401 20
17 DISPOSAL						
		AA	WASTEWATER	300 0000	0 56	168 00
19 RPT/PROJECT MNGT & COORDINATIO						
		PRT	REPORT PREPARATION	0 1200	8,191 80	983 02
				Total Amount		9,174 82

Geological Resources, Inc.

December 15, 2015

Ms. Ashleigh Thrash
SCDHEC-Underground Storage Tank Management Division
Bureau of Land & Waste Management
2600 Bull Street
Columbia, SC 29201



Re: Ground Water Monitoring Report
November 2015
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County, SC
UST Permit Number: 02261
GRI Project No: 3289

Dear Ms. Thrash,

Please find enclosed the referenced report for the above mentioned site. If you have any questions, please do not hesitate to contact Scott Ball at (704) 845-4010.

Sincerely,
Geological Resources, Inc.

Jackie Donnelly
Project Coordinator

Enclosure

cc: Mr. Michael Wallace, Carolina Country, LLC
file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

GROUND WATER MONITORING REPORT
NOVEMBER 2015
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, SOUTH CAROLINA
CHESTERFIELD COUNTY
UST PERMIT #02261
GRI PROJECT NO. 3289

Prepared for:

Michael Wallace
Carolina Country LLC
1908 Highway 601 North
Pageland, South Carolina 29728

Prepared by:

Geological Resources, Inc.
3502 Hayes Road
Monroe, North Carolina 28110
Class 1 UST Site Rehabilitation Contractor # 74

December 15, 2015

W. Scott Ball
Senior Project Manager

John M. Brown
License Number 1116

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 FACILITY INFORMATION 1

3.0 GROUND WATER QUALITY 2

4.0 QA/QC 4

5.0 CONCLUSIONS AND RECOMMENDATIONS 4

6.0 LIMITATIONS 5

FIGURES

Figure 1: Site Location Map
Figure 2: Site Vicinity Map
Figure 3: Site Map
Figure 4: Potentiometric Surface Map – Type III Monitoring Wells
Figure 5: Potentiometric Surface Map – Telescoping Wells
Figure 6: Ground Water Quality Map – Type III Wells (11/23/15)
Figure 7: Ground Water Quality Map – Telescoping Wells (11/23/15)

TABLES

Table 1: Summary of Ground Water Elevation Data
Table 2: Summary of Ground Water Analytical Results – Chemicals of Concern
Table 3: Summary of Ground Water Analytical Results – Oxygenates

APPENDICES

Appendix A: Laboratory Analytical Report – Ground Water Samples
Appendix B: Field Data Information Sheets
Appendix C: Disposal Manifest
Appendix D: Contractor Checklist

1.0 INTRODUCTION

This report presents the results of the ground water sampling activities conducted in November 2015 at the Carolina Country Convenience site located at 1908 Highway 601 North, Pageland, Chesterfield County, South Carolina (**Figure 1** and **Figure 2**). The activities were conducted in accordance with the "Groundwater Sampling Directive" dated November 6, 2015, from the South Carolina Department of Health and Environmental Control SCDHEC. The purpose of the activities was to obtain current ground water quality data for the site. The site is currently operating as convenience store/petroleum retail facility/used auto sales called Carolina Country Convenience. The area surrounding the site is mixed use to include residential, agricultural and limited business. Three gasoline underground storage tanks (USTs) and associated piping and dispensers are currently in operation at the site.

A release (#1) from the UST system was reported at the site on September 30, 2008 and closed with a notice of No Further Action on November 6, 2008. A second release was reported at the site on October 11, 2012. An Initial Ground Water Assessment (IGWA) report documenting site assessment activities was submitted to the SCDHEC in October 2013. Based on the IGWA report, both soil and ground water samples exhibited levels of COCs above the RBSLs. Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were installed during previous assessment activities conducted at the site. The last comprehensive ground water sampling event was conducted at the site in April 2015. Three water supply wells were identified within 1,000 feet of the source area during a receptor survey conducted in November 2014 as part of the Tier II assessment. Municipal water is provided to all properties in the area. The former Eddies Pitt Stop facility (UST Permit # 18871) is located across Highway 601 on the adjacent property to the west of the subject site. A release was reported for this facility in August 2002. The release is currently being monitored by the SCDHEC. This report summarizes the November 2015 ground water monitoring activities for the Carolina Country Convenience site which included sampling some of the monitoring wells associated with the Eddies Pit Stop release.

2.0 FACILITY INFORMATION

- **Facility Name:** Carolina Country Convenience
- **Location:** 1908 Highway 601 North
Pageland, Chesterfield County, SC 29728
- **UST Permit No.** 02261

- **Land Use:** Commercial

- **Property Owner:** Wilson, Inc.
  Post Office Box 1839
  Pageland, SC 29721
  (803) 283-8468

- **UST Owner/Operator:** Carolina Country Convenience
  1908 Highway 601 N.
  Pageland, SC 29728
  (843) 672-5527

- **Site Rehabilitation Contractor:** Geological Resources, Inc.
  3502 Hayes Road
  Monroe, North Carolina 28110
  (704) 845-4010
  Class 1, Certification Number 74

- **Laboratory:** Accutest Laboratories - Southeast
  4405 Vineland Road, Suite C-15
  Orlando, FL 32811
  (407) 425-6700
  State Certification Number: 96038001

Release Information:

- **Date Discovered:** October 11, 2012
- **Estimated Amount of Release:** Unknown
- **Source of Release:** Leaking UST System
- **UST Size/Contents:** One 10,000-gallon gasoline UST, and two 6,000-gallon gasoline USTs, associated piping, and dispensers
- **Latitude:** 34.7940878° North **Longitude:** 80.4035483° West

3.0 GROUND WATER QUALITY

Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were gauged, purged and sampled on November 23, 2015. In addition, four Type III monitoring wells (18871 MW-10, 18871 MW-20, 18871 MW-21 and 18771 MW-22) and three telescoping wells (18871 MW-20D, 18871 MW-21D and 18871 MW-22D) which are associated with the #18871 Eddie's Pitt Stop release and are located on the Carolina Country Convenience site were gauged, purged and sampled on November 23, 2015. Water supply well PW-3 was also sampled on November 23, 2015. The depths to ground water in the Type III monitoring wells during the November 2015 gauging event ranged from 5.87 to 24.49 feet below the top of casings. Ground water elevations in the Type III monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from

82.11 to 95.13 feet. Based on this data, the general direction of shallow ground water flow was toward the southeast with a hydraulic low in the vicinity of the Eddie's Pit Stop monitoring wells 18871 MW-10 and 18871 MW-20. The average horizontal hydraulic gradient was approximately 0.03 feet/foot between monitoring wells MW-6 and MW-12. The depths to ground water in the telescoping monitoring wells during the November 2015 gauging event ranged from 10.62 to 25.04 feet below the top of casings. Ground water elevations in the telescoping monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from 85.35 to 88.70 feet. Based on this data, the general direction of ground water flow in the telescoping wells was toward the south. The vertical hydraulic gradients calculated for paired Type III wells and telescoping wells ranged from 0.24 feet per foot upward for 18871 MW-20/MW-20D to 0.11 feet per foot downward for 18871 MW-21/MW-21D. In general, the vertical gradient was upward across the site with the exception of paired wells 18871 MW-21/MW-21D and MW-9/TW-3. A Site Vicinity Map showing the location of water supply well PW-3 has been included as **Figure 2**. A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 3**. A Potentiometric Surface Map based on the November 23, 2015 data for the Type III monitoring wells has been included as **Figure 4**. A Potentiometric Surface Map based on the November 23, 2015 data for the telescoping wells has been included as **Figure 5.** Summaries of ground water elevation data for the November 23, 2015 gauging event are presented in **Table 1**.

Laboratory analyses were performed on the ground water samples collected from the monitoring wells during the November 2015 sampling event for BTEX, MTBE, 1,2-DCA, naphthalene and eight (8) oxygenates using EPA Method 8260 and EDB using EPA Method 8011. Concentrations of one or more BTEX constituents, naphthalene, MTBE, EDB and/or 1,2-DCA that exceeded the risk based screening levels (RBSLs) were reported in the ground water samples collected from MW-1, MW-3, MW-4, MW-10, MW-11, MW-12, MW-13, MW-14, TW-1, TW-4, TW-5, 18871 MW-20, 18871 MW-21, 18871 MW-21D, 18871 MW-22 and 18871 MW-22D. Concentrations of TAA and/or TBA that exceeded the action levels were reported in the ground water samples collected from MW-1, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, 18871 MW-20, 18871 MW-21, 18871 MW-21D, 18871 MW-22 and 18871 MW-22D. No detectable concentrations of requested method constituents were reported for the sample collected from water supply well PW-3. Ground Water Quality Maps based on data from the November 2015 sampling event have been included as **Figures 6** and **7**. Summaries of ground water sample analytical results are presented in **Tables 2** and **3**. A complete laboratory analytical report is attached as **Appendix A**. Field data information sheets have been included as **Appendix B**. A disposal manifest for purge water generated during the sampling activities has been included as **Appendix C**.

4.0 QA/QC

Monitoring well gauging, purging and sampling were conducted in general accordance with the SCDHEC Programmatic QAPP and the approved site specific Contractor Addendum. All wells were sampled with dedicated disposable bailers. All field measurement equipment was properly decontaminated between sampling locations. Duplicate samples from monitoring wells MW-13 and MW-14 and a field blank were collected during the sampling activities. A laboratory supplied trip blank was included in the sample cooler. Laboratory results for MW-13 and MW-13 duplicate, and MW-14 and MW-14 duplicate showed the same compounds at similar concentrations. No detectable concentrations of requested method constituents were reported in the field blank or trip blank. All applicable items on the Contractor Checklist were reviewed and verified. A copy of the Contractor Checklist is included as **Appendix D**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

- Eighteen Type III monitoring wells and nine telescoping wells were gauged, purged and sampled on November 23, 2015. Water supply well PW-3 was also sampled on November 23, 2015.
- No measurable amount of free product was detected in any of the monitoring wells or telescoping wells at the site.
- Concentrations of benzene, toluene, ethylbenzene, xylenes, naphthalene, MTBE, EDB and/or 1,2-DCA that exceeded the RBSLs were reported in the ground water samples collected from MW-1, MW-3, MW-4, MW-10, MW-11, MW-12, MW-13, MW-14, TW-1, TW-4, TW-5, 18871 MW-20, 18871 MW-21, 18871 MW-21D, 18871 MW-22 and 18871 MW-22D. Concentrations of TAA and/or TBA that exceed the action levels were reported in the ground water samples collected from MW-1, MW-10, MW-11, MW-12, MW-13, MW-14, TW-4, 18871 MW-20, 18871 MW-21, 18871 MW-21D, 18871 MW-22 and 18871 MW-22D.
- GRI makes the following recommendations:
    - Ground water sampling at the site should continue as directed by the SCDHEC.
    - The concentrations reported would indicate a significant free product mass in the subsurface. AFVR events should be conducted to reduce contaminant concentrations and safeguard nearby potable wells.

6.0 LIMITATIONS

This report has been prepared for the exclusive use of Mr. Michael Wallace, the owner and operator of the Carolina Country Convenience facility and the SCDHEC for specific application to the referenced site in Chesterfield County, South Carolina. The activities were conducted based on the scope of work and level of effort specified by the SCDHEC and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of geology and hydrogeology practices in the State of South Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data. Please note that certain information contained in this report was not obtained under the direct supervision of GRI personnel. Therefore, GRI cannot verify the accuracy of this information. However, for the purpose of this report, GRI assumes the information is correct.

FIGURES

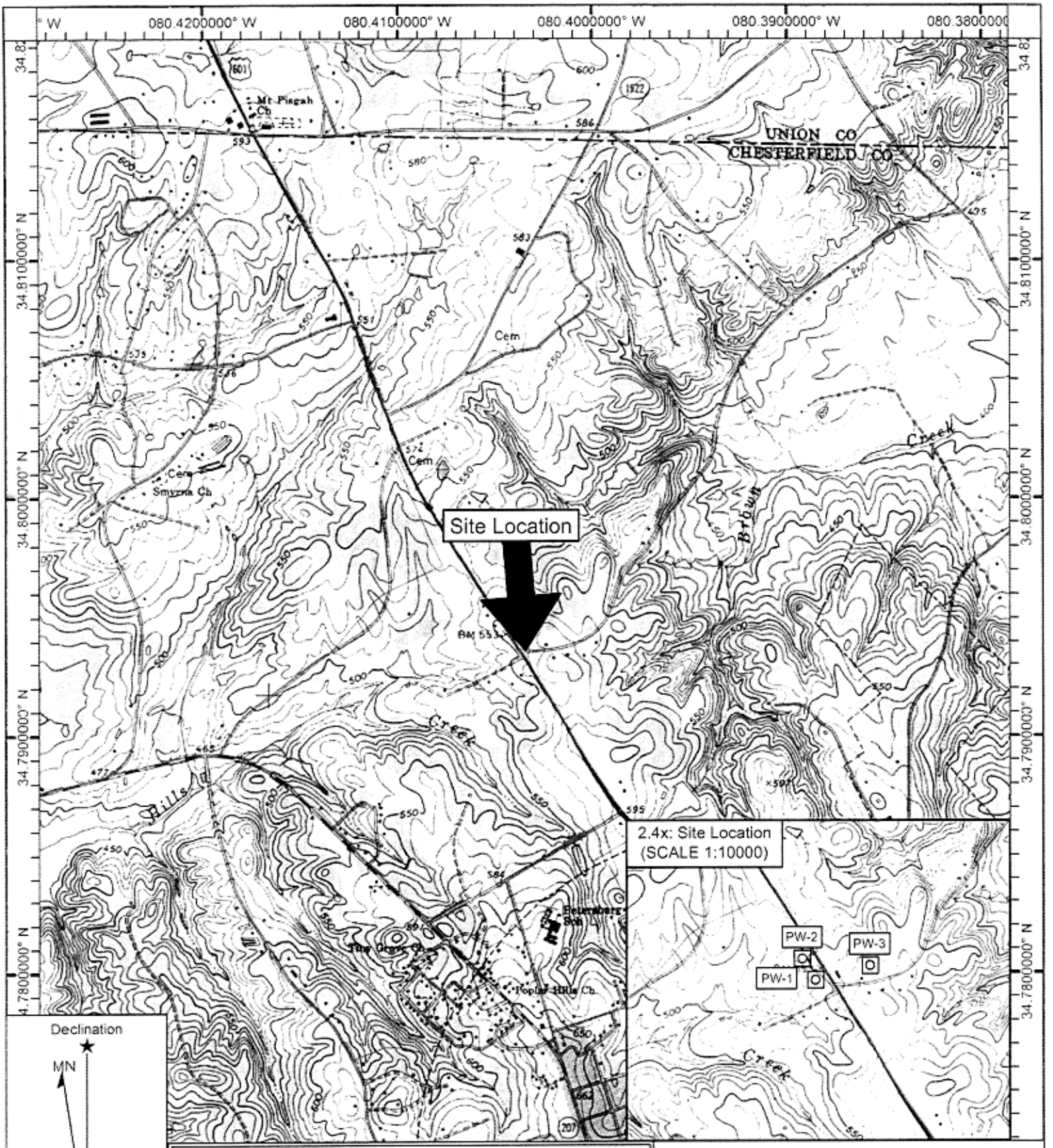


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit # 02261

Name: Topographic Map
Date: 12/09/14
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7940878° N 080.4035483° W

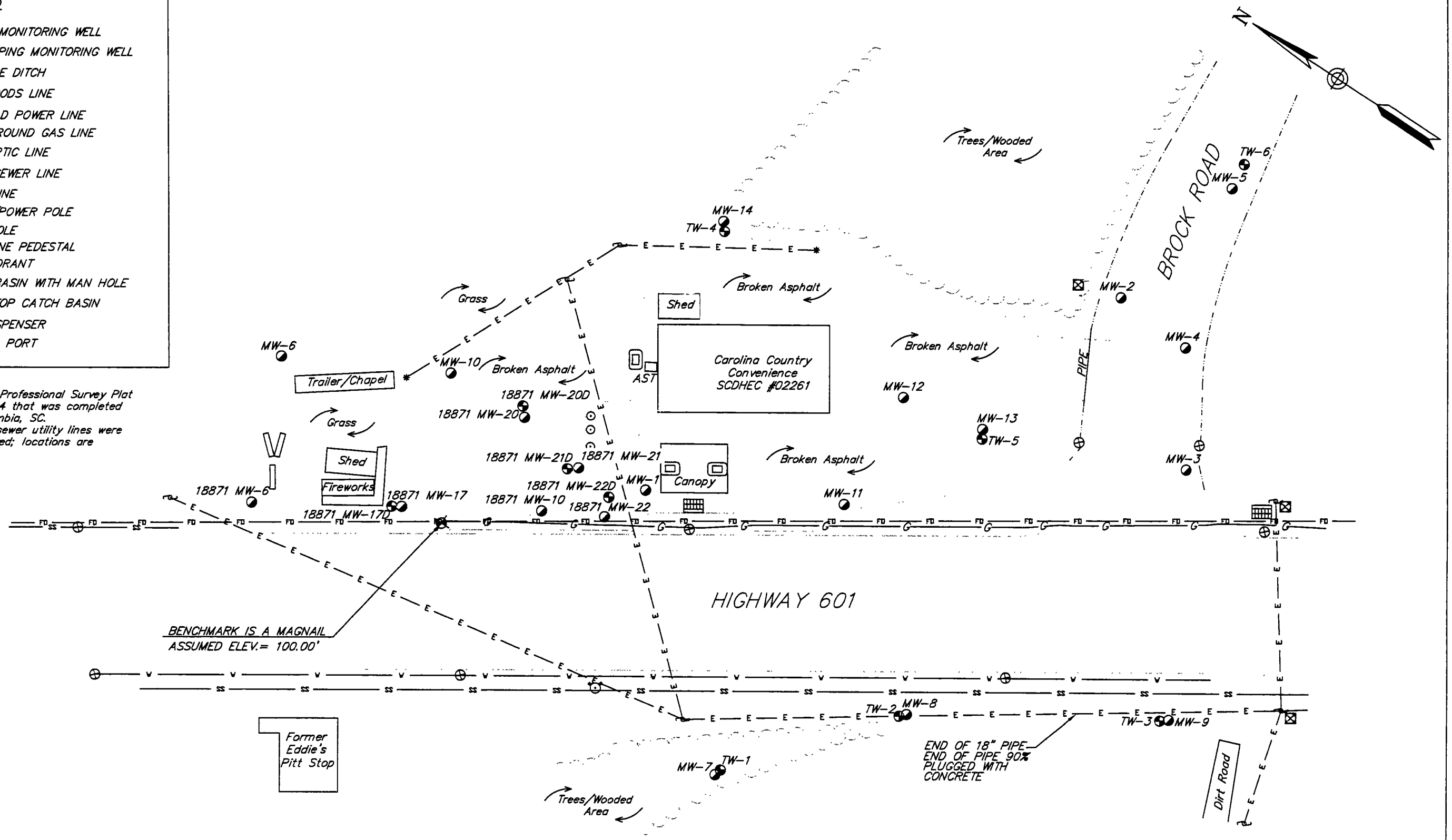
Generated by ECH at Geological Resources, Inc.

N
LEGEND
Water Supply Well
030-000-000-005 Parcel ID Number
Outline of Pond
PW-2
PW-1
030-000-000-003
030-000-000-005
030-000-000-004
030-000-000-007
SITE
PW-3
030-000-000-006
BROCKROAD
HIGHWAY 601 NORTH
019-000-000-038
030-000-000-008
030-000-000-012
POND
1,000-FT RADIUS
POND
0 100 200 400 Feet
1 INCH = 200 FEET
FIGURE 2: SITE VICINITY MAP
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, CHESTERFIELD COUNTY
SOUTH CAOLINA
UST PERMIT # 02261
PREPARED BY:
GEOLOGICAL RESOURCES INC.
MAY 13, 2015
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

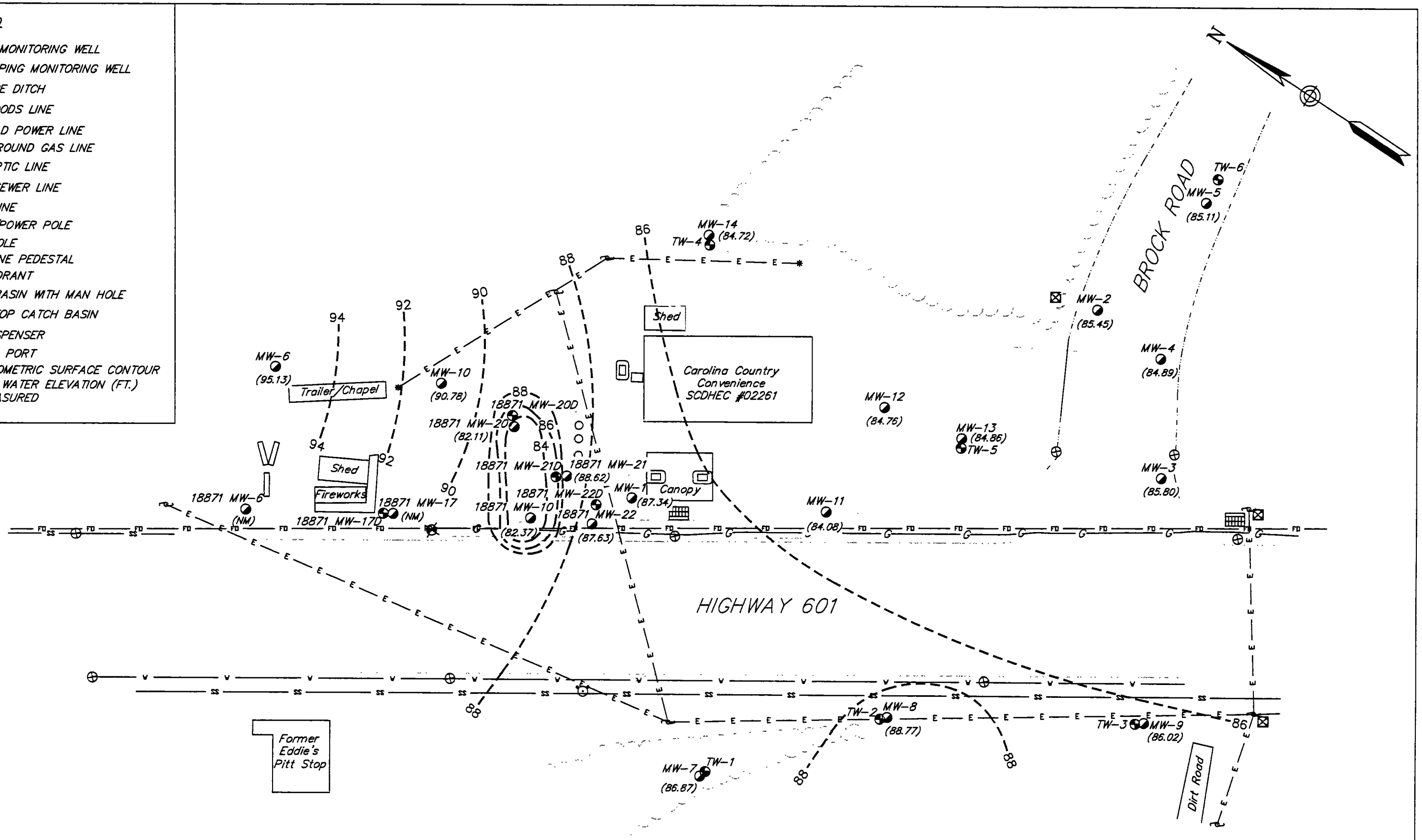
Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date: 12/15/15 | Drawn by: ECH | Figure: 3

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 90 — POTENTIOMETRIC SURFACE CONTOUR
- (90.18) — GROUND WATER ELEVATION (FT.)
- (NM) — NOT MEASURED



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

POTENTIOMETRIC SURFACE MAP – TYPE III WELLS (11/23/15)

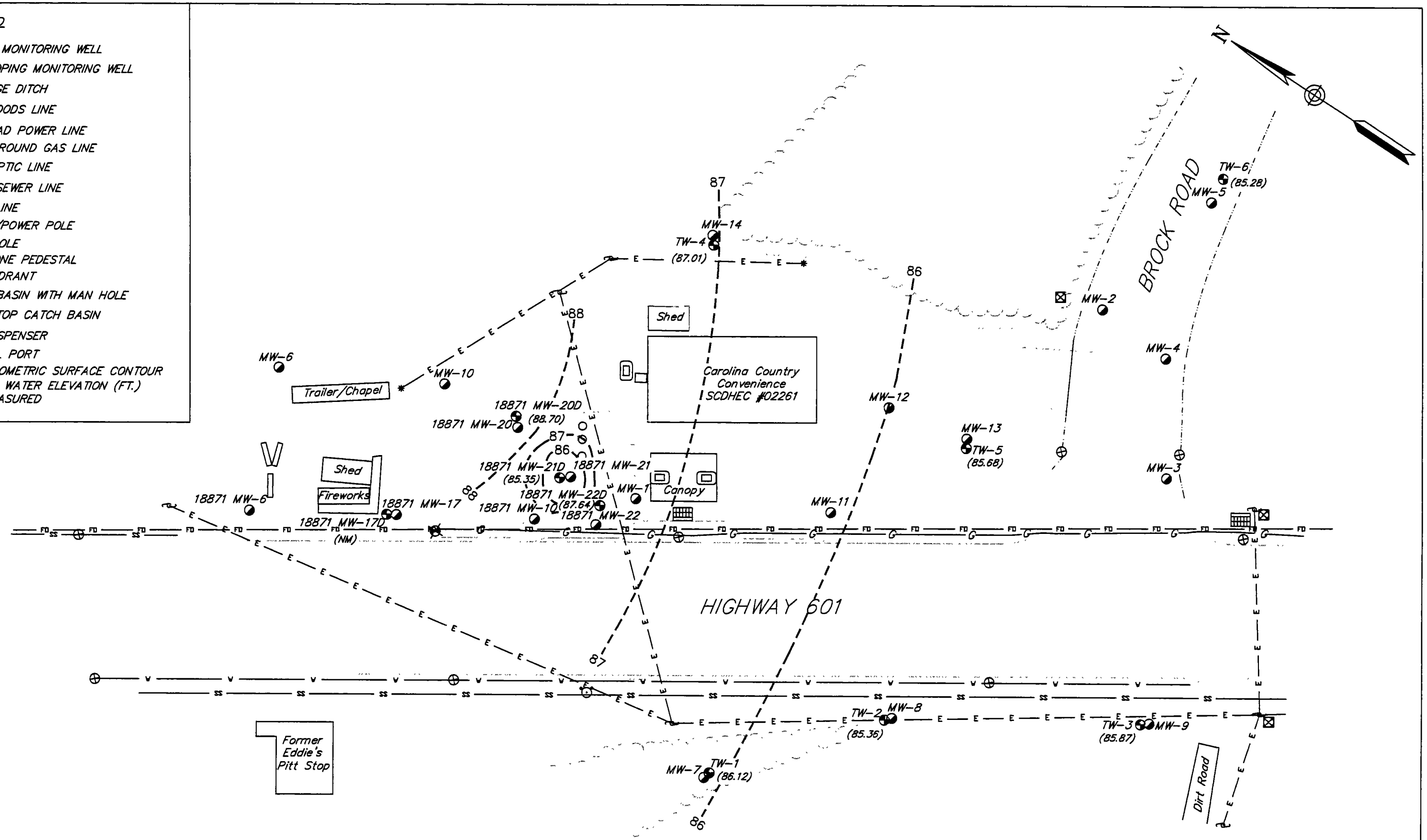
Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date: 12/15/15 | Drawn by: ECH | Figure: 4

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 86 — POTENTIOMETRIC SURFACE CONTOUR
- (86.12) — GROUND WATER ELEVATION (FT.)
- (NM) — NOT MEASURED



0 25 50 100

(IN FEET)
1 inch = 50 ft

Geological Resources, Inc.

POTENTIOMETRIC SURFACE MAP – TELESCOPING WELLS (11/23/15)

Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date:	12/15/15	Drawn by:	ECH	Figure:	5

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- E — E — OVERHEAD POWER LINE
- G — UNDERGROUND GAS LINE
- FO — FIBER OPTIC LINE
- SS — STORM SEWER LINE
- W — WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

18,400	BENZENE
3,730	TOLUENE
1,410	ETHYLBENZENE
7,350	XYLENES
1,880	MTBE
322 J	NAPHTHALENE
700	1,2-DCA
67.4	EDB

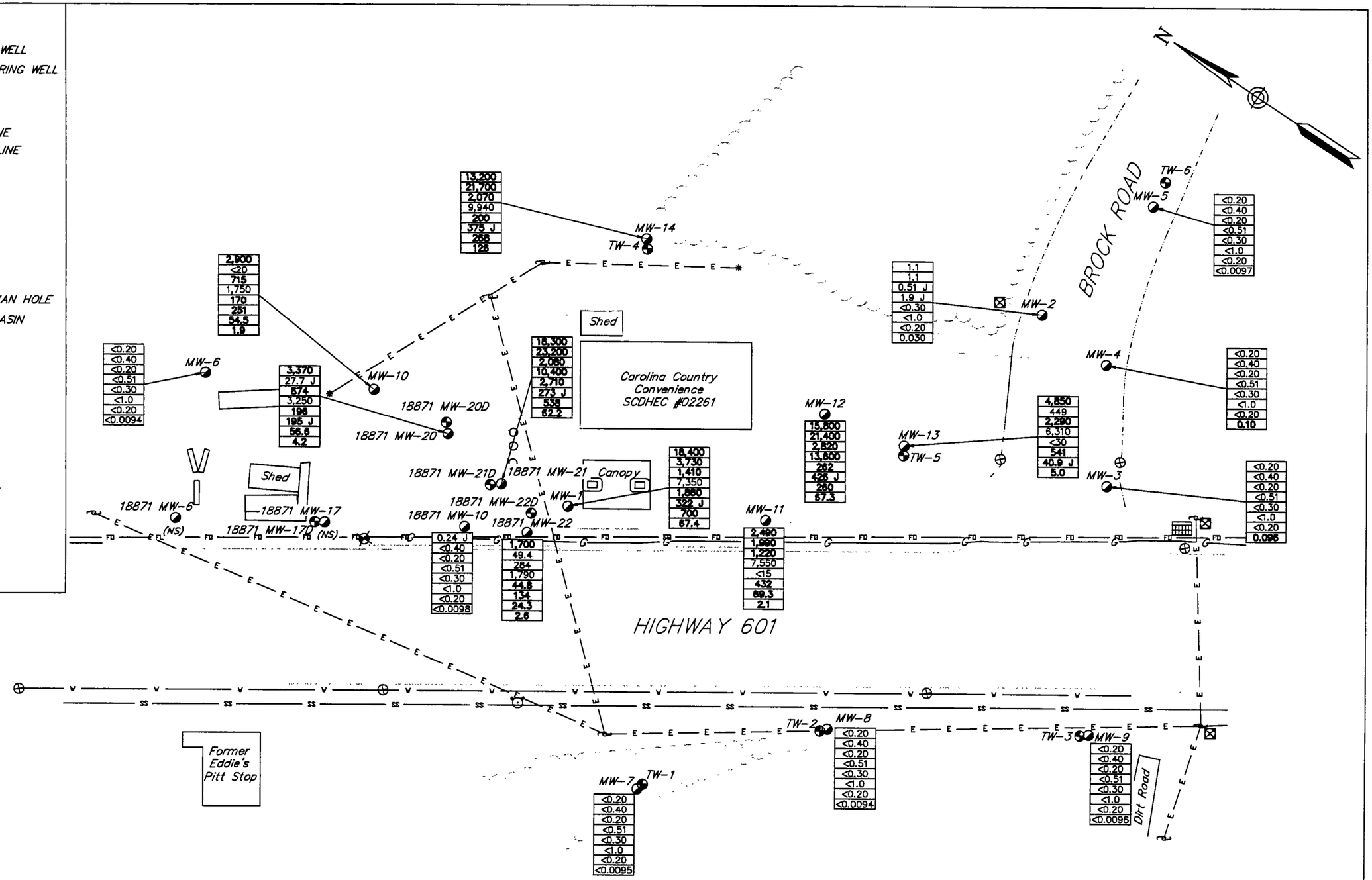
CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

(NS) NOT SAMPLED

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE RBSL



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP – TYPE III WELLS (11/23/15)

Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date:	12/15/15	Drawn by:	ECH	Figure:	6

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

<0.20	BENZENE
<0.40	TOLUENE
<0.20	ETHYLBENZENE
<0.51	XYLENES
<0.30	MTBE
<1.0	NAPHTHALENE
<0.20	1,2-DCA
0.075	EDB

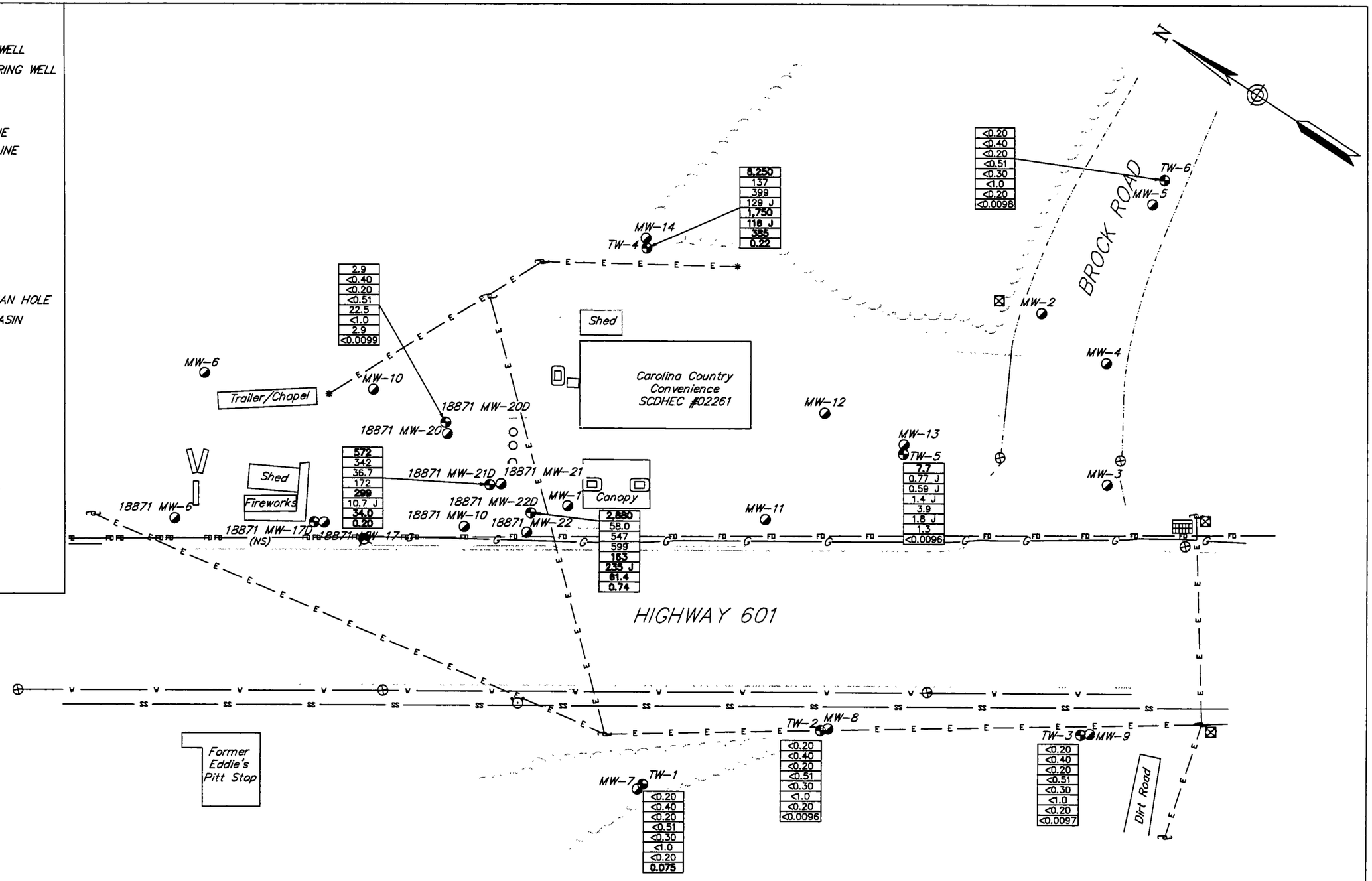
CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

(NS) NOT SAMPLED

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE RBSL



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP – TELESCOPING WELLS (11/23/15)

Carolina Country Convenience — 1908 Highway 601 North

Pageland, Chesterfield County, SC — UST Permit # 02261

Date: 12/15/15 | Drawn by: ECH | Figure: 7

TABLES

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-1	08/09/13	NM	---	12.39	---	---	35	25-35	
	11/18/14	101.09	---	23.88	---	77.21			
	04/27/15		---	10.91	---	90.18			
	11/23/15		---	13.75	---	87.34			
02261 MW-2	11/18/14	105.45	---	29.17	---	76.28	42	37-42	
	04/27/15		---	14.88	---	90.57			
	11/23/15		---	20.00	---	85.45			
02261 MW-3	11/18/14	102.34	---	25.80	---	76.54	42	37-42	
	04/27/15		---	11.45	---	90.89			
	11/23/15		---	16.54	---	85.80			
02261 MW-4	11/18/14	103.89	---	27.43	---	76.46	42	37-42	
	04/27/15		---	13.93	---	89.96			
	11/23/15		---	19.00	---	84.89			
02261 MW-5	11/18/14	109.60	---	33.30	---	76.30	42	37-42	
	04/27/15		---	20.20	---	89.40			
	11/23/15		---	24.49	---	85.11			
02261 MW-6	11/18/14	101.00	---	20.86	---	80.14	35	30-35	
	04/27/15		---	8.43	---	92.57			
	11/23/15		---	5.87	---	95.13			
02261 MW-7	11/18/14	96.55	---	20.60	---	75.95	30	25-30	
	04/27/15		---	7.17	---	89.38			
	11/23/15		---	9.68	---	86.87			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-8	11/18/14	97.79	---	20.75	---	77.04	30	25-30	
	04/27/15		---	7.79	---	90.00			
	11/23/15		---	9.02	---	88.77			
02261 MW-9	11/18/14	101.45	---	25.04	---	76.41	30	25-30	
	04/27/15		---	11.09	---	90.36			
	11/23/15		---	15.43	---	86.02			
02261 MW-10	11/18/14	102.08	---	24.02	---	78.06	35	30-35	
	04/27/15		---	12.66	---	89.42			
	11/23/15			11.30	---	90.78			
02261 MW-11	11/18/14	101.41	---	24.63	---	76.78	35	30-35	
	04/27/15		---	13.60	---	87.81			
	11/23/15		---	17.33	---	84.08			
02261 MW-12	11/18/14	103.43	---	26.88	---	76.55	35	30-35	
	04/27/15		---	13.12	---	90.31			
	11/23/15		---	18.67	---	84.76			
02261 MW-13	11/18/14	102.12	---	25.53	---	76.59	35	30-35	
	04/27/15		---	11.52	---	90.60			
	11/23/15		---	17.26	---	84.86			
02261 MW-14	11/18/14	104.11	---	27.80	---	76.31	35	30-35	
	04/27/15		---	15.93	---	88.18			
	11/23/15		---	19.39	---	84.72			
02261 TW-1	11/18/14	96.74	---	20.91	---	75.83	56	51-56	
	04/27/15		---	7.80	---	88.94			
	11/23/15		---	10.62	---	86.12			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 TW-2	11/18/14	97.63	---	21.72	---	75.91	56	51-56	
	04/27/15		---	8.12	---	89.51			
	11/23/15		---	12.27	---	85.36			
02261 TW-3	11/18/14	101.30	---	25.01	---	76.29	56	51-56	
	04/27/15		---	10.90	---	90.40			
	11/23/15		---	15.43	---	85.87			
02261 TW-4	11/18/14	104.00	---	27.44	---	76.56	61	56-61	
	04/27/15		---	14.17	---	89.83			
	11/23/15		---	16.99	---	87.01			
02261 TW-5	11/18/14	102.09	---	25.47	---	76.62	61	56-61	
	04/27/15		---	11.94	---	90.15			
	11/23/15		---	16.41	---	85.68			
02261 TW-6	04/27/15	110.32	---	19.17	---	91.15	68	63-68	
	11/23/15		---	25.04	---	85.28			
18871 MW-10	11/18/14	100.03	---	19.70	---	80.33	35	25-35	
	11/23/15		---	17.66	---	82.37			
18871 MW-20	11/18/14	101.77	---	23.18	---	78.59	35	25-35	
	11/23/15		---	19.66	---	82.11			
18871 MW-20D	11/18/14	101.93	---	27.53	---	74.40	60	55-60	
	11/23/15		---	13.23	---	88.70			
18871 MW-21	11/18/14	101.00	---	21.56	---	79.44	35	25-35	
	11/23/15		---	12.38	---	88.62			
18871 MW-21D	11/18/14	101.04	---	18.68	---	82.36	60	55-60	
	11/23/15		---	15.69	---	85.35			
18871 MW-22	11/18/14	100.24	---	23.16	---	77.08	35	25-35	
	11/23/15		---	12.61	---	87.63			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
18871 MW-22D	11/18/14	100.55	---	23.81	---	76.74	60	55-60	
	11/23/15		---	12.91	---	87.64			

Notes:

- Elevations relative to temporary benchmark set at 100.00 ft ; data reported in feet.
- NM: Not measured.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-1	08/09/13	**19,000**	**7,150**	**1,700**	8,910	**2,360**	**469 J**	**794**	**104**	7.9
	11/19/14	**23,400**	**10,200**	**1,780**	9,590	**2,900**	**520 J**	**934**	**123**	6.5
	04/27/15	**20,100**	**13,000**	**1,380**	6,830	**2,030**	**640 J**	**683**	**113**	NR
	11/23/15	**18,400**	**3,730**	**1,410**	7,350	**1,860**	**322 J**	**700**	**67.4**	NR
02261 MW-1 DUP A	08/09/13	**19,700**	**7,910**	**1,710**	9,110	**2,440**	**494 J**	**820**	**107**	12.2
	11/19/14	**22,100**	**10,400**	**1,640**	9,020	**2,640**	**665 J**	**873**	**138**	**56.3**
	04/27/15	**18,900**	**13,100**	**1,310**	6,680	**2,010**	**449 J**	**617**	**131**	NR
02261 MW-2	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.046	**106**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	11/23/15	1.1	1.1	0.51 J	1.9 J	<0.30	<1.0	<0.20	0.030	NR
02261 MW-3	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.028	**49.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	0.025	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.096**	NR
02261 MW-4	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.020	**48.9**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0095	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.10**	NR
02261 MW-5	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
00261 MW-5 DUP B	04/27/15	<0.50	<1.0	<0.50	<1.3	<0.75	<2.5	<0.50	<0.0096	NR
02261 MW-6	11/18/14	<0.24	<0.20	<0.28	<0.66	0.67 J	<1.0	<0.24	<0.0096	7.1
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-7	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	5.9
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0095	NR
02261 MW-8	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0091	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
02261 MW-9	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	6.6
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
02261 MW-10	11/18/14	**9.3**	<0.20	<0.28	3.4	0.83 J	<1.0	0.34 J	<0.0094	9.9
	04/27/15	2.0	<0.40	<0.20	<0.51	0.32 J	<1.0	<0.20	<0.0093	NR
	11/23/15	**2,900**	<20	**715**	1,750	**170**	**251**	**54.5**	**1.9**	NR
02261 MW-11	11/19/14	**18,100**	**6,040**	**2,590**	**12,900**	**671**	**569 J**	**530**	**44.9**	9.1
	04/27/15	**8,540**	**16,700**	**2,230**	**12,400**	**193 J**	**595 J**	**154 J**	**55.4**	NR
	11/23/15	**2,490**	**1,990**	**1,220**	7,550	<15	**432**	**69.3**	**2.1**	NR
02261 MW-12	11/19/14	**14,400**	**19,800**	**2,230**	**12,400**	**356**	**494 J**	**308**	**81.6**	<5.0
	04/27/15	**13,800**	**21,100**	**2,190**	**11,000**	**305**	**555 J**	**271**	**77.5**	NR
	11/23/15	**15,800**	**21,400**	**2,820**	**13,600**	**262**	**426 J**	**260**	**67.3**	NR
02261 MW-13	11/19/14	**4,600**	478	**1,930**	6,420	**40.7 J**	**561**	**45.3 J**	**4.6**	**23.3**
	04/27/15	**4,220**	432	**2,200**	6,520	26.4 J	**848**	**29.9 J**	**4.2**	NR
	11/23/15	**4,850**	449	**2,290**	6,310	<30	**541**	**40.9 J**	**5.0**	NR
00261 MW-13 DUP A	11/23/15	**4,880**	417	**2,190**	6,260	<30	**531**	**42.8 J**	**4.8**	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-14	11/19/14	**11,200**	**18,300**	**1,520**	8,560	**221**	**468 J**	**268**	**153**	<5.0
	04/27/15	**11,700**	**16,300**	**1,440**	7,500	**232**	**508 J**	**273**	**170**	NR
	11/23/15	**13,200**	**21,700**	**2,070**	9,940	**200**	**375 J**	**268**	**126**	NR
02261 MW-14 DUP B	11/19/14	**11,500**	**19,300**	**1,710**	9,230	**213**	**461 J**	**261**	**121**	7.5
	11/23/15	**10,800**	**19,900**	**1,670**	8,030	**186 J**	**338 J**	**256**	**135**	NR
02261 TW-1	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.045	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0099	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.075**	NR
02261 TW-2	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	0.23 J	<0.0095	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
02261 TW-3	11/20/14	<0.24	0.94 J	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	**58.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
02261 TW-4	11/19/14	**9,700**	168	698	720	**1,870**	**214 J**	**415**	**1.9**	**66.4**
	04/27/15	**10,300**	286	**821**	1,050	**1,720**	**332 J**	**333**	**0.88**	NR
	11/23/15	**8,250**	137	399	129 J	**1,750**	**116 J**	**385**	**0.22**	NR
02261 TW-5	11/19/14	**3,240**	654	**1,670**	5,840	**65.4**	**577**	**53.0**	**3.5**	**70.8**
	04/27/15	**95.8**	5.7	54.0	112	13.7	**64.6**	**8.8**	**0.25**	NR
	11/23/15	**7.7**	0.77 J	0.59 J	1.4 J	3.9	1.8 J	1.3	<0.0096	NR
02261 TW-6	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
18871 MW-10	11/19/14	**2,460**	13.0 J	546	1,490	**181**	**277**	**52.7**	**1.5**	**29.6**
	11/23/15	0.24 J	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
18871 MW-20	11/18/14	**3,760**	24.2 J	671	3,420	**268**	**255**	**64.3**	**3.5**	**49.8**
	11/23/15	**3,370**	27.7 J	**874**	3,250	**196**	**195 J**	**56.6**	**4.2**	NR
18871 MW-20D	11/19/14	1.9	<0.20	<0.28	<0.66	15.2	<1.0	1.1	**0.057**	**34.8**
	11/23/15	2.9	<0.40	<0.20	<0.51	22.5	<1.0	2.9	<0.0099	NR
18871 MW-21	11/19/14	**16,300**	**21,000**	**1,710**	9,690	**3,670**	**360**	**676**	**85.5**	14.9
	11/23/15	**18,300**	**23,200**	**2,080**	**10,400**	**2,710**	**273 J**	**538**	**62.2**	NR
18871 MW-21D	11/19/14	**950**	613	42.1	225	**482**	**28.7 J**	**55.4**	**0.60**	<5.0
	11/23/15	**572**	342	36.7	172	**299**	10.7 J	**34.0**	**0.20**	NR
18871 MW-22	11/19/14	**1,490**	44.4	304	1,970	**41.2**	**181**	**24.5 J**	**4.5**	6.9
	11/23/15	**1,700**	49.4	284	1,790	**44.8**	**134**	**24.3**	**2.6**	NR
18871 MW-22D	11/19/14	**2,250**	63.2	519	771	**99.0**	**266**	**35.4**	**1.4**	**23.0**
	11/23/15	**2,880**	58.0	547	599	**163**	**235 J**	**61.4**	**0.74**	NR
PW-2	08/09/13	1.0	0.28 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0093	NR
	11/19/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
PW-3	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	0.043	NR
TRIP BLK	08/09/13	<0.21	<0.20	<0.29	<0.50	<0.21	<1.0	<0.22	NR	NR
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	NR	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	NR	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	NR	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
FIELD BLK	08/09/13	<0.21	0.26 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0094	<5.0
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR

Notes:
- Analyses for BTEX, MTBE, naphthalene and 1, 2-DCA by EPA Method 8260B, EDB by Method 8011 and lead by EPA Method 3010/6010; results reported in µg/l.
- RBSL: May 2001 Risk Based Screening Level.
- Concentrations in bold face type exceeded the RBSL.
- <: Less than the report limit specified in the laboratory report.
- J: Estimated value.
- NS: Not sampled.
- NR: Analysis not requested.

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NA**	**10,000**	**47**	**240**	**128**	**1,400**	**NA**
02261 MW-1	11/19/14	<57	<950	<5,800	<50	**45,200**	<55	**28,500**	<1,000
	04/27/15	8.1	<2,500	<35	<0.20	**40,400**	15.4	**23,600**	<1,000
	11/23/15	<40	<2,000	<7,000	<40	**32,200**	<44	**18,900**	<800
02261 MW-1 DUP A	11/19/14	<57	<950	<5,800	<50	**41,000**	<55	**26,000**	<1,000
	04/27/15	<50	<2,500	<8,800	<50	**36,500**	<55	**26,600**	<1,000
02261 MW-2	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-3	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-4	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-5	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-5 DUP B	04/27/15	<0.50	<25	<88	<0.50	<20	<0.55	<14	<10
02261 MW-6	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NA**	**10,000**	**47**	**240**	**128**	**1,400**	**NA**
02261 MW-7	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-8	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-9	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 MW-10	11/18/14	<0.23	<3.8	<23	<0.20	54.5	<0.22	12.3 J	<4.0
	04/27/15	<0.20	<10	<35	<0.20	21.9	<0.22	8.8 J	<4.0
	11/23/15	<10	<500	<1,800	<10	**2,570**	<11	**1,630**	<200
02261 MW-11	11/19/14	<45	<760	<4,600	<40	**88,000**	106 J	**6,100**	<810
	04/27/15	<40	<2,000	<7,000	<40	**17,500**	<44	<1,100	<800
	11/23/15	<10	<500	<1,800	<10	**8,950**	<11	<270	<200
02261 MW-12	11/19/14	<45	<760	<4,600	<40	**34,100**	<44	**3,420 J**	<810
	04/27/15	<50	<2,500	<8,800	<50	**34,500**	<55	<1,400	<1,000
	11/23/15	<40	<2,000	<18,000	<40	**29,300**	<44	<1,100	<800
02261 MW-13	11/19/14	<23	<380	<2,300	<20	**9,820**	<22	<880	<400
	04/27/15	<10	<500	<1,800	<10	**7,810**	<11	<270	<200
	11/23/15	<20	<1,000	<3,500	<20	**8,420**	<22	<540	<400
02261 MW-13 DUP A	11/23/15	<20	<1,000	<3,500	<20	**7,890**	<22	<540	<400

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NA**	**10,000**	**47**	**240**	**128**	**1,400**	**NA**
02261 MW-14	11/19/14	<45	<760	<4,600	<40	**23,600**	<44	**2,040 J**	<810
	04/27/15	<40	<2,000	<7,000	<40	**27,100**	72.6 J	<1,100	<800
	11/23/15	<40	<2,000	<18,000	<40	**24,100**	<44	<1,100	<800
02261 MW-14 DUP B	11/19/14	<45	<760	<4,600	<40	**21,900**	<44	**2,220 J**	<810
	11/23/15	<40	<2,000	<7,000	<40	**20,800**	<44	<1,100	<800
02261 TW-1	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 TW-2	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 TW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
02261 TW-4	11/19/14	<23	<380	<2,300	<20	**12,400**	65.1 J	**2,580**	<400
	04/27/15	<20	<1,000	<3,500	<20	**11,600**	79.0 J	<540	<400
	11/23/15	<20	<1,000	<3,500	<20	**10,100**	59.5 J	<540	<400
02261 TW-5	11/19/14	<11	<190	<1,200	<10	**9,690**	<11	892 J	<200
	04/27/15	<0.20	<10	<35	<0.20	**1,880**	1.6 J	210	<4.0
	11/23/15	<0.20	<10	<35	<0.20	173	0.51 J	53.2	<4.0
02261 TW-6	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
18871 MW-10	11/19/14	<11	<190	<1,200	<10	**2,200**	<11	**1,560**	<200
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NA**	**10,000**	**47**	**240**	**128**	**1,400**	**NA**
18871 MW-20	11/18/14	<11	<190	<1,200	<10	**3,480**	<11	753 J	<200
	11/23/15	<10	<500	<1,800	<10	**2,870**	<11	<270	<200
18871 MW-20D	11/19/14	<0.23	<3.8	<23	<0.20	7.7 J	0.56 J	20.1	<4.0
	11/23/15	<0.20	<10	<35	<0.20	29.4	1.1 J	<5.4	<4.0
18871 MW-21	11/19/14	14.5	<3.8	<23	<0.20	**32,800**	<0.22	**34,500**	<4.0
	11/23/15	<40	<2,000	<7,000	<40	**31,700**	<44	**29,400**	<800
18871 MW-21D	11/19/14	<4.5	<76	<460	<4.0	**6,020**	6.2 J	**3,470**	<81
	11/23/15	1.8 J	<50	<180	<1.0	**4,000**	4.6 J	**2,210**	<20
18871 MW-22	11/19/14	<5.7	<95	<580	<5.0	**2,140**	<5.5	473 J	<100
	11/23/15	<4.0	<200	<700	<4.0	**2,140**	<4.4	613	<80
18871 MW-22D	11/19/14	<0.45	<7.6	<46	<0.40	**4,200**	<0.44	**1,440**	<8.1
	11/23/15	<10	<500	<1,800	<10	**4,920**	<11	**2,260**	<200
PW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
TRIP BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NA**	**10,000**	**47**	**240**	**128**	**1,400**	**NA**
FIELD BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0

Notes:

- Analyses for selected oxygenates by EPA Method 8260B; results reported in µg/l.
- Concentrations in bold face type exceeded the RBSL.
- J: Estimated value.
- <: Less than the report limit specified in the laboratory report.

APPENDICES

APPENDIX A

Laboratory Analytical Report – Ground Water Samples

Southeast
ACCUTEST
LABORATORIES

12/04/15

Technical Report for

GRI (Geological Resources Inc.)

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

02261

Accutest Job Number: FA29533

Sampling Date: 11/23/15

Report to:

GRI
3502 Hayes Rd
Monroe, NC 28110
wsb@geologicalresourcesinc.com; carriekennedy@geologicalresourcesinc.com;
jjr@geologicalresourcesinc.com; nml@geologicalresourcesinc.com
ATTN: Scott Ball

Total number of pages in report: **110**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Muna Mohammed 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001)
DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177),
AK, AR, GA, KY, MA, NV, OK, UT, WA

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Test results relate only to samples analyzed.

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Accutest Laboratories

Sample Summary

GRI (Geological Resources Inc.)

Job No: FA29533

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Project No: 02261

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA29533-1	11/23/15	16:55	CBAR	11/24/15	AQ	Ground Water	18871 MW-10
FA29533-2	11/23/15	15:27	CBAR	11/24/15	AQ	Ground Water	18871 MW-20
FA29533-3	11/23/15	15:40	CBAR	11/24/15	AQ	Ground Water	18871 MW-20D
FA29533-4	11/23/15	16:32	CBAR	11/24/15	AQ	Ground Water	18871 MW-21
FA29533-5	11/23/15	15:50	CBAR	11/24/15	AQ	Ground Water	18871 MW-21D
FA29533-6	11/23/15	16:53	CBAR	11/24/15	AQ	Ground Water	18871 MW-22
FA29533-7	11/23/15	16:16	CBAR	11/24/15	AQ	Ground Water	18871 MW-22D
FA29533-8	11/23/15	16:17	CBAR	11/24/15	AQ	Ground Water	02261 MW-1
FA29533-9	11/23/15	11:53	CBAR	11/24/15	AQ	Ground Water	02261 MW-2
FA29533-10	11/23/15	12:13	CBAR	11/24/15	AQ	Ground Water	02261 MW-3
FA29533-11	11/23/15	12:11	CBAR	11/24/15	AQ	Ground Water	02261 MW-4
FA29533-12	11/23/15	11:34	CBAR	11/24/15	AQ	Ground Water	02261 MW-5
FA29533-13	11/23/15	15:14	CBAR	11/24/15	AQ	Ground Water	02261 MW-6

Sample Summary
(continued)

GRI (Geological Resources Inc.)

Job No: FA29533

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Project No: 02261

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA29533-14	11/23/15	11:01	CBAR	11/24/15	AQ	Ground Water	02261 MW-7
FA29533-15	11/23/15	10:20	CBAR	11/24/15	AQ	Ground Water	02261 MW-8
FA29533-16	11/23/15	09:53	CBAR	11/24/15	AQ	Ground Water	02261 MW-9
FA29533-17	11/23/15	14:56	CBAR	11/24/15	AQ	Ground Water	02261 MW-10
FA29533-18	11/23/15	14:01	CBAR	11/24/15	AQ	Ground Water	02261 MW-11
FA29533-19	11/23/15	14:01	CBAR	11/24/15	AQ	Ground Water	02261 MW-12
FA29533-20	11/23/15	13:32	CBAR	11/24/15	AQ	Ground Water	02261 MW-13
FA29533-21	11/23/15	14:24	CBAR	11/24/15	AQ	Ground Water	02261 MW-14
FA29533-22	11/23/15	11:16	CBAR	11/24/15	AQ	Ground Water	02261 TW-1
FA29533-23	11/23/15	10:42	CBAR	11/24/15	AQ	Ground Water	02261 TW-2
FA29533-24	11/23/15	09:36	CBAR	11/24/15	AQ	Ground Water	02261 TW-3
FA29533-25	11/23/15	14:34	CBAR	11/24/15	AQ	Ground Water	02261 TW-4
FA29533-26	11/23/15	13:36	CBAR	11/24/15	AQ	Ground Water	02261 TW-5

Sample Summary
(continued)

GRI (Geological Resources Inc.)

Job No: FA29533

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Project No: 02261

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA29533-27	11/23/15	11:42	CBAR	11/24/15	AQ	Ground Water	02261 TW-6
FA29533-28	11/23/15	00:00	CBAR	11/24/15	AQ	Ground Water	02261 DUP A
FA29533-29	11/23/15	00:00	CBAR	11/24/15	AQ	Ground Water	02261 DUP B
FA29533-30	11/23/15	10:07	CBAR	11/24/15	AQ	Ground Water	02261 PW-3
FA29533-31	11/23/15	00:00	CBAR	11/24/15	AQ	Field Blank Water	02261 FIELD BLANK
FA29533-32	11/23/15	00:00	CBAR	11/24/15	AQ	Trip Blank Water	02261 TRIP BLANK

Summary of Hits

Job Number: FA29533
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 11/23/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA29533-1	**18871 MW-10**					
Benzene		0.24 J	1.0	0.20	ug/l	SW846 8260B
FA29533-2	**18871 MW-20**					
Benzene		3370	50	10	ug/l	SW846 8260B
Toluene		27.7 J	50	20	ug/l	SW846 8260B
Ethylbenzene		874	50	10	ug/l	SW846 8260B
Xylene (total)		3250	150	26	ug/l	SW846 8260B
Methyl Tert Butyl Ether		196	50	15	ug/l	SW846 8260B
Naphthalene		195 J	250	50	ug/l	SW846 8260B
1,2-Dichloroethane		56.6	50	10	ug/l	SW846 8260B
Tert-Amyl Alcohol		2870	1000	400	ug/l	SW846 8260B
1,2-Dibromoethane [a]		4.2	0.19	0.093	ug/l	SW846 8011
FA29533-3	**18871 MW-20D**					
Benzene		2.9	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether		22.5	1.0	0.30	ug/l	SW846 8260B
1,2-Dichloroethane		2.9	1.0	0.20	ug/l	SW846 8260B
Tert-Amyl Alcohol		29.4	20	8.1	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		1.1 J	2.0	0.22	ug/l	SW846 8260B
FA29533-4	**18871 MW-21**					
Benzene		18300	200	40	ug/l	SW846 8260B
Toluene		23200	500	200	ug/l	SW846 8260B
Ethylbenzene		2080	200	40	ug/l	SW846 8260B
Xylene (total)		10400	600	100	ug/l	SW846 8260B
Methyl Tert Butyl Ether		2710	200	60	ug/l	SW846 8260B
Naphthalene		273 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		538	200	40	ug/l	SW846 8260B
Tert-Amyl Alcohol		31700	4000	1600	ug/l	SW846 8260B
Tert-Butyl Alcohol		29400	4000	1100	ug/l	SW846 8260B
1,2-Dibromoethane [a]		62.2	1.9	0.95	ug/l	SW846 8011
FA29533-5	**18871 MW-21D**					
Benzene		572	10	2.0	ug/l	SW846 8260B
Toluene		342	5.0	2.0	ug/l	SW846 8260B
Ethylbenzene		36.7	5.0	1.0	ug/l	SW846 8260B
Xylene (total)		172	15	2.6	ug/l	SW846 8260B
Methyl Tert Butyl Ether		299	5.0	1.5	ug/l	SW846 8260B
Naphthalene		10.7 J	25	5.0	ug/l	SW846 8260B

Summary of Hits

Job Number: FA29533
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 11/23/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,2-Dichloroethane		34.0	5.0	1.0	ug/l	SW846 8260B
Di-Isopropyl Ether		1.8 J	5.0	1.0	ug/l	SW846 8260B
Tert-Amyl Alcohol		4000	100	40	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		4.6 J	10	1.1	ug/l	SW846 8260B
Tert-Butyl Alcohol		2210	100	27	ug/l	SW846 8260B
1,2-Dibromoethane [a]		0.20	0.019	0.0096	ug/l	SW846 8011
FA29533-6	**18871 MW-22**					
Benzene		1700	20	4.0	ug/l	SW846 8260B
Toluene		49.4	20	8.0	ug/l	SW846 8260B
Ethylbenzene		284	20	4.0	ug/l	SW846 8260B
Xylene (total)		1790	60	10	ug/l	SW846 8260B
Methyl Tert Butyl Ether		44.8	20	6.0	ug/l	SW846 8260B
Naphthalene		134	100	20	ug/l	SW846 8260B
1,2-Dichloroethane		24.3	20	4.0	ug/l	SW846 8260B
Tert-Amyl Alcohol		2140	400	160	ug/l	SW846 8260B
Tert-Butyl Alcohol		613	400	110	ug/l	SW846 8260B
1,2-Dibromoethane [a]		2.6	0.19	0.094	ug/l	SW846 8011
FA29533-7	**18871 MW-22D**					
Benzene		2880	50	10	ug/l	SW846 8260B
Toluene		58.0	50	20	ug/l	SW846 8260B
Ethylbenzene		547	50	10	ug/l	SW846 8260B
Xylene (total)		599	150	26	ug/l	SW846 8260B
Methyl Tert Butyl Ether		163	50	15	ug/l	SW846 8260B
Naphthalene		235 J	250	50	ug/l	SW846 8260B
1,2-Dichloroethane		61.4	50	10	ug/l	SW846 8260B
Tert-Amyl Alcohol		4920	1000	400	ug/l	SW846 8260B
Tert-Butyl Alcohol		2260	1000	270	ug/l	SW846 8260B
1,2-Dibromoethane [a]		0.74	0.037	0.019	ug/l	SW846 8011
FA29533-8	**02261 MW-1**					
Benzene		18400	200	40	ug/l	SW846 8260B
Toluene		3730	200	80	ug/l	SW846 8260B
Ethylbenzene		1410	200	40	ug/l	SW846 8260B
Xylene (total)		7350	600	100	ug/l	SW846 8260B
Methyl Tert Butyl Ether		1860	200	60	ug/l	SW846 8260B
Naphthalene		322 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		700	200	40	ug/l	SW846 8260B
Tert-Amyl Alcohol		32200	4000	1600	ug/l	SW846 8260B
Tert-Butyl Alcohol		18900	4000	1100	ug/l	SW846 8260B
1,2-Dibromoethane [a]		67.4	1.9	0.93	ug/l	SW846 8011

Summary of Hits

Job Number: FA29533
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 11/23/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA29533-9	**02261 MW-2**					
Benzene		1.1	1.0	0.20	ug/l	SW846 8260B
Toluene		1.1	1.0	0.40	ug/l	SW846 8260B
Ethylbenzene		0.51 J	1.0	0.20	ug/l	SW846 8260B
Xylene (total)		1.9 J	3.0	0.51	ug/l	SW846 8260B
1,2-Dibromoethane [a]		0.030	0.019	0.0094	ug/l	SW846 8011
FA29533-10	**02261 MW-3**					
1,2-Dibromoethane [a]		0.096	0.018	0.0091	ug/l	SW846 8011
FA29533-11	**02261 MW-4**					
1,2-Dibromoethane [a]		0.10	0.019	0.0095	ug/l	SW846 8011
FA29533-12	**02261 MW-5**					
No hits reported in this sample.						
FA29533-13	**02261 MW-6**					
No hits reported in this sample.						
FA29533-14	**02261 MW-7**					
No hits reported in this sample.						
FA29533-15	**02261 MW-8**					
No hits reported in this sample.						
FA29533-16	**02261 MW-9**					
No hits reported in this sample.						
FA29533-17	**02261 MW-10**					
Benzene		2900	50	10	ug/l	SW846 8260B
Ethylbenzene		715	50	10	ug/l	SW846 8260B
Xylene (total)		1750	150	26	ug/l	SW846 8260B
Methyl Tert Butyl Ether		170	50	15	ug/l	SW846 8260B
Naphthalene		251	250	50	ug/l	SW846 8260B
1,2-Dichloroethane		54.5	50	10	ug/l	SW846 8260B

Summary of Hits

Job Number: FA29533
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 11/23/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Tert-Amyl Alcohol		2570	1000	400	ug/l	SW846 8260B
Tert-Butyl Alcohol		1630	1000	270	ug/l	SW846 8260B
1,2-Dibromoethane [a]		1.9	0.18	0.092	ug/l	SW846 8011
FA29533-18	**02261 MW-11**					
Benzene		2490	50	10	ug/l	SW846 8260B
Toluene		1990	50	20	ug/l	SW846 8260B
Ethylbenzene		1220	50	10	ug/l	SW846 8260B
Xylene (total)		7550	150	26	ug/l	SW846 8260B
Naphthalene		432	250	50	ug/l	SW846 8260B
1,2-Dichloroethane		69.3	50	10	ug/l	SW846 8260B
Tert-Amyl Alcohol		8950	1000	400	ug/l	SW846 8260B
1,2-Dibromoethane [a]		2.1	0.19	0.094	ug/l	SW846 8011
FA29533-19	**02261 MW-12**					
Benzene		15800	200	40	ug/l	SW846 8260B
Toluene		21400	500	200	ug/l	SW846 8260B
Ethylbenzene		2820	200	40	ug/l	SW846 8260B
Xylene (total)		13600	600	100	ug/l	SW846 8260B
Methyl Tert Butyl Ether		262	200	60	ug/l	SW846 8260B
Naphthalene		426 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		260	200	40	ug/l	SW846 8260B
Tert-Amyl Alcohol		29300	4000	1600	ug/l	SW846 8260B
1,2-Dibromoethane [a]		67.3	1.9	0.95	ug/l	SW846 8011
FA29533-20	**02261 MW-13**					
Benzene		4850	100	20	ug/l	SW846 8260B
Toluene		449	100	40	ug/l	SW846 8260B
Ethylbenzene		2290	100	20	ug/l	SW846 8260B
Xylene (total)		6310	300	51	ug/l	SW846 8260B
Naphthalene		541	500	100	ug/l	SW846 8260B
1,2-Dichloroethane		40.9 J	100	20	ug/l	SW846 8260B
Tert-Amyl Alcohol		8420	2000	810	ug/l	SW846 8260B
1,2-Dibromoethane [a]		5.0	0.19	0.097	ug/l	SW846 8011
FA29533-21	**02261 MW-14**					
Benzene		13200	200	40	ug/l	SW846 8260B
Toluene		21700	500	200	ug/l	SW846 8260B
Ethylbenzene		2070	200	40	ug/l	SW846 8260B
Xylene (total)		9940	600	100	ug/l	SW846 8260B
Methyl Tert Butyl Ether		200	200	60	ug/l	SW846 8260B

Summary of Hits

Job Number: FA29533
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 11/23/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Naphthalene		375 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		268	200	40	ug/l	SW846 8260B
Tert-Amyl Alcohol		24100	4000	1600	ug/l	SW846 8260B
1,2-Dibromoethane [a]		126	3.9	2.0	ug/l	SW846 8011
FA29533-22	**02261 TW-1**					
1,2-Dibromoethane [a]		0.075	0.020	0.0098	ug/l	SW846 8011
FA29533-23	**02261 TW-2**					
No hits reported in this sample.						
FA29533-24	**02261 TW-3**					
No hits reported in this sample.						
FA29533-25	**02261 TW-4**					
Benzene		8250	100	20	ug/l	SW846 8260B
Toluene		137	100	40	ug/l	SW846 8260B
Ethylbenzene		399	100	20	ug/l	SW846 8260B
Xylene (total)		129 J	300	51	ug/l	SW846 8260B
Methyl Tert Butyl Ether		1750	100	30	ug/l	SW846 8260B
Naphthalene		116 J	500	100	ug/l	SW846 8260B
1,2-Dichloroethane		385	100	20	ug/l	SW846 8260B
Tert-Amyl Alcohol		10100	2000	810	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		59.5 J	200	22	ug/l	SW846 8260B
1,2-Dibromoethane [a]		0.22	0.019	0.0097	ug/l	SW846 8011
FA29533-26	**02261 TW-5**					
Benzene		7.7	1.0	0.20	ug/l	SW846 8260B
Toluene		0.77 J	1.0	0.40	ug/l	SW846 8260B
Ethylbenzene		0.59 J	1.0	0.20	ug/l	SW846 8260B
Xylene (total)		1.4 J	3.0	0.51	ug/l	SW846 8260B
Methyl Tert Butyl Ether		3.9	1.0	0.30	ug/l	SW846 8260B
Naphthalene		1.8 J	5.0	1.0	ug/l	SW846 8260B
1,2-Dichloroethane		1.3	1.0	0.20	ug/l	SW846 8260B
Tert-Amyl Alcohol		173	20	8.1	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		0.51 J	2.0	0.22	ug/l	SW846 8260B
Tert-Butyl Alcohol		53.2	20	5.4	ug/l	SW846 8260B

Summary of Hits

Job Number: FA29533
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 11/23/15

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA29533-27	**02261 TW-6**					
No hits reported in this sample.						
FA29533-28	**02261 DUP A**					
Benzene		4880	100	20	ug/l	SW846 8260B
Toluene		417	100	40	ug/l	SW846 8260B
Ethylbenzene		2190	100	20	ug/l	SW846 8260B
Xylene (total)		6260	300	51	ug/l	SW846 8260B
Naphthalene		531	500	100	ug/l	SW846 8260B
1,2-Dichloroethane		42.8 J	100	20	ug/l	SW846 8260B
Tert-Amyl Alcohol		7890	2000	810	ug/l	SW846 8260B
1,2-Dibromoethane [a]		4.8	0.19	0.096	ug/l	SW846 8011
FA29533-29	**02261 DUP B**					
Benzene		10800	200	40	ug/l	SW846 8260B
Toluene		19900	200	80	ug/l	SW846 8260B
Ethylbenzene		1670	200	40	ug/l	SW846 8260B
Xylene (total)		8030	600	100	ug/l	SW846 8260B
Methyl Tert Butyl Ether		186 J	200	60	ug/l	SW846 8260B
Naphthalene		338 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		256	200	40	ug/l	SW846 8260B
Tert-Amyl Alcohol		20800	4000	1600	ug/l	SW846 8260B
1,2-Dibromoethane [a]		135	3.8	1.9	ug/l	SW846 8011
FA29533-30	**02261 PW-3**					
1,2-Dibromoethane [a]		0.043	0.019	0.0095	ug/l	SW846 8011
FA29533-31	**02261 FIELD BLANK**					
No hits reported in this sample.						
FA29533-32	**02261 TRIP BLANK**					
No hits reported in this sample.						

(a) All hits confirmed by dual column analysis.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	18871 MW-10		
Lab Sample ID:	FA29533-1	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972635.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.24	1.0	0.20	ug/l	J
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	107%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	18871 MW-10		
Lab Sample ID:	FA29533-1	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85433.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	35.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	18871 MW-20		
Lab Sample ID:	FA29533-2	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972636.D	50	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3370	50	10	ug/l	
108-88-3	Toluene	27.7	50	20	ug/l	J
100-41-4	Ethylbenzene	874	50	10	ug/l	
1330-20-7	Xylene (total)	3250	150	26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	196	50	15	ug/l	
91-20-3	Naphthalene	195	250	50	ug/l	J
107-06-2	1,2-Dichloroethane	56.6	50	10	ug/l	
108-20-3	Di-Isopropyl Ether	ND	50	10	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	2500	500	ug/l	
64-17-5	Ethyl Alcohol	ND	5000	1800	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	100	10	ug/l	
75-85-4	Tert-Amyl Alcohol	2870	1000	400	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	100	11	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	1000	270	ug/l	
762-75-4	Tert-Butyl Formate	ND	1000	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	18871 MW-20		
Lab Sample ID:	FA29533-2	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85482.D	10	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	37.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	4.2	0.19	0.093	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	131%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18871 MW-20D		
Lab Sample ID:	FA29533-3	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972637.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.9	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	22.5	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	2.9	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	29.4	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	1.1	2.0	0.22	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	107%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18871 MW-20D		
Lab Sample ID:	FA29533-3	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85437.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	35.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0099	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 18871 MW-21
Lab Sample ID: FA29533-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Date Sampled: 11/23/15
Date Received: 11/24/15
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972638.D	200	11/30/15	DP	n/a	n/a	VJ5139
Run #2	J0972680.D	500	12/01/15	DP	n/a	n/a	VJ5140

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	18300	200	40	ug/l	
108-88-3	Toluene	23200 [a]	500	200	ug/l	
100-41-4	Ethylbenzene	2080	200	40	ug/l	
1330-20-7	Xylene (total)	10400	600	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2710	200	60	ug/l	
91-20-3	Naphthalene	273	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	538	200	40	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	40	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND	20000	7000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	40	ug/l	
75-85-4	Tert-Amyl Alcohol	31700	4000	1600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	44	ug/l	
75-65-0	Tert-Butyl Alcohol	29400	4000	1100	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	800	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	96%	79-125%
2037-26-5	Toluene-D8	105%	105%	85-112%
460-00-4	4-Bromofluorobenzene	104%	103%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18871 MW-21		
Lab Sample ID:	FA29533-4	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85484.D	100	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	62.2	1.9	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18871 MW-21D		
Lab Sample ID:	FA29533-5	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972639.D	5	11/30/15	DP	n/a	n/a	VJ5139
Run #2	J0972681.D	10	12/01/15	DP	n/a	n/a	VJ5140

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	572 [a]	10	2.0	ug/l	
108-88-3	Toluene	342	5.0	2.0	ug/l	
100-41-4	Ethylbenzene	36.7	5.0	1.0	ug/l	
1330-20-7	Xylene (total)	172	15	2.6	ug/l	
1634-04-4	Methyl Tert Butyl Ether	299	5.0	1.5	ug/l	
91-20-3	Naphthalene	10.7	25	5.0	ug/l	J
107-06-2	1,2-Dichloroethane	34.0	5.0	1.0	ug/l	
108-20-3	Di-Isopropyl Ether	1.8	5.0	1.0	ug/l	J
624-95-3	3,3-Dimethyl-1-Butanol	ND	250	50	ug/l	
64-17-5	Ethyl Alcohol	ND	500	180	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	10	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	4000	100	40	ug/l	
994-05-8	Tert-Amyl Methyl Ether	4.6	10	1.1	ug/l	J
75-65-0	Tert-Butyl Alcohol	2210	100	27	ug/l	
762-75-4	Tert-Butyl Formate	ND	100	20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	96%	79-125%
2037-26-5	Toluene-D8	104%	106%	85-112%
460-00-4	4-Bromofluorobenzene	103%	100%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18871 MW-21D		
Lab Sample ID:	FA29533-5	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85485.D	1	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.20	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	18871 MW-22		
Lab Sample ID:	FA29533-6	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972640.D	20	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1700	20	4.0	ug/l	
108-88-3	Toluene	49.4	20	8.0	ug/l	
100-41-4	Ethylbenzene	284	20	4.0	ug/l	
1330-20-7	Xylene (total)	1790	60	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	44.8	20	6.0	ug/l	
91-20-3	Naphthalene	134	100	20	ug/l	
107-06-2	1,2-Dichloroethane	24.3	20	4.0	ug/l	
108-20-3	Di-Isopropyl Ether	ND	20	4.0	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	1000	200	ug/l	
64-17-5	Ethyl Alcohol	ND	2000	700	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	40	4.0	ug/l	
75-85-4	Tert-Amyl Alcohol	2140	400	160	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	40	4.4	ug/l	
75-65-0	Tert-Butyl Alcohol	613	400	110	ug/l	
762-75-4	Tert-Butyl Formate	ND	400	80	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	18871 MW-22		
Lab Sample ID:	FA29533-6	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85486.D	10	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	37.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	2.6	0.19	0.094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	18871 MW-22D		
Lab Sample ID:	FA29533-7	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972641.D	50	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2880	50	10	ug/l	
108-88-3	Toluene	58.0	50	20	ug/l	
100-41-4	Ethylbenzene	547	50	10	ug/l	
1330-20-7	Xylene (total)	599	150	26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	163	50	15	ug/l	
91-20-3	Naphthalene	235	250	50	ug/l	J
107-06-2	1,2-Dichloroethane	61.4	50	10	ug/l	
108-20-3	Di-Isopropyl Ether	ND	50	10	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	2500	500	ug/l	
64-17-5	Ethyl Alcohol	ND	5000	1800	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	100	10	ug/l	
75-85-4	Tert-Amyl Alcohol	4920	1000	400	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	100	11	ug/l	
75-65-0	Tert-Butyl Alcohol	2260	1000	270	ug/l	
762-75-4	Tert-Butyl Formate	ND	1000	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	18871 MW-22D		
Lab Sample ID:	FA29533-7	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85487.D	2	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	37.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.74	0.037	0.019	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-1		
Lab Sample ID:	FA29533-8	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972642.D	200	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	18400	200	40	ug/l	
108-88-3	Toluene	3730	200	80	ug/l	
100-41-4	Ethylbenzene	1410	200	40	ug/l	
1330-20-7	Xylene (total)	7350	600	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1860	200	60	ug/l	
91-20-3	Naphthalene	322	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	700	200	40	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	40	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND	20000	7000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	40	ug/l	
75-85-4	Tert-Amyl Alcohol	32200	4000	1600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	44	ug/l	
75-65-0	Tert-Butyl Alcohol	18900	4000	1100	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	800	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-1		
Lab Sample ID:	FA29533-8	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85488.D	100	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	37.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	67.4	1.9	0.93	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-2		
Lab Sample ID:	FA29533-9	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972643.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.1	1.0	0.20	ug/l	
108-88-3	Toluene	1.1	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	0.51	1.0	0.20	ug/l	J
1330-20-7	Xylene (total)	1.9	3.0	0.51	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	106%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 MW-2		
Lab Sample ID:	FA29533-9	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85489.D	1	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	37.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.030	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-3		
Lab Sample ID:	FA29533-10	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972644.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	107%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-3		
Lab Sample ID:	FA29533-10	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85446.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	38.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.096	0.018	0.0091	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-4		
Lab Sample ID:	FA29533-11	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972645.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-4		
Lab Sample ID:	FA29533-11	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85447.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	37.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.10	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-5		
Lab Sample ID:	FA29533-12	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972646.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-5		
Lab Sample ID:	FA29533-12	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85448.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-6		
Lab Sample ID:	FA29533-13	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972647.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-6		
Lab Sample ID:	FA29533-13	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85449.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	37.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	95%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-7		
Lab Sample ID:	FA29533-14	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972648.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-7		
Lab Sample ID:	FA29533-14	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85450.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	94%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-8		
Lab Sample ID:	FA29533-15	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972649.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-8		
Lab Sample ID:	FA29533-15	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85451.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	37.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-9		
Lab Sample ID:	FA29533-16	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972650.D	1	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-9		
Lab Sample ID:	FA29533-16	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85454.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-10		
Lab Sample ID:	FA29533-17	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972651.D	50	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2900	50	10	ug/l	
108-88-3	Toluene	ND	50	20	ug/l	
100-41-4	Ethylbenzene	715	50	10	ug/l	
1330-20-7	Xylene (total)	1750	150	26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	170	50	15	ug/l	
91-20-3	Naphthalene	251	250	50	ug/l	
107-06-2	1,2-Dichloroethane	54.5	50	10	ug/l	
108-20-3	Di-Isopropyl Ether	ND	50	10	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	2500	500	ug/l	
64-17-5	Ethyl Alcohol	ND	5000	1800	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	100	10	ug/l	
75-85-4	Tert-Amyl Alcohol	2570	1000	400	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	100	11	ug/l	
75-65-0	Tert-Butyl Alcohol	1630	1000	270	ug/l	
762-75-4	Tert-Butyl Formate	ND	1000	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-10		
Lab Sample ID:	FA29533-17	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85490.D	10	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	38.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	1.9	0.18	0.092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-11		
Lab Sample ID:	FA29533-18	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972652.D	50	11/30/15	DP	n/a	n/a	VJ5139
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2490	50	10	ug/l	
108-88-3	Toluene	1990	50	20	ug/l	
100-41-4	Ethylbenzene	1220	50	10	ug/l	
1330-20-7	Xylene (total)	7550	150	26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	15	ug/l	
91-20-3	Naphthalene	432	250	50	ug/l	
107-06-2	1,2-Dichloroethane	69.3	50	10	ug/l	
108-20-3	Di-Isopropyl Ether	ND	50	10	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	2500	500	ug/l	
64-17-5	Ethyl Alcohol	ND	5000	1800	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	100	10	ug/l	
75-85-4	Tert-Amyl Alcohol	8950	1000	400	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	100	11	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	1000	270	ug/l	
762-75-4	Tert-Butyl Formate	ND	1000	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-11		
Lab Sample ID:	FA29533-18	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85491.D	10	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	37.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	2.1	0.19	0.094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: 02261 MW-12
Lab Sample ID: FA29533-19
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Date Sampled: 11/23/15
Date Received: 11/24/15
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972699.D	200	12/02/15	DP	n/a	n/a	VJ5141
Run #2	J0972724.D	500	12/02/15	DP	n/a	n/a	VJ5142

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	15800	200	40	ug/l	
108-88-3	Toluene	21400 [a]	500	200	ug/l	
100-41-4	Ethylbenzene	2820	200	40	ug/l	
1330-20-7	Xylene (total)	13600	600	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	262	200	60	ug/l	
91-20-3	Naphthalene	426	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	260	200	40	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	40	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	50000	18000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	40	ug/l	
75-85-4	Tert-Amyl Alcohol	29300	4000	1600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	44	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	4000	1100	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	800	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	96%	79-125%
2037-26-5	Toluene-D8	106%	106%	85-112%
460-00-4	4-Bromofluorobenzene	100%	103%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-12		
Lab Sample ID:	FA29533-19	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85494.D	100	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	37.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	67.3	1.9	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-13		
Lab Sample ID:	FA29533-20	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972725.D	100	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4850	100	20	ug/l	
108-88-3	Toluene	449	100	40	ug/l	
100-41-4	Ethylbenzene	2290	100	20	ug/l	
1330-20-7	Xylene (total)	6310	300	51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	30	ug/l	
91-20-3	Naphthalene	541	500	100	ug/l	
107-06-2	1,2-Dichloroethane	40.9	100	20	ug/l	J
108-20-3	Di-Isopropyl Ether	ND	100	20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	5000	1000	ug/l	
64-17-5	Ethyl Alcohol	ND	10000	3500	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	200	20	ug/l	
75-85-4	Tert-Amyl Alcohol	8420	2000	810	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	200	22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	2000	540	ug/l	
762-75-4	Tert-Butyl Formate	ND	2000	400	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	95%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-13		
Lab Sample ID:	FA29533-20	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85495.D	10	12/03/15	NG	12/01/15	OP58546	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	35.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	5.0	0.19	0.097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-14		
Lab Sample ID:	FA29533-21	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972701.D	200	12/02/15	DP	n/a	n/a	VJ5141
Run #2	J0972726.D	500	12/02/15	DP	n/a	n/a	VJ5142

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	13200	200	40	ug/l	
108-88-3	Toluene	21700 [a]	500	200	ug/l	
100-41-4	Ethylbenzene	2070	200	40	ug/l	
1330-20-7	Xylene (total)	9940	600	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	200	200	60	ug/l	
91-20-3	Naphthalene	375	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	268	200	40	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	40	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND [a]	50000	18000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	40	ug/l	
75-85-4	Tert-Amyl Alcohol	24100	4000	1600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	44	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	4000	1100	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	800	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	97%	79-125%
2037-26-5	Toluene-D8	105%	105%	85-112%
460-00-4	4-Bromofluorobenzene	103%	102%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 MW-14		
Lab Sample ID:	FA29533-21	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85496.D	200	12/03/15	NG	12/02/15	OP58559	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	35.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	126	3.9	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-1		
Lab Sample ID:	FA29533-22	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972727.D	1	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	103%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-1		
Lab Sample ID:	FA29533-22	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85498.D	1	12/03/15	NG	12/02/15	OP58559	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	35.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.075	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-2		
Lab Sample ID:	FA29533-23	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972728.D	1	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-2		
Lab Sample ID:	FA29533-23	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85468.D	1	12/03/15	NG	12/02/15	OP58559	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-3		
Lab Sample ID:	FA29533-24	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972729.D	1	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-3		
Lab Sample ID:	FA29533-24	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85469.D	1	12/03/15	NG	12/02/15	OP58559	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-4		
Lab Sample ID:	FA29533-25	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972730.D	100	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	8250	100	20	ug/l	
108-88-3	Toluene	137	100	40	ug/l	
100-41-4	Ethylbenzene	399	100	20	ug/l	
1330-20-7	Xylene (total)	129	300	51	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	1750	100	30	ug/l	
91-20-3	Naphthalene	116	500	100	ug/l	J
107-06-2	1,2-Dichloroethane	385	100	20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	100	20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	5000	1000	ug/l	
64-17-5	Ethyl Alcohol	ND	10000	3500	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	200	20	ug/l	
75-85-4	Tert-Amyl Alcohol	10100	2000	810	ug/l	
994-05-8	Tert-Amyl Methyl Ether	59.5	200	22	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	2000	540	ug/l	
762-75-4	Tert-Butyl Formate	ND	2000	400	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-4		
Lab Sample ID:	FA29533-25	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85470.D	1	12/03/15	NG	12/02/15	OP58559	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	35.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.22	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-5		
Lab Sample ID:	FA29533-26	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972731.D	1	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	7.7	1.0	0.20	ug/l	
108-88-3	Toluene	0.77	1.0	0.40	ug/l	J
100-41-4	Ethylbenzene	0.59	1.0	0.20	ug/l	J
1330-20-7	Xylene (total)	1.4	3.0	0.51	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	3.9	1.0	0.30	ug/l	
91-20-3	Naphthalene	1.8	5.0	1.0	ug/l	J
107-06-2	1,2-Dichloroethane	1.3	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	173	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	0.51	2.0	0.22	ug/l	J
75-65-0	Tert-Butyl Alcohol	53.2	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-5		
Lab Sample ID:	FA29533-26	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85473.D	1	12/03/15	NG	12/02/15	OP58559	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	79%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-6		
Lab Sample ID:	FA29533-27	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972732.D	1	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TW-6		
Lab Sample ID:	FA29533-27	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85474.D	1	12/03/15	NG	12/02/15	OP58559	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	35.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	85%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 DUP A		
Lab Sample ID:	FA29533-28	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972733.D	100	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4880	100	20	ug/l	
108-88-3	Toluene	417	100	40	ug/l	
100-41-4	Ethylbenzene	2190	100	20	ug/l	
1330-20-7	Xylene (total)	6260	300	51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	30	ug/l	
91-20-3	Naphthalene	531	500	100	ug/l	
107-06-2	1,2-Dichloroethane	42.8	100	20	ug/l	J
108-20-3	Di-Isopropyl Ether	ND	100	20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	5000	1000	ug/l	
64-17-5	Ethyl Alcohol	ND	10000	3500	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	200	20	ug/l	
75-85-4	Tert-Amyl Alcohol	7890	2000	810	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	200	22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	2000	540	ug/l	
762-75-4	Tert-Butyl Formate	ND	2000	400	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 DUP A		
Lab Sample ID:	FA29533-28	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85500.D	10	12/03/15	NG	12/02/15	OP58559	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	36.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	4.8	0.19	0.096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	81%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 DUP B		
Lab Sample ID:	FA29533-29	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972734.D	200	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	10800	200	40	ug/l	
108-88-3	Toluene	19900	200	80	ug/l	
100-41-4	Ethylbenzene	1670	200	40	ug/l	
1330-20-7	Xylene (total)	8030	600	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	186	200	60	ug/l	J
91-20-3	Naphthalene	338	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	256	200	40	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	40	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND	20000	7000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	40	ug/l	
75-85-4	Tert-Amyl Alcohol	20800	4000	1600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	44	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	4000	1100	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	800	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 DUP B		
Lab Sample ID:	FA29533-29	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85501.D	200	12/03/15	NG	12/02/15	OP58559	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	135	3.8	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 PW-3		
Lab Sample ID:	FA29533-30	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972735.D	1	12/02/15	DP	n/a	n/a	VJ5142
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 PW-3		
Lab Sample ID:	FA29533-30	**Date Sampled:**	11/23/15
Matrix:	AQ - Ground Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	DD85502.D	1	12/03/15	NG	12/02/15	OP58559	GDD2518
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	0.043	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 FIELD BLANK		
Lab Sample ID:	FA29533-31	**Date Sampled:**	11/23/15
Matrix:	AQ - Field Blank Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972746.D	1	12/03/15	DP	n/a	n/a	VJ5143
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	91%		79-125%
2037-26-5	Toluene-D8	107%		85-112%
460-00-4	4-Bromofluorobenzene	106%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261 FIELD BLANK		
Lab Sample ID:	FA29533-31	**Date Sampled:**	11/23/15
Matrix:	AQ - Field Blank Water	**Date Received:**	11/24/15
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD85478.D	1	12/03/15	NG	12/02/15	OP58559	GDD2517
Run #2							

	Initial Volume	Final Volume
Run #1	36.3 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	02261 TRIP BLANK		
Lab Sample ID:	FA29533-32	**Date Sampled:**	11/23/15
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/24/15
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0972747.D	1	12/03/15	DP	n/a	n/a	VJ5143
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
3,3-Dimethyl-1-Butanol	624-95-3	SW846 8260B	AQ	Certified by SOP MS005
Di-Isopropyl Ether	108-20-3	SW846 8260B	AQ	Certified by SOP MS005
Tert-Amyl Alcohol	75-85-4	SW846 8260B	AQ	Certified by SOP MS005
Tert-Butyl Formate	762-75-4	SW846 8260B	AQ	Certified by SOP MS005

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

FA29533

Accutest JOB # PAGE 1 OF 3

Accutest Quote # SKIFF#

Client / Reporting Information | **Project Information** | **Analytical Information** | **Matrix Codes**

Company Name: G.R.I.
Address: 3502 Hayes Rd
City: Monroe State: NC Zip: 28110
Project Contact: Scott Ball E-mail: wsball@gmail.com
Phone: 704-845-4010
Sampler(s) Name(s) (Printed): Corey B / Angela R

Project Name: Carolina Country Convenience
Street: 1908 Hwy 601 N
City: Pageland State: SC
Project #: UST Permit # 022261
Fax #:
Client Purchase Order #

Analytical Information: BTEX, MTBE, Naph, 1,2 DCA, 8 Oxygenates by 8260 | EDD by 8011

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection: Date	Time	Sampled By	Matrix	Total # of Bottles	Preservation	BTEX, MTBE, Naph, 1,2 DCA, 8 Oxygenates by 8260	EDD by 8011	Lab Use Only
1	18871 MW-10	11/23	1605	ADR	GW	5		X	X	
2	18871 MW-20	11/23	1527	ADR	GW	5		X	X	
3	18871 MW-20D	11/23	1540	ADR	GW	5		X	X	
4	18871 MW-21	11/23	1632	ADR	GW	5		X	X	
5	18871 MW-21D	11/23	1550	ADR	GW	5		X	X	
6	18871 MW-22	11/23	1653	ADR	GW	5		X	X	
7	18871 MW-22D	11/25	1606	NB	GW	5		X	X	
8	022261 MW-1	11/23	1647	ADR	GW	5		X	X	
9	022261 MW-2	11/23	1532	ADR	GW	5		X	X	
10	022261 MW-3	11/23	1723	NB	GW	5		X	X	
11	022261 MW-4	11/23	1711	ADR	GW	5		X	X	
12	022261 MW-5	11/23	1741	ADR	GW	5		X	X	

TURNAROUND TIME (Business Days) — Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Date Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [X] COMMERCIAL "B" (RESULTS + QC SUMMARIES)
- [ ] RED?: (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [X] EDD's

ACCUTEST 2828-C QUEEN CITY DR CLT NC 28203

Comments / Remarks

SCDHEC UST Mgt Program

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	11/23/15 1700	Fedex 805391966038	FX		11/24/15 1100
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 3.0, 2.6

4.2 4

FA29533: Chain of Custody
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FA29533

Accutest Laboratories Southeast
Chain of Custody

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Accutest JOB # FA29533 PAGE 2 OF 3

Accutest Quote # SKIFF#

Client / Reporting Information | Project Information | Analytical Information | Matrix Codes

Company Name G.R.I.
Address SAME
City State Zip
Project Contact Scott Ball Email wsb@grilo
Phone# 704-845-4400
Sampler(s) Name(s) (Printed) Angela R/Corey B

Project Name Bolivia Country Convenience
Street
City SAME State
Project #
Fax #
Client Purchase Order #

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	H2SO4	NaOH	HNO3	ZnAc/NaOH	DI WATER	MeOH	BTEX, MTBE, NAP, 1,2 DCA, EDB	8260 BTEX & OXYGENATES	608 by 8081										LAB USE ONLY
13	022601 MW-10	11/23	1514	CWB	GW	5										X	X	X										
14	022601 MW-7	11/23	1101	ADE	GW	5										X	X	X										
15	022601 MW-8	11/23	1020	CWB	GW	5										X	X	X										
16	022601 MW-9	11/23	953	CWB	GW	5										X	X	X										
17	022601 MW-10	11/23	1456	ADE	GW	5										X	X	X										
18	022601 MW-11	11/23	1401	CWB	GW	5										X	X	X										
19	022601 MW-12	11/23	1401	ADE	GW	5										X	X	X										
20	022601 MW-13	11/23	1332	ADE	GW	5										X	X	X										
21	022601 MW-14	11/23	1429	ADE	GW	5										X	X	X										
22	022601 TW-1	11/23	1116	CWB	GW	5										X	X	X										
23	022601 TW-2	11/23	1042	ADE	GW	5										X	X	X										
24	022601 TW-3	11/23	936	CWB	GW	5										X	X	X										

Turnaround Time (Business Days) | Data Deliverable Information | Comments / Remarks

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [✓] COMMERCIAL "B" (RESULTS + QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [X] EDD'S

ACCUTEST
2828-C QUEEN CITY DR
CLT NC 28203

Scott UST Mgt Program

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	11/23/15 1700	Fedex	3 FX		4 11/24/15 1000
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 2.0, 2.6

4.2.4

FA29533: Chain of Custody
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Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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FA29533

Accutest JOB # PAGE 3 OF 3

Accutest Quote # SKIPF#

Client / Reporting Information

Company Name: GRI
Address: SAME
City State Zip:
Project Contact: Scott Batt wsb@grcol
Phone#: 704-845-4010
Sampler(s) Name(s) (Printed): Angela R/Corey B

Project Information

Project Name: Carolina Country Convenience
Street:
City: SAME State:
Project #: UST Permit # 022601
Fax #:
Client Purchase Order #:

Analytical Information

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of Bottles	BTEX, MTBE, Naph 1,2 DCA & Cumene by 8260	EDB by 8011
25	022601 TW-4	11/23	1434	CNB	GW	5	X	X
26	022601 TW-5	11/23	1326	CNB	GW	5	X	X
27	022601 TW-6	11/23	1142	CNB	GW	5	X	X
28	022601 DUP A	11/23	—	ADR	GW	5	X	X
29	022601 DUP B	11/23	—	ADR	GW	5	X	X
30	022601 PW-3	11/23	1007	ADR	SW	5	X	X
31	022601 Field Blank	11/23				5	X	X
32	022601 Trip Blank	11/23	—	—	—	2	X	X

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

LAB USE ONLY

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [X] COMMERCIAL "B" (RESULTS + QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [X] EDD's

ACCUT - 5
2828 C QUEEN CITY DR
CEI NC 28203

Comments / Remarks

SCDHEU UST Mgt Program

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	11/23/15 1715	Fedex	3		4 11/24/15 1008
Relinquished by: 5	Date/Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 2 Cooler Temperature (s) Celsius: 3.0 2.6

4.2 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA29533 CLIENT: G.R.I. PROJECT: Carolina County

DATE/TIME RECEIVED: 11/24/15 10:00 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 8053 9196 4609 , 8053 9196 6038

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR -0.4
- [ ] OBSERVED TEMPS: 3.4 , 3.0
- [ ] CORRECTED TEMPS: 3.0 , 2.6 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 204413A pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 11/24/15 REVIEWER SIGNATURE/DATE 11/24/15

NF 11/15 receipt confirmation 111015.xls

4.2 4

ORIGIN ID:MEDA
SHIP DATE: 23NOV15
ACTWGT: 41.00 LB
CAD: /DFFC1621
DIMS: 23x15x17 IN
BILL SENDER
UNITED STATES US
TO
SAMPLE MANAGEMENT
4405 VINELAND RD
STE C15
ORLANDO FL 32811
(407) 425-6700
FedEx Express
TRK# 0662 8053 9196 4609
TUE - 24 NOV 3:00P
STANDARD OVERNIGHT
XH TIXA
32811
FL-US MCO

ORIGIN ID:MEDA
SHIP DATE: 23NOV15
ACTWGT: 39.00 LB
CAD: /DFFC1621
DIMS: 28x15x14 IN
BILL SENDER
UNITED STATES US
TO
SAMPLE MANAGEMENT
4405 VINELAND RD
STE C15
ORLANDO FL 32811
(407) 425-6700
FedEx Express
TRK# 0662 8053 9196 6038
TUE - 24 NOV 3:00P
STANDARD OVERNIGHT
XH TIXA
32811
FL-US MCO

FA29533: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5139-MB	J0972633.D	1	11/30/15	DP	n/a	n/a	VJ5139

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	103%	83-118%

Method Blank Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5140-MB	J0972662.D	1	12/01/15	DP	n/a	n/a	VJ5140

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-4, FA29533-5

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5141-MB	J0972690.D	1	12/01/15	DP	n/a	n/a	VJ5141

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-19, FA29533-21

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

Method Blank Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5142-MB	J0972715.D	1	12/02/15	DP	n/a	n/a	VJ5142

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-19, FA29533-20, FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	105%	83-118%

Method Blank Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5143-MB	J0972744.D	1	12/03/15	DP	n/a	n/a	VJ5143

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-31, FA29533-32

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.20	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	100	35	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.30	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	8.1	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.22	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	5.4	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	4.0	ug/l	
108-88-3	Toluene	ND	1.0	0.40	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.51	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	106%	85-112%
460-00-4	4-Bromofluorobenzene	106%	83-118%

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5139-BS	J0972632.D	1	11/30/15	DP	n/a	n/a	VJ5139

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.4	98	81-122
107-06-2	1,2-Dichloroethane	25	22.2	89	75-125
108-20-3	Di-Isopropyl Ether	25	23.0	92	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1150	92	55-126
64-17-5	Ethyl Alcohol	500	594	119	46-145
100-41-4	Ethylbenzene	25	25.6	102	81-121
637-92-3	Ethyl Tert Butyl Ether	25	23.2	93	71-120
1634-04-4	Methyl Tert Butyl Ether	25	21.4	86	72-117
91-20-3	Naphthalene	25	22.3	89	63-132
75-85-4	Tert-Amyl Alcohol	250	234	94	65-124
994-05-8	Tert-Amyl Methyl Ether	25	22.1	88	73-122
75-65-0	Tert-Butyl Alcohol	250	287	115	63-129
762-75-4	Tert-Butyl Formate	250	233	93	46-130
108-88-3	Toluene	25	24.9	100	80-120
1330-20-7	Xylene (total)	75	73.8	98	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5140-BS	J0972661.D	1	12/01/15	DP	n/a	n/a	VJ5140

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-4, FA29533-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.9	104	81-122
108-88-3	Toluene	25	26.7	107	80-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5141-BS	J0972689.D	1	12/01/15	DP	n/a	n/a	VJ5141

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-19, FA29533-21

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.4	102	81-122
107-06-2	1,2-Dichloroethane	25	22.9	92	75-125
108-20-3	Di-Isopropyl Ether	25	23.0	92	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1450	116	55-126
100-41-4	Ethylbenzene	25	26.5	106	81-121
637-92-3	Ethyl Tert Butyl Ether	25	23.1	92	71-120
1634-04-4	Methyl Tert Butyl Ether	25	20.8	83	72-117
91-20-3	Naphthalene	25	21.9	88	63-132
75-85-4	Tert-Amyl Alcohol	250	262	105	65-124
994-05-8	Tert-Amyl Methyl Ether	25	22.0	88	73-122
75-65-0	Tert-Butyl Alcohol	250	310	124	63-129
762-75-4	Tert-Butyl Formate	250	230	92	46-130
1330-20-7	Xylene (total)	75	76.0	101	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	92%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5142-BS	J0972714.D	1	12/02/15	DP	n/a	n/a	VJ5142

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-19, FA29533-20, FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.2	101	81-122
107-06-2	1,2-Dichloroethane	25	22.5	90	75-125
108-20-3	Di-Isopropyl Ether	25	23.5	94	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1280	102	55-126
64-17-5	Ethyl Alcohol	500	539	108	46-145
100-41-4	Ethylbenzene	25	26.0	104	81-121
637-92-3	Ethyl Tert Butyl Ether	25	22.9	92	71-120
1634-04-4	Methyl Tert Butyl Ether	25	21.6	86	72-117
91-20-3	Naphthalene	25	22.0	88	63-132
75-85-4	Tert-Amyl Alcohol	250	237	95	65-124
994-05-8	Tert-Amyl Methyl Ether	25	21.4	86	73-122
75-65-0	Tert-Butyl Alcohol	250	303	121	63-129
762-75-4	Tert-Butyl Formate	250	226	90	46-130
108-88-3	Toluene	25	25.3	101	80-120
1330-20-7	Xylene (total)	75	74.6	99	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5143-BS	J0972743.D	1	12/03/15	DP	n/a	n/a	VJ5143

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-31, FA29533-32

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.8	103	81-122
107-06-2	1,2-Dichloroethane	25	23.0	92	75-125
108-20-3	Di-Isopropyl Ether	25	24.1	96	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1200	96	55-126
64-17-5	Ethyl Alcohol	500	565	113	46-145
100-41-4	Ethylbenzene	25	26.5	106	81-121
637-92-3	Ethyl Tert Butyl Ether	25	23.8	95	71-120
1634-04-4	Methyl Tert Butyl Ether	25	22.4	90	72-117
91-20-3	Naphthalene	25	23.4	94	63-132
75-85-4	Tert-Amyl Alcohol	250	230	92	65-124
994-05-8	Tert-Amyl Methyl Ether	25	22.9	92	73-122
75-65-0	Tert-Butyl Alcohol	250	279	112	63-129
762-75-4	Tert-Butyl Formate	250	234	94	46-130
108-88-3	Toluene	25	25.7	103	80-120
1330-20-7	Xylene (total)	75	75.8	101	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA29533-1MS	J0972654.D	1	11/30/15	DP	n/a	n/a	VJ5139
FA29533-1MSD	J0972655.D	1	11/30/15	DP	n/a	n/a	VJ5139
FA29533-1	J0972635.D	1	11/30/15	DP	n/a	n/a	VJ5139

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18

CAS No.	Compound	FA29533-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	0.24	J	25	28.1	111	25	26.9	107	4	81-122/14
107-06-2	1,2-Dichloroethane	ND		25	25.2	101	25	24.7	99	2	75-125/14
108-20-3	Di-Isopropyl Ether	ND		25	25.8	103	25	25.5	102	1	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	ND		1250	1360	109	1250	1790	143*	27*	55-126/17
64-17-5	Ethyl Alcohol	ND		500	496	99	500	647	129	26	46-145/30
100-41-4	Ethylbenzene	ND		25	28.7	115	25	27.5	110	4	81-121/14
637-92-3	Ethyl Tert Butyl Ether	ND		25	26.0	104	25	25.7	103	1	71-120/14
1634-04-4	Methyl Tert Butyl Ether	ND		25	23.3	93	25	23.9	96	3	72-117/14
91-20-3	Naphthalene	ND		25	26.8	107	25	28.1	112	5	63-132/25
75-85-4	Tert-Amyl Alcohol	ND		250	202	81	250	262	105	26*	65-124/23
994-05-8	Tert-Amyl Methyl Ether	ND		25	24.9	100	25	24.3	97	2	73-122/13
75-65-0	Tert-Butyl Alcohol	ND		250	313	125	250	382	153*	20	63-129/27
762-75-4	Tert-Butyl Formate	ND		250	35.7	14*	250	33.9	14*	5	46-130/33
108-88-3	Toluene	ND		25	27.1	108	25	26.6	106	2	80-120/14
1330-20-7	Xylene (total)	ND		75	82.2	110	75	78.9	105	4	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA29533-1	Limits
1868-53-7	Dibromofluoromethane	99%	99%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	95%	94%	79-125%
2037-26-5	Toluene-D8	98%	100%	107%	85-112%
460-00-4	4-Bromofluorobenzene	94%	95%	104%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA29392-11MS	J0972683.D	1	12/01/15	DP	n/a	n/a	VJ5140
FA29392-11MSD	J0972684.D	1	12/01/15	DP	n/a	n/a	VJ5140
FA29392-11	J0972667.D	1	12/01/15	DP	n/a	n/a	VJ5140

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-4, FA29533-5

CAS No.	Compound	FA29392-11 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0 U		25	27.4	110	25	26.8	107	2	81-122/14
108-88-3	Toluene	1.0 U		25	26.2	105	25	26.3	105	0	80-120/14

CAS No.	Surrogate Recoveries	MS	MSD	FA29392-11	Limits
1868-53-7	Dibromofluoromethane	101%	100%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	94%	94%	79-125%
2037-26-5	Toluene-D8	98%	98%	105%	85-112%
460-00-4	4-Bromofluorobenzene	95%	95%	103%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA29533-19MS	J0972707.D	200	12/02/15	DP	n/a	n/a	VJ5141
FA29533-19MSD	J0972708.D	200	12/02/15	DP	n/a	n/a	VJ5141
FA29533-19	J0972699.D	200	12/02/15	DP	n/a	n/a	VJ5141

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-19, FA29533-21

CAS No.	Compound	FA29533-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	15800		5000	21300	110	5000	20800	100	2	81-122/14
107-06-2	1,2-Dichloroethane	260		5000	5030	95	5000	4920	93	2	75-125/14
108-20-3	Di-Isopropyl Ether	ND		5000	4730	95	5000	4790	96	1	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	ND		250000	270000	108	250000	279000	112	3	55-126/17
100-41-4	Ethylbenzene	2820		5000	8190	107	5000	8070	105	1	81-121/14
637-92-3	Ethyl Tert Butyl Ether	ND		5000	4700	94	5000	4840	97	3	71-120/14
1634-04-4	Methyl Tert Butyl Ether	262		5000	4520	85	5000	4690	89	4	72-117/14
91-20-3	Naphthalene	426	J	5000	4900	89	5000	5230	96	7	63-132/25
75-85-4	Tert-Amyl Alcohol	29300		50000	89500	120	50000	92400	126*	3	65-124/23
994-05-8	Tert-Amyl Methyl Ether	ND		5000	4510	90	5000	4580	92	2	73-122/13
75-65-0	Tert-Butyl Alcohol	ND		50000	65400	131*	50000	69000	138*	5	63-129/27
762-75-4	Tert-Butyl Formate	ND		50000	46500	93	50000	47200	94	1	46-130/33
1330-20-7	Xylene (total)	13600		15000	30000	109	15000	29600	107	1	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA29533-19	Limits
1868-53-7	Dibromofluoromethane	98%	97%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	93%	96%	79-125%
2037-26-5	Toluene-D8	99%	100%	106%	85-112%
460-00-4	4-Bromofluorobenzene	96%	96%	100%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA29491-4MS	J0972736.D	10	12/02/15	DP	n/a	n/a	VJ5142
FA29491-4MSD	J0972737.D	10	12/02/15	DP	n/a	n/a	VJ5142
FA29491-4	J0972719.D	10	12/02/15	DP	n/a	n/a	VJ5142

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-19, FA29533-20, FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30

CAS No.	Compound	FA29491-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		250	269	108	250	261	104	3	81-122/14
107-06-2	1,2-Dichloroethane	7.8	J	250	251	97	250	240	93	4	75-125/14
108-20-3	Di-Isopropyl Ether	ND		250	237	95	250	242	97	2	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	ND		12500	13400	107	12500	13400	107	0	55-126/17
64-17-5	Ethyl Alcohol	ND		5000	5470	109	5000	6320	126	14	46-145/30
100-41-4	Ethylbenzene	ND		250	273	109	250	269	108	1	81-121/14
637-92-3	Ethyl Tert Butyl Ether	ND		250	244	98	250	248	99	2	71-120/14
1634-04-4	Methyl Tert Butyl Ether	ND		250	223	89	250	227	91	2	72-117/14
91-20-3	Naphthalene	ND		250	230	92	250	246	98	7	63-132/25
75-85-4	Tert-Amyl Alcohol	ND		2500	2430	97	2500	2530	101	4	65-124/23
994-05-8	Tert-Amyl Methyl Ether	ND		250	232	93	250	239	96	3	73-122/13
75-65-0	Tert-Butyl Alcohol	ND		2500	3180	127	2500	3080	123	3	63-129/27
762-75-4	Tert-Butyl Formate	ND		2500	1890	76	2500	1950	78	3	46-130/33
108-88-3	Toluene	ND		250	261	104	250	257	103	2	80-120/14
1330-20-7	Xylene (total)	ND		750	789	105	750	765	102	3	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA29491-4	Limits
1868-53-7	Dibromofluoromethane	99%	99%	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	94%	96%	79-125%
2037-26-5	Toluene-D8	99%	99%	106%	85-112%
460-00-4	4-Bromofluorobenzene	94%	96%	104%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA29493-1MS	J0972765.D	1	12/03/15	DP	n/a	n/a	VJ5143
FA29493-1MSD	J0972766.D	1	12/03/15	DP	n/a	n/a	VJ5143
FA29493-1	J0972745.D	1	12/03/15	DP	n/a	n/a	VJ5143

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA29533-31, FA29533-32

CAS No.	Compound	FA29493-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0	U	25	35.1	140*	25	34.3	137*	2	81-122/14
107-06-2	1,2-Dichloroethane	1.0	U	25	31.0	124	25	30.9	124	0	75-125/14
108-20-3	Di-Isopropyl Ether	1.0	U	25	30.5	122	25	31.2	125*	2	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	50	U	1250	1390	111	1250	1470	118	6	55-126/17
64-17-5	Ethyl Alcohol	100	U	500	571	114	500	634	127	10	46-145/30
100-41-4	Ethylbenzene	1.0	U	25	35.5	142*	25	34.9	140*	2	81-121/14
637-92-3	Ethyl Tert Butyl Ether	2.0	U	25	30.8	123*	25	32.1	128*	4	71-120/14
1634-04-4	Methyl Tert Butyl Ether	1.0	U	25	27.2	109	25	28.6	114	5	72-117/14
91-20-3	Naphthalene	5.0	U	25	25.1	100	25	27.4	110	9	63-132/25
75-85-4	Tert-Amyl Alcohol	20	U	250	284	114	250	290	116	2	65-124/23
994-05-8	Tert-Amyl Methyl Ether	2.0	U	25	28.7	115	25	30.3	121	5	73-122/13
75-65-0	Tert-Butyl Alcohol	20	U	250	437	175*	250	449	180*	3	63-129/27
762-75-4	Tert-Butyl Formate	20	U	250	20.9	8*	250	19.0	8*	10	46-130/33
108-88-3	Toluene	1.0	U	25	34.1	136*	25	33.9	136*	1	80-120/14
1330-20-7	Xylene (total)	3.0	U	75	102	136*	75	99.2	132*	3	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA29493-1	Limits
1868-53-7	Dibromofluoromethane	98%	98%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	95%	95%	92%	79-125%
2037-26-5	Toluene-D8	97%	98%	108%	85-112%
460-00-4	4-Bromofluorobenzene	92%	95%	107%	83-118%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58546-MB	DD85432.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18, FA29533-19, FA29533-20

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	99%	63-137%

Method Blank Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58559-MB	DD85463.D	1	12/02/15	NG	12/02/15	OP58559	GDD2517

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30, FA29533-31

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	107%	63-137%

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58546-BS	DD85430.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18, FA29533-19, FA29533-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.22	88	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	63-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58546-BS2	DD85431.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18, FA29533-19, FA29533-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.23	92	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	105%	63-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58559-BS	DD85461.D	1	12/02/15	NG	12/02/15	OP58559	GDD2517

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30, FA29533-31

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.23	92	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	106%	63-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58559-BS2	DD85462.D	1	12/02/15	NG	12/02/15	OP58559	GDD2517

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30, FA29533-31

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.23	92	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	109%	63-137%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58546-MS	DD85434.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517
FA29533-1	DD85433.D	1	12/02/15	NG	12/01/15	OP58546	GDD2517

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18, FA29533-19, FA29533-20

CAS No.	Compound	FA29533-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
106-93-4	1,2-Dibromoethane	ND		0.233	0.18	77	72-134

CAS No.	Surrogate Recoveries	MS	FA29533-1	Limits
460-00-4	4-Bromofluorobenzene	103%	93%	63-137%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58559-MS	DD85497.D	200	12/03/15	NG	12/02/15	OP58559	GDD2518
FA29533-21 [a]	DD85496.D	200	12/03/15	NG	12/02/15	OP58559	GDD2518

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30, FA29533-31

CAS No.	Compound	FA29533-21 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
106-93-4	1,2-Dibromoethane	126		0.24	129	1248* [b]	72-134

CAS No.	Surrogate Recoveries	MS	FA29533-21	Limits
460-00-4	4-Bromofluorobenzene	0%* [c]	0%* [c]	63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits due to dilution.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58546-DUP	DD85483.D	10	12/03/15	NG	12/01/15	OP58546	GDD2518
FA29533-2 [a]	DD85482.D	10	12/03/15	NG	12/01/15	OP58546	GDD2518

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-1, FA29533-2, FA29533-3, FA29533-4, FA29533-5, FA29533-6, FA29533-7, FA29533-8, FA29533-9, FA29533-10, FA29533-11, FA29533-12, FA29533-13, FA29533-14, FA29533-15, FA29533-16, FA29533-17, FA29533-18, FA29533-19, FA29533-20

CAS No.	Compound	FA29533-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-93-4	1,2-Dibromoethane	4.2		4.3		2	28

CAS No.	Surrogate Recoveries	DUP	FA29533-2	Limits
460-00-4	4-Bromofluorobenzene	125%	131%	63-137%

(a) All hits confirmed by dual column analysis.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA29533
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP58559-DUP [a]	DD85499.D	1	12/03/15	NG	12/02/15	OP58559	GDD2518
FA29533-22 [b]	DD85498.D	1	12/03/15	NG	12/02/15	OP58559	GDD2518

The QC reported here applies to the following samples: **Method:** SW846 8011

FA29533-21, FA29533-22, FA29533-23, FA29533-24, FA29533-25, FA29533-26, FA29533-27, FA29533-28, FA29533-29, FA29533-30, FA29533-31

CAS No.	Compound	FA29533-22 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-93-4	1,2-Dibromoethane	0.075		ND		200* [c]	28

CAS No.	Surrogate Recoveries	DUP	FA29533-22	Limits
460-00-4	4-Bromofluorobenzene	113%	102%	63-137%

(a) Insufficient sample for re-extraction.
(b) All hits confirmed by dual column analysis.
(c) High RPD due to possible sample non-homogeneity.

* = Outside of Control Limits.

APPENDIX B

Field Data Information Sheets

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: Carolina Country Convenience
County: CHESTERFIELD	Project Manager: Scott Bak	Field Personnel: Corey N. Buchanan

Well Gauging Information

Well ID:	Total Well Depth (ft.)	Screened Interval (ft.)	Depth to Free Product (ft.)	Depth to Ground water (ft.)	Free Product Thickness (ft.)	Confirmed with Bailer?	Photos Taken ?	Well Pad OK?	Bolts in Well Cover?	Water in Well Vault?
MW-1	35.04	25-35	–	13.75	–	–	NO	YES	YES	NO
MW-2	41.63	37-42	–	20.00	–	–	↓	↓	↓	↓
MW-3	41.88	37-42	–	16.54	–	–				
MW-4	41.71	37-42	–	19.00	–	–				
MW-5	41.81	37-42	–	24.49	–	–				
MW-6	34.51	30-35	–	5.87	–	–				
MW-7	33.52	25-30	–	9.68	–	–				
MW-8	32.94	25-30	–	9.02	–	–				
MW-9	32.74	25-30	–	15.43	–	–				
MW-10	35.14	30-35	–	11.30	–	–				
MW-11	34.61	30-35	–	17.33	–	–				
MW-12	35.20	30-35	–	18.67	–	–				
MW-13	35.02	30-35	–	17.26	–	–				

Notes: MW-7 TO MW-9 & TW-1 TO TW-3 ARE STICK UP WELLS.

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: Carolina Country Convenience
County: Chesterfield	Project Manager: Scott Ball	Field Personnel: Grey N. Buchanan

Well Gauging Information

Well ID:	Total Well Depth (ft.)	Screened Interval (ft.)	Depth to Free Product (ft.)	Depth to Ground water (ft.)	Free Product Thickness (ft.)	Confirmed with Bailer?	Photos Taken ?	Well Pad OK?	Bolts in Well Cover?	Water in Well Vault?
TMW-14	34.80	30-35	–	19.39	–	–	NO	YES	YES	NO
TW-1	56.57	51-56	–	10.62	–	–				
TW-2	59.58	51-56	–	12.27	–	–				
TW-3	56.32	51-56	–	15.43	–	–				
TW-4	60.05	56-61	–	16.99	–	–				
TW-5	56.38	56-61	–	16.41	–	–				
TW-6	66.70	63-68	–	25.04	–	–				

Notes: _____

Signature: Grey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIE'S PIT STOP
County: CHESTERFIELD	Project Manager: SCOTT BALL	Field Personnel: COREY N. Buchanan

Well Gauging Information

Well ID:	Total Well Depth (ft.)	Screened Interval (ft.)	Depth to Free Product (ft.)	Depth to Ground water (ft.)	Free Product Thickness (ft.)	Confirmed with Bailer?	Photos Taken ?	Well Pad OK?	Bolts in Well Cover?	Water in Well Vault?
MW-10	34.61	25-35	–	17.66	–	–	NO	YES	YES	NO
MW-20	34.89	25-35	–	19.66	–	–	↓	↓	↓	↓
MW-20D	60.30	55-60	–	13.23	–	–				
MW-21	34.45	25-35	–	12.38	–	–				
MW-21D	60.01	55-60	–	15.69	–	–				
MW-22	34.68	25-35	–	12.61	–	–				
MW-22D	60.67	55-60	–	12.91	–	–				

Notes: _____

Signature: Corey N. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH	
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): 260	

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 58~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: ~~Y~~ or N	pH 7.0: ~~Y~~ or N	pH 10.0: ~~Y~~ or N	S.C.: ~~Y~~ or N
~~YSI 85~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte (Turbidity)~~ HANNA	SN 08356996	0.0 NTU: Y or N	1.0 NTU: ~~Y~~ or N	10.0 NTU: ~~Y~~ or N	

Well Information

Well ID: PW-3	Well Diameter (ft.): –	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: ___Bailer X Pump
___MW ___IW ___RW ___Other_____ X Private WSW ___Public WSW	Screened Interval (ft.): to –	Total Well Depth (TWD) (ft.): –	
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): –	Free Product Thickness (ft.): N/A	
Length of water column (LWC = TWD – DGW) (ft.): –	1 casing volume (CV = LWC x C) (gals.): –	3 casing volumes (3 x CV) (gals.): –	

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)								
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1007	Duplicate: Y or ~~N~~	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): 60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-1	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 25 to 35		Total Well Depth (TWD) (ft.): 35.04
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 13.75		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 21.29	1 casing volume (CV = LWC x C) (gals.): 3.40		3 casing volumes (3 x CV) (gals.): 10.29

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.40	6.81	10.29				
Time (military)	1600	1609	1614	1617				1617
PH (s.u.)	7.60	6.93	6.70	6.04				
Specific Conductivity (µS/cm)	394	365	335	438				
Water Temperature (°C)	21.42	20.23	19.79	18.87				
Turbidity (NTU)	7.79	35.6	226	339				
Dissolved Oxygen (mg/L)	0.64	1.03	1.90	0.87				

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1617	Duplicate: Y or N	If yes, Duplicate Time:

Notes: ODOR

Signature: Angela Roach

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH	
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°	

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-2	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 37 to 42		Total Well Depth (TWD) (ft.): 41.63
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 20.00		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 21.63	1 casing volume (CV = LWC x C) (gals.): 3.46		3 casing volumes (3 x CV) (gals.): 10.38

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.46	6.92	10.38				
Time (military)	1140	1147	1153					1153
PH (s.u.)	5.81	5.90	5.90					
Specific Conductivity (µS/cm)	426	425	422					
Water Temperature (°C)	19.56	18.52	18.67					
Turbidity (NTU)	50.9	62.1	156					
Dissolved Oxygen (mg/L)	0.99	1.17	1.38					

Sampling Data

Sampled By ANGELA ROACH	Sampling Time: 1153	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: DRY @ 7 GAL.

Signature: Angela Roach

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration: 1000 µS/cm			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-3	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 37 to 42		Total Well Depth (TWD) (ft.): 41.88
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 16.54		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 25.34	1 casing volume (CV = LWC x C) (gals.): 4.05		3 casing volumes (3 x CV) (gals.): 12.16

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	4.05	8.10	12.16				
Time (military)	1153	1158	1206					1213
PH (s.u.)	~~19.27~~ 5.99	5.84	5.53					
Specific Conductivity (µS/cm)	169	145	101					
Water Temperature (°C)	19.27	18.83	18.43					
Turbidity (NTU)	19.8	16.6	994					
Dissolved Oxygen (mg/L)	2.36	2.12	1.92					

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 1213	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: DRY @ 2.25 VOLUMES (8.25 g)

Signature: Corey N. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY D. Brahman / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration: 1030 µS/cm			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-4	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 37 to 42		Total Well Depth (TWD) (ft.): 41.71
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 19.00		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 22.71	1 casing volume (CV = LWC x C) (gals.): 3.63		3 casing volumes (3 x CV) (gals.): 10.90

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.63	7.26	10.90				
Time (military)	1200	1206	1209					1211
PH (s.u.)	5.51	5.48	5.47					
Specific Conductivity (µS/cm)	130	164	165					
Water Temperature (°C)	19.50	18.89	18.52					
Turbidity (NTU)	4.29	14.0	67.5					
Dissolved Oxygen (mg/L)	3.33	1.89	1.63					

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1211	Duplicate: Y or N	If yes, Duplicate Time:

Notes: DRY @ 2.75 VOLUMES (7.26 GAL)

Signature: Angela Roach

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: CORY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1030 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-5	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 37 to 42		Total Well Depth (TWD) (ft.): 41.81
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 24.49		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 16.82	1 casing volume (CV = LWC x C) (gals.): 2.69		3 casing volumes (3 x CV) (gals.): 8.07

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.69	5.38	8.07				
Time (military)	1120	1129	1132					1134
PH (s.u.)	6.02	5.88	5.88					
Specific Conductivity (µS/cm)	239	172	127					
Water Temperature (°C)	18.19	17.90	17.59					
Turbidity (NTU)	4.32	156	>1000					
Dissolved Oxygen (mg/L)	4.14	4.74	4.06					

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1134	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: DRY @ 2.25 Volumes (5.50 gal)

Signature: Angela Roach

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: Scott BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			1020 µS/cm
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-6	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 34.51
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 5.87		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 28.64	1 casing volume (CV = LWC x C) (gals.): 4.58		3 casing volumes (3 x CV) (gals.): 13.74

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	4.58	9.16	13.74				
Time (military)	1450	1502	1509					1514
PH (s.u.)	6.11	6.20	5.81					
Specific Conductivity (µS/cm)	848	1010	1078					
Water Temperature (°C)	17.96	17.72	16.27					
Turbidity (NTU)	118	8.67	595					
Dissolved Oxygen (mg/L)	4.48	3.33	3.07					

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 1514	Duplicate: Y or N	If yes, Duplicate Time:

Notes: DRY @ 9.25 gallon

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-7	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 25 to 30		Total Well Depth (TWD) (ft.): 33.52
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 9.68		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 23.84	1 casing volume (CV = LWC x C) (gals.): 3.81		3 casing volumes (3 x CV) (gals.): 11.44

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.81	7.62	11.44				
Time (military)	1052	1100						1101
PH (s.u.)	5.56	5.74						
Specific Conductivity (µS/cm)	237	307						
Water Temperature (°C)	17.49	16.97						
Turbidity (NTU)	12.4	279						
Dissolved Oxygen (mg/L)	5.62	3.71						

Sampling Data

Sampled By ANGELA ROACH	Sampling Time: 1101	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 1.75 volumes (4 g)

Signature: Angela Roach

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1020 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-8	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 25 to 30		Total Well Depth (TWD) (ft.): 32.74
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 9.02		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 23.72	1 casing volume (CV = LWC x C) (gals.): 3.79		3 casing volumes (3 x CV) (gals.): 11.38

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.79	7.59	11.38				
Time (military)	1006	1016						1020
PH (s.u.)	5.75	5.27						
Specific Conductivity (µS/cm)	258	323						
Water Temperature (°C)	17.46	16.30						
Turbidity (NTU)	8.77	705						
Dissolved Oxygen (mg/L)	4.88	4.41						

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 1020	Duplicate: Y or X	If yes, Duplicate Time:

Notes: DRY @ 5.00 GAL.

Signature: Corey N. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ~~JOSHUA POACH~~	
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°	

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-9	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 25 to 30		Total Well Depth (TWD) (ft.): 32.74
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 15.43		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 17.31	1 casing volume (CV = LWC x C) (gals.): 2.75		3 casing volumes (3 x CV) (gals.): 8.25

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.75	5.50	8.25				
Time (military)	0939	0949						0953
PH (s.u.)	6.28	5.44						
Specific Conductivity (µS/cm)	107	87						
Water Temperature (°C)	16.99	12.20						
Turbidity (NTU)	10.1	113						
Dissolved Oxygen (mg/L)	3.97	4.16						

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 0953	Duplicate: Y or N	If yes, Duplicate Time:

Notes: DRY @ 2.75 g

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COLBY N. BRADHAM / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration: 1020 µS/cm			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-10	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ ___Private WSW ___Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 35.14
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 11.30		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 23.84	1 casing volume (CV = LWC x C) (gals.): 3.81		3 casing volumes (3 x CV) (gals.): 11.44

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	~~1456~~ 0.25	3.81	7.62	11.44				
Time (military)	1456	1505						1456
PH (s.u.)	6.17	6.18						
Specific Conductivity (µS/cm)	1072	1219						
Water Temperature (°C)	20.32	18.88						
Turbidity (NTU)	13.8	44.1						
Dissolved Oxygen (mg/L)	1.22	1.10						

Sampling Data

Sampled By ANGELA ROACH	Sampling Time: 1456	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: DRY @ 1.75 Volumes (4 g)

Signature: Angela Roach

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
					1020 µS/cm
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-11	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = (0.16) 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW		Screened Interval (ft.): 30 to 35	Total Well Depth (TWD) (ft.): 34.61
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 17.33		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 17.28	1 casing volume (CV = LWC x C) (gals.): 2.76		3 casing volumes (3 x CV) (gals.): 8.29

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.76	5.52	8.29				
Time (military)	1345	1350	1358					1401
PH (s.u.)	5.79	5.22	5.41					
Specific Conductivity (µS/cm)	180	155	175					
Water Temperature (°C)	20.23	20.53	19.11					
Turbidity (NTU)	8.65	161	405					
Dissolved Oxygen (mg/L)	0.57	0.65	1.30					

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 1401	Duplicate: Y or N	If yes, Duplicate Time:

Notes: ODOR ; DRY @ 5.75 gal

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COLBY D. BRADHAM / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration: 1000 µS/cm			
YSI 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-12	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 35.20
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 18.67		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 16.53	1 casing volume (CV = LWC x C) (gals.): 2.64		3 casing volumes (3 x CV) (gals.): 7.93

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.64	5.28	7.93				
Time (military)	1349	1357	1359	1401				1401
PH (s.u.)	5.39	5.31	5.15	5.01				
Specific Conductivity (µS/cm)	148	166	144	131				
Water Temperature (°C)	20.27	19.63	20.15	19.12				
Turbidity (NTU)	1.96	66.0	42.2	>1000				
Dissolved Oxygen (mg/L)	1.98	1.51	1.28	1.51				

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1401	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: ODOR

Signature: Angela Roach

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY D. Brahm / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): 60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-13	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 35.02
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 17.26		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 17.76	1 casing volume (CV = LWC x C) (gals.): 2.84		3 casing volumes (3 x CV) (gals.): 8.52

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.84	5.68	8.52				
Time (military)	1316	1323	1330					1332
PH (s.u.)	5.47	5.66	5.80					
Specific Conductivity (µS/cm)	267	423	414					
Water Temperature (°C)	19.96	18.50	17.80					
Turbidity (NTU)	14.9	190	835					
Dissolved Oxygen (mg/L)	0.53	0.89	0.68					

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1332	Duplicate: (Y) or N	If yes, Duplicate Time: 1333

Notes: ODOR

DRY @ 2 Volumes (5.75 g)

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COLBY D. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-14	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 34.80
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 19.39		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 15.41	1 casing volume (CV = LWC x C) (gals.): 2.46		3 casing volumes (3 x CV) (gals.): 7.39

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.46	4.93	7.39				
Time (military)	1407	1418						1424
PH (s.u.)	5.40	5.77						
Specific Conductivity (µS/cm)	179	181						
Water Temperature (°C)	18.71	17.72						
Turbidity (NTU)	2,104	125						
Dissolved Oxygen (mg/L)	2.63	2.35						

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1424	Duplicate: (Y) or N	If yes, Duplicate Time: 1425

Notes: ODOR DRY @ 1.75 Volumes (2.5 g)

Signature: Angela Roach

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~ 60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N (1000 µS/cm)
YSI 5? (Dissolved Oxygen) 556	13B100013	Y or N			
LaMotte (Turbidity) HANNA	SN 08356996	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: BAW-JW-1	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 51 to 56		Total Well Depth (TWD) (ft.): 56.57
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 10.62		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 45.95	1 casing volume (CV = LWC x C) (gals.): 7.35		3 casing volumes (3 x CV) (gals.): 22.05

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	7.35	14.70	22.05				
Time (military)	1046	1101	1112					1116
PH (s.u.)	5.83	5.77	5.68					
Specific Conductivity (µS/cm)	324	303	260					
Water Temperature (°C)	17.53	17.11	17.02					
Turbidity (NTU)	14.7	46.6	>1000					
Dissolved Oxygen (mg/L)	2.74	2.68	2.86					

Sampling Data

Sampled By: COREY N. BUCHANAN	Sampling Time: 1116	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: STICK-UP CASING; DRY @ 2 Volumes (14.75 g)

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY D. BRADHAM / ANGELA ROACH	
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°	

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N (1000 µS/cm)
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: TW-2	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 51 to 56	Total Well Depth (TWD) (ft.): 59.58	
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 12.27	Free Product Thickness (ft.): N/A	
Length of water column (LWC = TWD – DGW) (ft.): 47.31	1 casing volume (CV = LWC x C) (gals.): 7.56	3 casing volumes (3 x CV) (gals.): 22.70	

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	7.56	15.13	22.70				
Time (military)	1000	1029	1029	1041				1042
PH (s.u.)	5.94	6.05	6.07	5.65				
Specific Conductivity (µS/cm)	378	334	209	172				
Water Temperature (°C)	16.36	15.98	16.44	15.95				
Turbidity (NTU)	109	78.9	119	216				
Dissolved Oxygen (mg/L)	4.05	3.97	4.14	3.64				

Sampling Data

Sampled By: Angela Roach	Sampling Time: 1042	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: STICK-UP CASING

Signature: Angela Roach

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration: 1000 µS/cm			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: TW-3	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 51 to 56		Total Well Depth (TWD) (ft.): 56.33
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 15.43		Free Product Thickness (ft.): ~~19.63~~ N/A
Length of water column (LWC = TWD – DGW) (ft.): 40.90	1 casing volume (CV = LWC x C) (gals.): 6.54		3 casing volumes (3 x CV) (gals.): 19.63

Purging Data

	Initial	1st Vol. 6.54	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	~~15.43~~	13.08	19.63				
Time (military)	0909	0922	0931					0936
PH (s.u.)	7.13	6.47	6.38					
Specific Conductivity (µS/cm)	558	555	532					
Water Temperature (°C)	15.15	14.25	12.57					
Turbidity (NTU)	112	307	74000					
Dissolved Oxygen (mg/L)	4.33	4.76	4.86					

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 0936	Duplicate: Y or N	If yes, Duplicate Time:

Notes: PICK UP CASING; DTW @ 13.25 VOL.

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: TW-4	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 56 to 61		Total Well Depth (TWD) (ft.): 60.05
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 16.99		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 43.06	1 casing volume (CV = LWC x C) (gals.): 6.88		3 casing volumes (3 x CV) (gals.): 20.66

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6.88	13.77	20.66				
Time (military)	1409	1418	1427					
PH (s.u.)	5.64	5.70	5.71					
Specific Conductivity (µS/cm)	505	622	768					
Water Temperature (°C)	18.87	17.25	17.83					
Turbidity (NTU)	5.84	15.1	424					
Dissolved Oxygen (mg/L)	0.95	1.42	2.63					

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 1434	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: ODOR; DRY @ 15 gallons

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: 1000 µS/cm Y or N
YSI 55 (Dissolved Oxygen) 556	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-TW-5	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 56 to 61		Total Well Depth (TWD) (ft.): 56.38
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 16.41		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 39.97	1 casing volume (CV = LWC x C) (gals.): 6.39		3 casing volumes (3 x CV) (gals.): 19.18

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6.39	12.79	19.18				
Time (military)	1313	1323	43					1336
PH (s.u.)	6.38	5.96						
Specific Conductivity (µS/cm)	691	644						
Water Temperature (°C)	19.73	18.57						
Turbidity (NTU)	39.2	43.7						
Dissolved Oxygen (mg/L)	0.97	1.76						

Sampling Data

Sampled By: COREY N. Buchanan	Sampling Time: 1336	Duplicate: Y or N	If yes, Duplicate Time:

Notes: DRY @ 9.00 GAL

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: COREY N. Buchman / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): 460

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: TCW-6	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 63 to 68		Total Well Depth (TWD) (ft.): 66.70
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 25.04		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 41.66	1 casing volume (CV = LWC x C) (gals.): 6.66		3 casing volumes (3 x CV) (gals.): 19.99

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6.66	13.33	19.99				
Time (military)	1117	1128						1142
PH (s.u.)	5.87	5.94						
Specific Conductivity (µS/cm)	125	116						
Water Temperature (°C)	17.87	17.90						
Turbidity (NTU)	22.1	53.0						
Dissolved Oxygen (mg/L)	2.83	1.80						

Sampling Data

Sampled By: COREY N. Buchman	Sampling Time: 1142	Duplicate: Y or N	If yes, Duplicate Time:

Notes: DRY @ 1.75 VOLUMES (10 gal)

Signature: Corey N. Buchman

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIE'S PIT STOP	Field Personnel: Corey N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions:	Ambient Air Temp (°F):

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	1000 uS/cm S.C.: Y or N
YSI 55 (Dissolved Oxygen) 556	13B100013	Y or N			
LaMotte (Turbidity) HANNA	SN 08356996	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-10	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
XMW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 25 to 35		Total Well Depth (TWD) (ft.): 34.61
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 17.66		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 16.95 ~~17.66~~	1 casing volume (CV = LWC x C) (gals.): 2.71		3 casing volumes (3 x CV) (gals.): 8.13

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.71	5.42	8.13				
Time (military)	1637	1642	1648	1653				1655
PH (s.u.)	5.28	5.15	5.16	5.04				
Specific Conductivity (µS/cm)	169	163	180	169				
Water Temperature (°C)	19.96	20.05	2000	18.92				
Turbidity (NTU)	125	117	102	94.3				
Dissolved Oxygen (mg/L)	0.58	0.77	0.83	1.65				

Sampling Data

Sampled By: Corey N. Buchanan	Sampling Time: 1655	Duplicate: Y or N	If yes, Duplicate Time:

Notes: ODOR

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIES PIT STOP	Field Personnel: COREY D. Brahm / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: 1000 µS/cm X or N
YSI 55 (Dissolved Oxygen) 556	13B100013	X or N			
~~LaMotte~~ (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-20	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 25 to 35		Total Well Depth (TWD) (ft.): 34.89
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 19.66		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 15.23	1 casing volume (CV = LWC x C) (gals.): 2.43		3 casing volumes (3 x CV) (gals.): 7.31

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.43	4.87	7.31				
Time (military)	1506	1514	1520	1526				1527
PH (s.u.)	5.49	5.29	5.15	5.38				
Specific Conductivity (µS/cm)	218	191	179	208				
Water Temperature (°C)	21.14	20.77	19.94	19.60				
Turbidity (NTU)	13.1	58.6	224	>1000				
Dissolved Oxygen (mg/L)	0.92	0.68	1.19	1.26				

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1527	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: ___

Signature: ___

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIE'S PIT STOP	Field Personnel: Corey N. Buchanan / ANGELA ROACH	
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60	

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	1000 uS/cm S.C.: Y or N
YSI 55 (Dissolved Oxygen) 556	13B100013	Y or N			
LaMotte (Turbidity) HANNA	SN 08356996	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-20D	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): 55 to 60	Total Well Depth (TWD) (ft.): 60.30
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 13.23		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 47.07	1 casing volume (CV = LWC x C) (gals.): 7.53		3 casing volumes (3 x CV) (gals.): 22.59

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	7.53	15.06	22.59				
Time (military)	1519	1526	1538					1540
PH (s.u.)	5.66	5.59	8.02					
Specific Conductivity (µS/cm)	202	174	237					
Water Temperature (°C)	21.32	18.77	18.86					
Turbidity (NTU)	120	5.84	71000					
Dissolved Oxygen (mg/L)	2.82	1.97	2.21					

Sampling Data

Sampled By: Corey N Buchanan	Sampling Time: 1540	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Dry @ 15.25

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIE'S PIT STOP	Field Personnel: COREY N. Buchanan / ANGELA ROACH	
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°	

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N (1000 µS/cm)
YSI 55 (Dissolved Oxygen)	13B100013	Y or N			
LaMotte (Turbidity) HANNA	SN 0835696	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-21	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): 25 to 35	Total Well Depth (TWD) (ft.): 34.45
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 12.38		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 22.07	1 casing volume (CV = LWC x C) (gals.): 3.53		3 casing volumes (3 x CV) (gals.): 10.59

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.53	7.06	10.59				
Time (military)	1628	1688	1632					
PH (s.u.)	5.78	5.75	5.65					1632
Specific Conductivity (µS/cm)	341	336	341					
Water Temperature (°C)	21.88	21.16	19.21					
Turbidity (NTU)	380	694	816					
Dissolved Oxygen (mg/L)	0.46	1.03	1.69					

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1632	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: ODOR

DRY @ 2 VOLUMES (7.25)

Signature: [signature]

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIE'S PIT STOP	Field Personnel: Corey N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	1000 uS/cm S.C.: Y or N
YSI 55 (Dissolved Oxygen) 556	13B100013	Y or N			
LaMotte (Turbidity) HANNA	SN 08356996	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-21D	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): 55 to 60	Total Well Depth (TWD) (ft.): 60.01
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 15.69		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 44.32	1 casing volume (CV = LWC x C) (gals.): 7.09		3 casing volumes (3 x CV) (gals.): 21.27

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	7.04	14.18	21.27				
Time (military)	1528	1538	1550					1550
PH (s.u.)	9.85	11.53	11.90					
Specific Conductivity (µS/cm)	1208	2599	3044					
Water Temperature (°C)	20.81	18.50	17.57					
Turbidity (NTU)	76.5	112	259					
Dissolved Oxygen (mg/L)	2.75	2.06	3.74					

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1550	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: DX4 @ 2 Volumes (14.25 g)

Signature: Angela Roach

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIE'S PIT STOP	Field Personnel: COZEY N. Buchman / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~60°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	1000 uS/cm S.C.: X or N
YSI 59 (Dissolved Oxygen) 556	13B100013	X or N			
LaMotte (Turbidity) HANNA	SN 08356996	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-22	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): 25 to 35	Total Well Depth (TWD) (ft.): 34.68
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 12.61		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 22.07	1 casing volume (CV = LWC x C) (gals.): 3.53		3 casing volumes (3 x CV) (gals.): 10.59

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.53	7.06	10.59				
Time (military)	1640	1645	1650	1653				
PH (s.u.)	5.22	5.24	5.10	5.22				1653
Specific Conductivity (µS/cm)	179	161	170	161				
Water Temperature (°C)	~~19.88~~ 21.34	20.55	19.93	18.69				
Turbidity (NTU)	8.78	4.67	13.0	43.8				
Dissolved Oxygen (mg/L)	0.51	0.92	1.33	1.74				

Sampling Data

Sampled By: ANGELA ROACH	Sampling Time: 1653	Duplicate: Y or N	If yes, Duplicate Time:

Notes: ODOR

Signature: [signature]

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 11/23/15	Site ID #: 18871	Site Name: EDDIE'S PIT STOP	Field Personnel: Corey N. Buchanan / ANGELA ROACH
County: CHESTERFIELD	Project Manager: SCOTT BAL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~60

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N (1000 uS/cm)
YSI 59 (Dissolved Oxygen) 556	13B100013	Y or N			
LaMotte (Turbidity) HANNA	SN 0835699G	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-22D	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): 55 to 60	Total Well Depth (TWD) (ft.): 60.67
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 12.91		Free Product Thickness (ft.): N/A
Length of water column (LWC = TWD – DGW) (ft.): 47.76	1 casing volume (CV = LWC x C) (gals.): 7.64		3 casing volumes (3 x CV) (gals.): 22.92

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	7.64	15.28	22.92				
Time (military)	1549	1559	1609	1616				
PH (s.u.)	9.72	9.37	7.56	6.48				1616
Specific Conductivity (µS/cm)	432	357	3.31	329				
Water Temperature (°C)	19.40	19.29	19.25	18.59				
Turbidity (NTU)	475	12.0	181	305				
Dissolved Oxygen (mg/L)	2.02	1.90	2.58	2.02				

Sampling Data

Sampled By: Corey N. Buchanan	Sampling Time: 1616	Duplicate: Y or N	If yes, Duplicate Time:

Notes: ODR

Signature: Corey N. Buchanan

APPENDIX C

Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

Page 1 of 1

3. Generator's Name and Mailing Address: Carolina Country Convenience, 1908 Hwy. 601 N., Pageland, SC

4. Generator's Phone ( )

5. Transporter 1 Company Name: GRT

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone: 704-995-4010

7. Transporter 2 Company Name: HERR Inc

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone: 910-640-2607

9. Designated Facility Name and Site Address: CWS, 303 S. Madison St, Whiteville NC

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 910-640-2604

11. WASTE DESCRIPTION	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Reg. Petroleum Contact Water		DR	121.87	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: W Scott Ball for Carolina Country Convenience

Signature: [signature]

Date: Month 12 Day 9 Year 15

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Corey Buchanan

Signature: [signature] (WSB)

Date: Month 12 Day 9 Year 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Marc Cox

Signature: [signature]

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest except as noted in item 19

Printed/Typed Name: Ryan Cox

Signature: [signature]

Date: Month 12 Day 9 Year 15

NON-HAZARDOUS WASTE

F 14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

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Rev. 3 05

APPENDIX D

Contractor Checklist

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?			X
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?			X
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?			X
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X		
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing or incomplete information.

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

MR MICHAEL WALLACE
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

FEB 2 6 2016

Re: Recovery Well Installation and AFVR Directive
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit #02261; CA #52033; MWA #UMW-26202
Release reported October 11, 2012
Monitoring Report Received December 21, 2015
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) recognizes your commitment to continue work at this site using Geological Resources, Inc. as your contractor. The next appropriate scope of work at the site is recovery well installation and aggressive fluid and vapor recovery (AFVR) to remove residual free-phase product and reduce concentrations of chemicals of concern (CoC).

Cost Agreement #52033 has been approved in the amount shown on the enclosed cost agreement form for the installation of one recovery well followed by a 96-hour AFVR event. The recovery well should be installed in between monitoring wells MW-1 and MW-21 in order to be utilized in AFVR events along with them. The recovery well should be four inches in diameter and installed to a depth of 30 feet. It should be screened from 10 feet to 30 feet. After well installation activities, the 96-hour AFVR event should be conducted on monitoring wells MW-1, 21 and the newly installed recovery well. The stingers shall be lowered at six inch intervals starting at the water table interface to the estimated historical low water table elevation for each well within the first 8 hours of the event. Thereafter, stingers should be adjusted to maximize FP and/or vapor recovery while maintaining dewatering of the smear zone. Off-gas treatment will be necessary. Well installation and AFVR activities may proceed immediately upon receipt of this letter, and must be performed by a South Carolina-Certified Underground Storage Tank Site Rehabilitation Contractor. The Well installation and AFVR event must be conducted in accordance with the current revision of the UST Quality Assurance Program Plan (QAPP). A copy of the QAPP is available at https://www.scdhec.gov/environment/lw/ust/ReleaseAssessmentClean-up/QualityAssurance/.

The Well Installation & AFVR report and invoice must be submitted to the Division within 90 days from the date of this letter. The report submitted at the completion of these activities should include the required information outlined in the QAPP. It should also contain SCDHEC Form 1903 and monitoring well logs for the newly installed recovery well. All applicable South Carolina certification requirements apply to preparation of an AFVR report.

Your contractor may directly bill the State Underground Petroleum Environmental Response Bank (SUPERB) account. Interim invoices may not be submitted for this scope of work. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

The Agency grants pre-approval for transportation of up to 20,000 gallons of free-phase product and petroleum-contaminated groundwater from the referenced facility to a permitted treatment facility for disposal. The transport and disposal must be conducted in accordance with the QAPP.

On all correspondence concerning this facility, please reference **UST Permit #02261**. If there are any questions concerning this project, feel free to contact me by telephone at (803) 898-0607or by e-mail at thrasham@dhec.sc.gov.

Sincerely,

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved cost agreement form
MWA Form

cc: Geological Resources, Inc., 3502 Hayes Rd., Monroe, NC 28110 (w/ enc)
Technical File (w/ enc)

D H E C
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Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

Monitoring Well Approval Form

Approval is hereby granted to:	Geological Resources, Incorporated
(on behalf of):	Carolina Country, LLC
Facility:	Carolina Country Convenience, 1908 Hwy 601 N, Pageland, SC
UST Permit Number:	02261
County:	Chesterfield

This approval is for the installation of 1 recovery well. The recovery well is to be installed in the approved location. The recovery well is to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the Agency shall be completed and submitted to the Agency within 30 days after well completion or abandonment unless another schedule has been approved by the Agency. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
4. All analytical data and water levels obtained from each monitoring well shall be submitted to the Agency within 30 days of receipt of laboratory results unless another schedule has been approved by the Agency as required by R.61-71.H.1.d.
5. If any of the information provided to the Agency changes, notification to Ashleigh Thrash (tel: (803) 898-0607 or e-mail: thrasham@dhec.sc.gov) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.
7. Agency approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002. A copy of this approval should be on the site during well installation.

Date of Issuance: **February 23, 2016** **Approval #: UMW-26202**

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Approved Cost Agreement 52033

Facility 02261 CAROLINA COUNTRY CONVENIENCE
THRASHAM
PO Number

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
04 MOB/DEMOB					
		A1 EQUIPMENT	1 0000	$1,020 000	1,020.00
		B1 PERSONNEL	2 0000	$423 000	846 00
09 WELL INSTALLATION					
		HH RECOVERY WELL (4 INCH DIA)	30 0000	$45 000	1,350.00
17 DISPOSAL					
		C1 SOIL TREATMENT DISPOSAL	2 0000	$60 000	120 00
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0.1200	$26,078.250	3,129 39
23 EFR					
		A4 96 HOUR EVENT	1.0000	$12,567 500	12,567.50
		C4 OFF GAS TREATMENT 96 HOUR	1 0000	$780.000	780 00
		D SITE RECONNAISSANCE	1 0000	$203 250	203 25
		F1 EFFLUENT DISPOSAL	20,000 0000	$0.440	8,800.00
		G AFVR EQUIPMENT MOB	1 0000	$391 500	391 50
				Total Amount	29,207 64

Thrash

UST 26 Keels DOCKET

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

DHEC — PROMOTE PROTECT PROSPER

1. WELL OWNER INFORMATION:
Name Carolina Country Convenience (last) (first)
Address 1908 Hwy 601 N
City Pageland State SC Zip
Telephone Work Home

2. LOCATION OF WELL: COUNTY: Clarendon
Name See Above
Street Address:
City Zip
Latitude: 34 46 04 Longitude 80 24 23

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
slightly clayey silt	30	30
# 02261 RW-1		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

RECEIVED
APR 13 2016
SITE ASSESSMENT, REMEDIATION & REVITALIZATION

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: INCIDENT # 02261

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft Date Started 3/17/16 Date Completed 3/17/16

10. CASING: ☑ Threaded ☐ Welded
Diam. _____
Type ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4 in to 10 ft depth
_____ in to _____ ft depth
Height Above /Below Surface .25 ft
Weight Sch 40 lb /ft
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type PVC Diam 4"
Slot/Gauge .010 Length 20
Set Between 10 ft and 30 ft.
_____ ft and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 16 ft below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface
NA ft after _____ hrs Pumping _____ G P M
Pumping Test ☐ Yes (please enclose) ☐ No
Yield _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 8 ft to 30 ft
Effective size medium Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth From 0 ft to 6 ft

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type _____ Amount _____

18. PUMP: Date installed NA Not installed ☐
Mfr. Name _____ Model No _____
H P _____ Volts _____ Length of drop pipe ___ ft Capacity ____ gpm
TYPE ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Michael Ransier CERT. NO.: 1152A
Address (Print) Level A B C D (circle one)
1 Piney Pt
Whispering Pines, NC 28327
Telephone No 910-690-6688 Fax No

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief

Signed _____ Date 3/25/16
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

Geological Resources, Inc.

May 6, 2016

Ms. Ashleigh Thrash
SCDHEC-Underground Storage Tank Management Division
Bureau of Land & Waste Management
2600 Bull Street
Columbia, SC 29201

Re: Recovery Well Installation & AFVR Report
March - April 2016
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County, SC
UST Permit Number: 02261
GRI Project No: 3289

Dear Ms. Thrash,

Please find enclosed the referenced report for the above mentioned site. If you have any questions, please do not hesitate to contact Scott Ball at (704) 845-4010.

Sincerely,
Geological Resources, Inc.

Jackie Donnelly
Project Coordinator

Enclosure

cc: Mr. Michael Wallace, Carolina Country LLC
file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

RECOVERY WELL INSTALLATION AND AFVR REPORT
MARCH-APRIL 2016
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, SOUTH CAROLINA
CHESTERFIELD COUNTY
UST PERMIT #02261
GRI PROJECT NO. 3289

Prepared for:

Michael Wallace
Carolina Country LLC
1908 Highway 601 North
Pageland, South Carolina 29728

Prepared by:

Geological Resources, Inc.
3502 Hayes Road
Monroe, North Carolina 28110
Class 1 UST Site Rehabilitation Contractor # 74

May 6, 2016

W. Scott Ball
Senior Project Manager

Randy A. Smith, P.G.
License Number 2323

TABLE OF CONTENTS

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2.0 FACILITY INFORMATION 1

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4.0 AFVR EVENT 3

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7.0 LIMITATIONS 4

FIGURES

Figure 1: Site Location Map
Figure 2: Site Map

TABLES

Table 1: AFVR Event Chronology
Table 2: AFVR Event Gauging Data

APPENDICES

Appendix A: Water Well Record/Subsurface Log/SCDHEC Well Development Data Verification Form
Appendix B: Disposal Manifest
Appendix C: Hazmat Emergency Response and Remediation, Inc. - AFVR Report, Calculations, Disposal Manifest
Appendix D: Contractor Checklist

1.0 INTRODUCTION

This report presents the results of the recovery well installation and AFVR conducted in March and April 2016 at the Carolina Country Convenience site located at 1908 Highway 601 North, Pageland, Chesterfield County, South Carolina (**Figure 1** and **Figure 2**). The activities were conducted in accordance with the "Groundwater Sampling Directive" dated February 26, 2016, from the South Carolina Department of Health and Environmental Control (SCDHEC). The purpose of the activities was to reduce dissolved-phase petroleum contaminant concentrations in the ground water at the site. The site is currently operating as convenience store/petroleum retail facility/used auto sales called Carolina Country Convenience. The area surrounding the site is mixed use to include residential, agricultural and limited business. Three gasoline underground storage tanks (USTs) and associated piping and dispensers are currently in operation at the site.

A release (#1) from the UST system was reported at the site on September 30, 2008 and closed with a notice of No Further Action on November 6, 2008. A second release was reported at the site on October 11, 2012. An Initial Ground Water Assessment (IGWA) report documenting site assessment activities was submitted to the SCDHEC in October 2013. Based on the IGWA report, both soil and ground water samples exhibited levels of COCs above the RBSLs. Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were installed during previous assessment activities conducted at the site. The last comprehensive ground water sampling event was conducted at the site in November 2015. Three water supply wells were identified within 1,000 feet of the source area during a receptor survey conducted in November 2014 as part of the Tier II assessment. Municipal water is provided to all properties in the area. The former Eddies Pitt Stop facility (UST Permit # 18871) is located across Highway 601 on the adjacent property to the west of the subject site. A release was reported for this facility in August 2002. The release is currently being monitored by the SCDHEC. This report summarizes the March and April 2016 monitoring well installation activities and AFVR event conducted for the Carolina Country Convenience site.

2.0 FACILITY INFORMATION

- **Facility Name:** Carolina Country Convenience
- **Location:** 1908 Highway 601 North
Pageland, Chesterfield County, SC 29728
- **UST Permit No.** 02261

- **Land Use:** Commercial
- **Property Owner:** Wilson, Inc.
  Post Office Box 1839
  Pageland, SC 29721
  (803) 283-8468
- **UST Owner/Operator:** Carolina Country Convenience
  1908 Highway 601 N.
  Pageland, SC 29728
  (843) 672-5527
- **Site Rehabilitation Contractor:** Geological Resources, Inc.
  3502 Hayes Road
  Monroe, North Carolina 28110
  (704) 845-4010
  Class 1, Certification Number 74
- **Drilling Contractor:** Michael Ransier
  1 Piney Point
  Whispering Pines, North Carolina 28327
  (910) 690-6688
  Certification Number 1152-A
- **Laboratory:** Accutest Laboratories - Southeast
  4405 Vineland Road, Suite C-15
  Orlando, FL 32811
  (407) 425-6700
  State Certification Number: 96038001

Release Information:

- **Date Discovered:** October 11, 2012
- **Estimated Amount of Release:** Unknown
- **Source of Release:** Leaking UST System
- **UST Size/Contents:** One 10,000-gallon gasoline UST, and two 6,000-gallon gasoline USTs, associated piping, and dispensers
- **Latitude:** 34.7940878° North **Longitude:** 80.4035483° West

3.0 RECOVERY WELL INSTALLATION

Geological Resources, Inc. (GRI) personnel and the drilling contractor, Ransier Environmental Drilling, Inc., arrived at the subject site on March 17, 2016, to install recovery well RW-1. Recovery well RW-1 was installed between monitoring wells MW-1 and MW-21. The recovery well was installed to a total depth of thirty feet and completed with a 20-foot section of screen set to intersect the shallow water table.

The recovery well was completed at grade with a manhole cover and concrete pad.

Soil cuttings generated during the installation of the recovery well were containerized (approximately 1.0 ton) and later transported to a licensed disposal facility. The recovery well was developed with a submersible pump. The well pumped dry very quickly and was very slow to recover. Only three gallons of water were removed during the development process. The development water was containerized with the soil cuttings. A Site Map showing the location of the recovery well and the structures on-site has been included as **Figure 2**. A Water Well Record, subsurface log and DHEC's Well Development Data Verification Form have been included in **Appendix A**. A copy of the Soil Disposal Manifest has been included as **Appendix B**.

4.0 AFVR EVENT

GRI personnel visited the site on April 7, 2016 and gauged RW-1. The measured depth to water in RW-1 was 9.08 feet. No measurable amount of free product was noted.

The AFVR contractor, Hazmat Emergency Response and Remediation, Inc. (HERR), arrived on-site on April 11, 2016 to conduct a 96-hour AFVR event. General weather conditions were overcast with an ambient air temperature of approximately 58°F at the time of system start-up. No free product was noted in recovery well RW-1. Monitoring wells MW-1 and MW-21 were used as observations wells for the AFVR event. Fluid recovery activities using a vacuum truck with a maximum vacuum rating of 25 in./Hg and a capacity of 325 cubic feet per minute were conducted for approximately 48 hours on RW-1. During the course of the event, the vacuum at the well heads remained stable at 20 in. Hg. and the stinger remained at a depth of approximately 13.0 feet. Please note that the vacuum truck was equipped with a activated charcoal filter for off-gas treatment of vapor phase hydrocarbons. A total of 1,900 gallons of liquids were removed during the event. No measurable amount of liquid phase free product was generated during the event. Based on data collected during the AFVR event, an estimated total of 5.9379 pounds (approximately 0.950 gallons) of product was removed in the vapor phase. Based on this information, it appears that the AFVR event was successful in removing vapor phase petroleum from the site. Please note that the event was initially scheduled to be conducted for 96 hours. However, based on the low rate of fluid recovery and the disruption of business at the site due to where the AFVR rig was required to set up, it was decided, with the approval of DHEC, that the event would be stopped after 48 hours.

Chronology for the AFVR event is included in **Table 1**. AFVR event gauging data is included in **Table 2**.

The AFVR report, calculations and the recovered liquid disposal manifest provided by HERR are included in **Appendix C**.

5.0 QA/QC

Monitoring well installation and development was conducted in general accordance with the SCDHEC Programmatic QAPP and the approved site specific Contractor Addendum. All gauging and field measurement equipment was properly calibrated prior to use and decontaminated between readings. All applicable items on the Contractor Checklist were reviewed and verified. A copy of the Contractor Checklist is included as **Appendix D**.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- One 4-inch recovery well (RW-1) was installed at the site in March 2016.
- One 48-hour AFVR event was conducted at the site from April 11 through April 13, 2016 in order to reduce concentrations of COCs in the ground water at the site.
- GRI makes the following recommendations:
  - Free product recovery activities should continue at the site, as needed. 8-hour events should be conducted at night while the business on site is closed in order to prevent disruption of business at the site.
  - Ground water sampling at the site should continue. The next sampling event should be conducted in June 2016.

7.0 LIMITATIONS

This report has been prepared for the exclusive use of Michael Wallace and the SCDHEC for specific application to the referenced site in Chesterfield County, South Carolina. The activities were conducted based on the scope of work and level of effort specified by the SCDHEC and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of geology and hydrogeology practices in the State of South Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained form samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data. Please note that certain information

contained in this report was not obtained under the direct supervision of GRI personnel. Therefore, GRI cannot verify the accuracy of this information. However, for the purpose of this report, GRI assumes the information is correct.

FIGURES

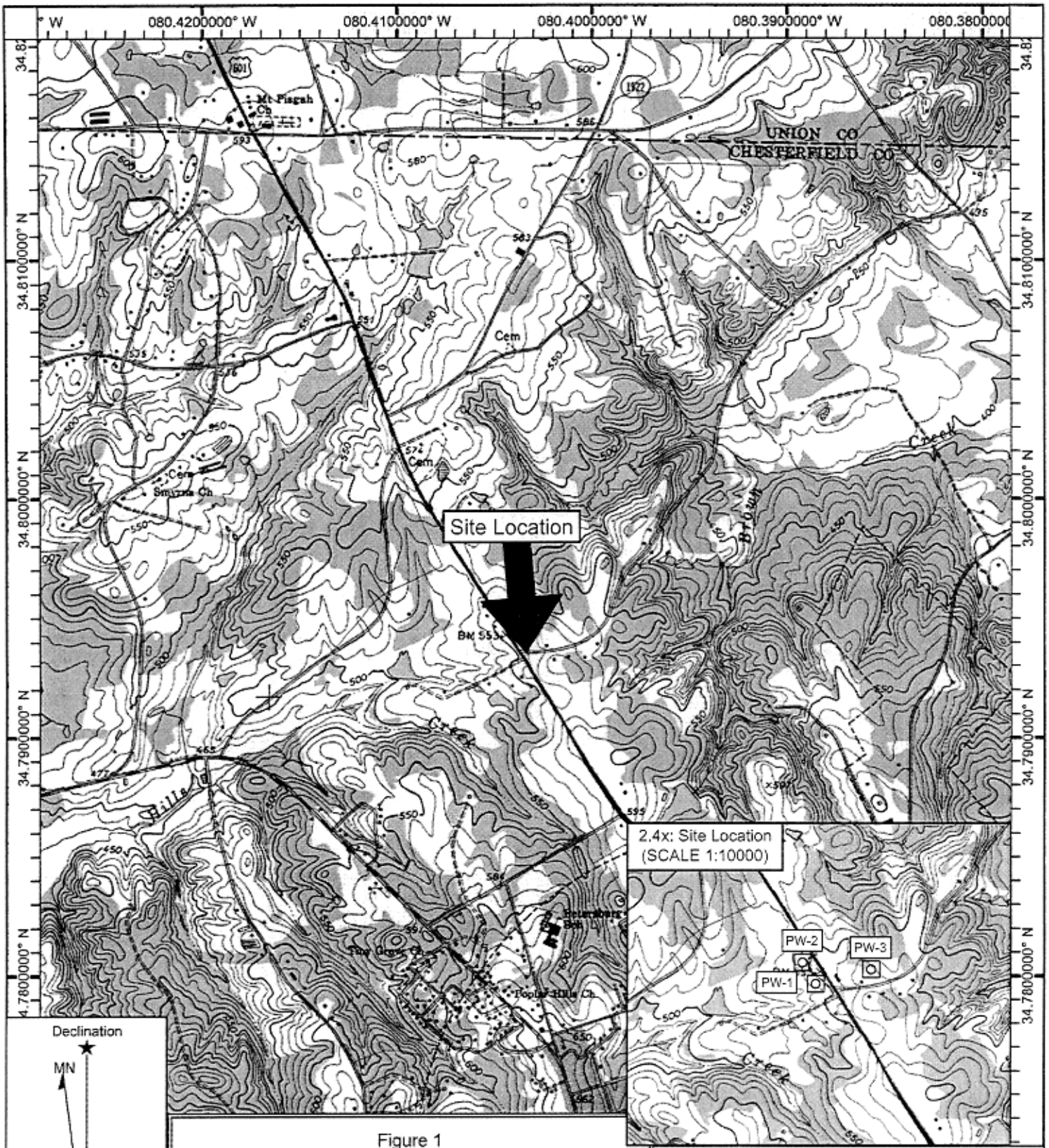


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

Name: Topographic Map
Date: 04/19/16
Scale: 1 inch = 2,000 ft.

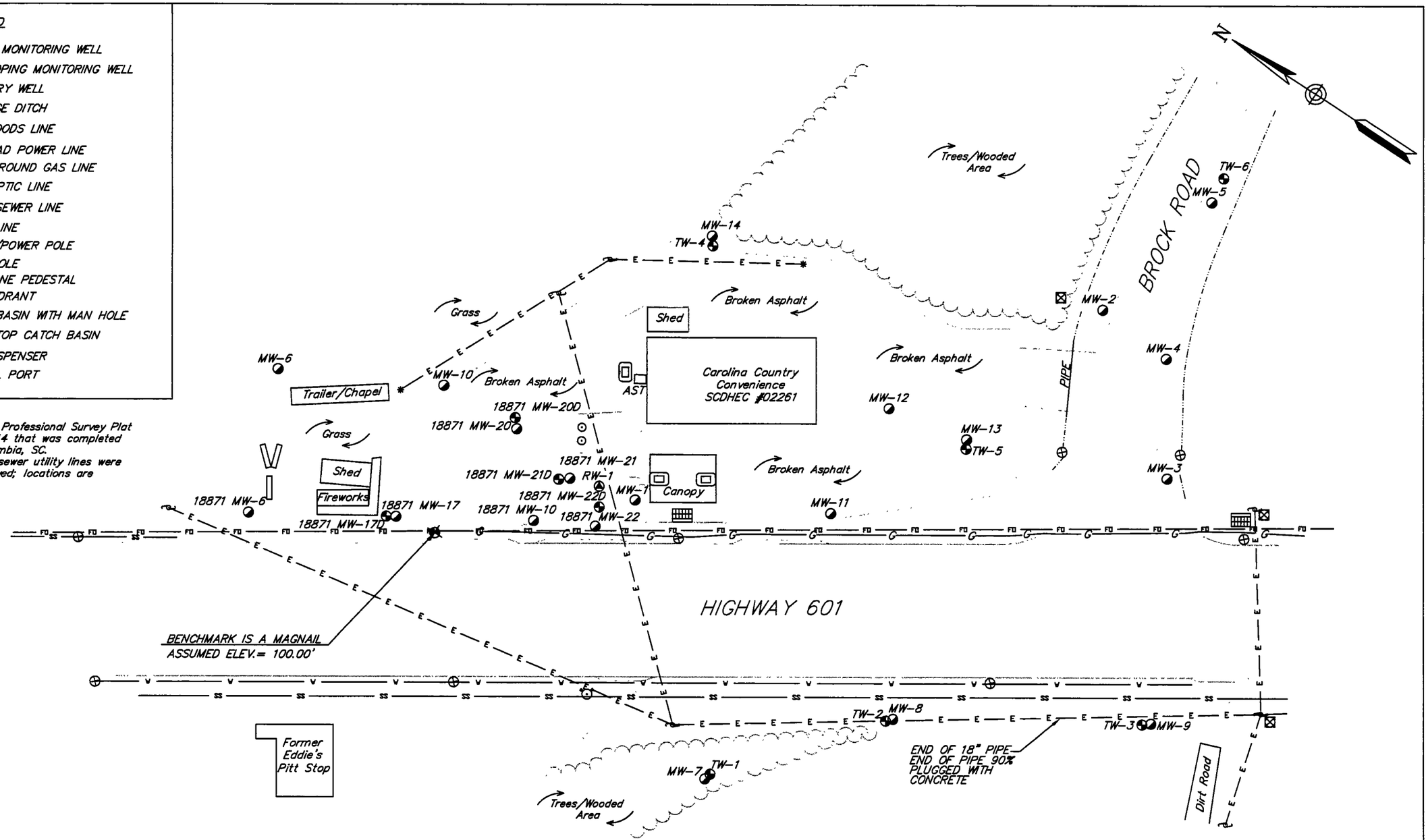
Map Center Location: 034.7940878° N 080.4035483° W

Generated by Geological Resources, Inc.

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	04/19/16	Drawn by:	ECH	Figure:	2

TABLES

TABLE 1
AFVR EVENT CHRONOLOGY
CAROLINA COUNTRY CONVENINECE
UST PERMIT # 02261
APRIL 11 - APRIL 13, 2016

Task	Hours	Personnel	Equipment	Company
Vacuum Truck Setup for Fluid Removal in RW-1	9:30 - 10:00	Vacuum Truck Operator	Vacuum Truck	HERR
Gauge Liquid Level in RW-1	9:45	Vacuum Truck Operator	Interface Probe	HERR
Fluid Recovery in RW-1	10:00 - 4/11/16 09:00 - 4/13/16	Vacuum Truck Operator	Vacuum Truck	HERR
Gauge Liquid Level in RW-1	9:15	Vacuum Truck Operator	Interface Probe	HERR

TABLE 2
AFVR EVENT GAUGING DATA
CAROLINA COUNTRY CONVENIENCE
UST PERMIT #02261

	Date	Time	Depth to Free Product	Depth to Ground Water	Free Product Thickness
RW-1	04/07/16	16:50	---	9.08	0.00
	04/11/16	9:45	---	10.26	0.00
	04/13/16	9:15	---	12.42	0.00

Note:
• Data reported in feet.

APPENDICES

APPENDIX A

Water Well Record/Subsurface Log/SCDHEC Well Development Data Verification Form

Geological Resources, Inc.
2301-F Crown Point Executive Drive
Charlotte, NC 28227

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	RW-1	Date Drilled	03/17/16
Sample Method	NA	Drilling Method	Auger Rig (8.25" OD)
Completion Details	4" diameter well installed to 30 feet and completed witha 20' screen interval		
Driller	Ransier Environmental Drilling	Log By	Angela Roach

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0-0.25' Asphalt 0.25'-18.0' Tan clayey SILT
2						
4						
6						
8						
10						
12						
14						
16						
18						18.0'-30.0' Brown MUDSTONE
20						
22						
24						
26						
28						
30						Well set @ 30.0'
32						
34						
36						

D H E C
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Carolina Country Convenience (last) (first)
Address: 1908 Hwy 601 N
City: Pageland State: SC Zip: 29728
Telephone: Work: 843 672-5527 Home:

2. LOCATION OF WELL: COUNTY: CHESTERFIELD
Name: See Above
Street Address:
City: Zip:
Latitude: 34.7940078 °N Longitude: 80.4035483 °W

3. PUBLIC SYSTEM NAME: PUBLIC SYSTEM NUMBER:

4. ABANDONMENT: ☐ Yes ☑ No
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
slightly clayey silt	30	30
# 02261 RW-1		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		
5. REMARKS:		

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: INCIDENT # 02261 umw-26202

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft. Date Started: 3/17/16 Date Completed: 3/17/16

10. CASING: ☑ Threaded ☐ Welded
Diam.: _____
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4 in. to 10 ft. depth
_____ in. to _____ ft. depth
Height: Above /Below
Surface .25 ft.
Weight Sch 40 lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: .010 Length: 20
Set Between: 10 ft. and 30 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 16 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test. ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 8 ft. to 30 ft.
Effective size medium Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 6 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: ____ ft. ____ direction
Type _____
Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe ___ ft. Capacity ___ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Michael Ransier CERT. NO.: 1152A
Address: (Print) 1 Piney Pt
Whispering Pines, NC 28327
Level: A B C D (circle one)
Telephone No.: 910-690-6688 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: _____ Well Driller Date: 3/25/16

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

D H E C
PROMOTE PROTECT PROSPER

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience Site ID#: 02261

Date: 03/17/16 Field Personnel: Angela Roach

Drilling Company: Redi Driller's Name: Mike Ranisor

Driller's Certification Number: 1152 Weather Conditions: Sunny

Well Development Method

Surge Block ○ Submersible Pump ● Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	13B100013	serial no.	13B100013	serial no. 13B100013	serial no.	14070033189
pH=4.0	4.0	standard	1000		NTU=0.0	0.0
pH=7.0	7.0				NTU=1.0	1.0
pH=10.0	10.0				NTU=10.0	10.0

Drilling Method

Hollow Stem Augers ● Solid Flight Augers ○ Direct Push ○

Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# RW-1 Well Casing Diameter 4 inches Borehole Diameter 8.25 inches

Depth to Ground Water (DGW) 28.82 ft. Screen Length/Slot Size 20 ft./ 0.010in.

Total Well Depth (TWD) 30.14 ft. Screen Interval 10 ft. to 30 ft.

Length of water column (LWC=TWD-DGW) 1.32 ft. Type of Drilling Fluids used: None

Total Gallons of Water Removed: 3 gals. Drilling Fluids recovered N/A gals.

Time (military)	1526						
pH (s.u.)*	6.19						
Specific Conductivity (mmhos/cm)*	287						
Water Temperature (C)*	19.167						
Turbidity (NTU) *	783						
Physical Characteristics (color/odor)	Cloudy/ no odor						
Water Level Measurement (ft) from TOC	28.82						
Total Well Depth (ft) from TOC	30.14						
Cumulative Gallons Removed	3 gals	gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process:

DRY; slow to Recharge

Driller Signature: [signature] Date: 3-17-16

APPENDIX B

Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address: CAROLINA COUNTRY CONVENIENCE, 1908 HWY 601 N., PAGELAND, SC

4. Generator's Phone ( )

5. Transporter 1 Company Name: HERR Inc

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone: 910-640-2607

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: HERR Inc, 303 S. MAULTSBY ST., WHITEVILLE, NC

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 910-640-2607

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Petroleum Contaminated Soil	3	DM	1	T
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Angela Hargett — Signature: Angela Hargett — Date: Month 4 Day 13 Year 16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Norm Jensen — Signature — Date: Month 4 Day 13 Year 16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: RYAN COX — Signature — Date: Month 4 Day 13 Year 16

NON-HAZARDOUS WASTE

F-14 ©2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

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Rev. 3/05

APPENDIX C

Hazmat Emergency Response and Remediation, Inc. - AFVR Report, Calculations, Disposal Manifest

HAZMAT EMERGENCY RESPONSE AND REMEDIATION, INC.
PO Box 2345 · 303 South Maultsby Street · Whiteville, NC 28472 · Phone: 910-640-2607
Fax: 910-640-2609 · e-mail: herrteam@hotmail.com · www.herrteam.com

Monday, May 2, 2016

Scott Ball
Geological Resources, Inc.
2301-F Crown Point Executive Dr.
Charlotte, NC 28227

Re: Site Name: Carolina Country Convenience
Pageland, SC
UST Permit #: 02261

Scott,

This event was originally scheduled as a 96 hour event, however the event was shut down after 48 hours at the instruction of Geological Resources, Inc. Hazmat Emergency Response and Remediation, Inc. (HERR) completed one 48 hour Aggressive Fluid Vapor Recovery (AFVR) event at the above site on April 11-13, 2016. Included is the documentation for the event. The 48 hour event was conducted on monitoring well RW-1.

If you have any questions, please do not hesitate to contact our office.

Sincerely,

Marc Cox
HERR Project Manager

Carolina Country Convenience
Pageland, SC
April 11-13, 2016

AFVR

HERR mobilized personnel and equipment to Carolina Country Convenience on 04/11/16. The ambient temperature was 58 deg F and weather conditions were overcast. The depths to product and water were measured prior to and subsequent to the AFVR event (See attached data). Stinger depth was lowered at six inch intervals starting at the water table interface until the target depth was reached. Personnel from Geological Resources, Inc. (GRI) were on site to supervise the event.
The 48 Hour AFVR event was conducted using a Global Vacuum Liquid Ring Pump with off gas treatment through a vapor phase granular activated carbon scrubber. The vacuum unit is capable of providing 325 CFM at 25 inches of mercury.

Pollutant Mass Removal
Total weight of 5.9379 pounds of petroleum in the vapor phase (total non-methane organic emissions) was removed during the 48 hour AFVR event. This amount is based on data collected during the AFVR event (see attached data sheets)

Liquid Disposal
Approximately 1,900 gallons of petroleum contact water was collected during the AFVR event (See attached disposal manifest).

APPENDICES

A. AFVR FIELD NOTES
B. POLLUTANT MASS REMOVAL DATA SHEET
C. LIQUID DISPOSAL MANIFEST

APPENDIX A

AFVR FIELD NOTES

Aggressive Fluid/Vapor Recovery Notes

(1)

vacuum conversion: (inches of water X 0.07355 = inches of mercury)

9:00 Time	RW-1 Vacuum at Targeted Well (in. Hg)	MW- Vacuum at Targeted Well (in. Hg)	MW- Vacuum at Targeted Well (in. Hg)	MW- Vacuum at Targeted Well (in. Hg)	Stinger Placement: Stinger Depth	Product Depth	Water Level	Notes
Mon 4-11 RW-1					11.00'	-0-	10.26	/12.42
10:00	20							
10:30	20				11.60'			
11:00	20							
11:30	20							
12:00	20				12.00'			
12:30	20							
1:00	20							
1:30	20				12.60'			
2:00	20							
2:30	20							
3:00	20				13.0'			
3:30	20							
4:00	20							
4:30	20							
5:00	20							
6:00	20							
7:00	20							
8:00	20							
9:00	20							
10:00	20							
11:00	20							
12:00	20							

Vacuum at Pump: 25" @ Pump

HERR, Inc.

AFVR – Field Notes

Site Name: CAROLINA COUNTRY CONVENIENCE Location: PAGELAND, SC

AFVR Contractor: HERR, Inc. Personnel: Steve & Dale Fowler

Date: 4/11-13/16 Ambient Air Temperature and General Weather Condition: Overcast 58°

Start Time 1: 9:00 4-11-16 Stop Time 1: 9:00 4-13-16 Start Time 2: _____ Stop Time 2: _____

Total volume of water removed during the 8-hour AFVR Event: 1,900 gal.

Total volume of product removed during the 8-hour AFVR Event: No Free Product

Product Recovery Rate: _____

Monitoring Well	Depth to product prior to stinger placement (ft. below TOC)	Depth to water prior to stinger placement (ft. below TOC)	Depth to product at cessation of vacuuming (ft. below TOC)	Depth to water at cessation of vacuuming (ft. below TOC)	Estimated volume of water removed during this event	Relevant Observations
RW 1	---	10.24	---	12.42	1,900 gal	

Aggressive Fluid/Vapor Recovery Notes

(2)

vacuum conversion: (inches of water X 0.07355 = inches of mercury)

		RW-1	MW-	MW-	MW-	Stinger Placement			
	Time	Vacuum at Targeted Well (in. Hg)	Vacuum at Targeted Well (in. Hg)	Vacuum at Targeted Well (in. Hg)	Vacuum at Targeted Well (in. Hg)	Stinger Depth	Product Depth	Water Level	Notes
Tue 4-12	8:00	20							
	10:00	20							
	12:00	20							
	2:00	20							
	4:00	20							
	6:00	20							
	8:00	20							
	10:00	20							
	12:00	20							
Wed 4-13	8:00	20				13'	-8-	12.42	
	9:00	Shut Down							

Vacuum at Pump: 25 @ Pump

Aggressive Fluid/Vapor Recovery Notes

(1)

vacuum conversion: (inches of water X 0.07355 = inches of mercury)

Mon 4-11

	MW- 1		MW- 21		MW-		MW-	
9:00 Time	Water Level	Vacuum Influence at Well (in. Hg)	Water Level	Vacuum Influence at Well (in. Hg)	Water Level	Vacuum Influence at Well (in. Hg)	Water Level	Vacuum Influence at Well (in. Hg)
9:30	10.70	0		0				
10:00	10.74	0		0				
10:30	10.74	0	10.69	0				
11:00	10.70	.02		0				
11:30	10.50	.02		0				
12:00	10.99	.02	10.91	0				
12:30	10.99	.02	10.91	0				
1:00	10.99	.02	10.91	0				
1:30	10.99	.02	10.90	0				
2:00	10.99	.02	10.90	0				
2:30	10.91	.02	10.90	0				
3:00	10.99	.02	10.90	0				
3:30	10.99	.02	10.90	0				
4:00	10.99	.02	10.91	0				
4:30	10.99	.02	10.91	0				
5:00	10.99	.02	10.91	0				
6:00	10.99	.02	10.91	0				
7:00	10.99	.02	10.91	0				
8:00	10.99	.02	10.91	0				
9:00	10.99	.02	10.91	0				
10:00	10.99	.02	10.91	0				
11:00	10.99	.02	10.91	0				
12:00	10.99	.02	10.91	0				

Aggressive Fluid/Vapor Recovery Notes

(2)

vacuum conversion: (inches of water X 0.07355 = inches of mercury)

		MW- 1		MW- 21		MW-		MW-	
	Time	Water Level	Vacuum Influence at Well (in. Hg)	Water Level	Vacuum Influence at Well (in. Hg)	Water Level	Vacuum Influence at Well (in. Hg)	Water Level	Vacuum Influence at Well (in. Hg)
Tue. 4-12	8 AM	11.08	.03	11.02	0				
	10 AM	11.14	.03	11.10	0				
	12 PM	11.14	.03	11.15	V				
	2 PM	11.15	.03	11.20	0				
	4 PM	11.15	.03	11.20	0				
	6 PM	11.17	.03	11.22	0				
	8 PM	11.17	.03	11.24	0				
	10 PM	11.19	.03	11.25	0				
	12 PM	11.22	.03	11.28	0				
Wed 4-13	8 AM	11.35	.03	11.39	0				
	9:AM	Shut Down							

Aggressive Fluid/Vapor Recovery Notes

(1)

Time	PID at stack (ppm)	PID after off-gas treatment (carbon) (ppm)	Velocity (ft. / min.)	Temperature (Farenheit)	Relative Humidity (%)	Other
9:00						
Mon 4-11 9:30	689	129	515	104	45	
10:00	694	130	518	105	45	
10:30	699	130	516	105	45	
11:00	712	129	519	107	45	
11:30	714	127	521	107	45	
12:00	717	128	522	108	45	
12:30	720	128	520	108	45	
1:00	721	129	523	109	45	
1:30	727	131	525	110	45	
2:00	738	132	528	110	45	
2:30	742	134	531	110	45	
3:00	746	134	536	109	45	
3:30	758	137	535	109	45	
4:00	765	138	537	108	45	
4:30	769	140	539	108	45	
5:00	775	141	542	107	45	
6:00	773	139	545	106	46	
7:00	776	138	545	106	46	
8:00	775	137	549	105	46	
9:00	772	135	551	105	44	
10:00	776	133	555	103	48	
11:00	764	131	561	102	48	
12:00	755	126	565	102	50	

Aggressive Fluid/Vapor Recovery Notes

(2)

	Time	PID at stack (ppm)	PID after off-gas treatment (carbon) (ppm)	Velocity (ft. / min.)	Temperature (Farenheit)	Relative Humidity (%)	PID Calibration
Tue 4-12	8.00	496	74	604	101	82	
	10.00	471	69	612	103	82	
	12.00	462	65	619	104	81	
	2.00	445	61	626	105	80	
	4.00	432	57	633	104	78	
	6.00	412	53	641	103	78	
	8.00	397	50	645	102	78	
	10.00	395	49	655	100	78	
	12.00	392	49	662	100	78	
Wed 4-13	9:00	374	44	715	101	66	
	9:00	Shut Down.					

APPENDIX B

POLLUTANT MASS REMOVAL DATA SHEETS

Site: Carolina Country Convenience
UST Permit #: 02261

Calculations - Flow at DSCFM							
Date	Time	Velocity (ft/min)	Cross Sec. Stack Area (ft^2)	Temperature (F)	Rel. Humidity	Water Vapor (%)	Qstd (flow)
4/11/16	9:00						
4/11/16	9:30	515	0.022	104	45	0.021612921	10.38
4/11/16	10:00	518	0.022	105	45	0.022284584	10.41
4/11/16	10:30	516	0.022	105	45	0.022284584	10.37
4/11/16	11:00	519	0.022	107	45	0.023684735	10.38
4/11/16	11:30	521	0.022	107	45	0.023684735	10.42
4/11/16	12:00	522	0.022	108	45	0.024414209	10.41
4/11/16	12:30	520	0.022	108	45	0.024414209	10.37
4/11/16	1:00	523	0.022	109	45	0.025163959	10.41
4/11/16	1:30	525	0.022	110	45	0.025934510	10.42
4/11/16	2:00	528	0.022	110	45	0.025934510	10.48
4/11/16	2:30	531	0.022	110	45	0.025934510	10.54
4/11/16	3:00	536	0.022	109	45	0.025163959	10.67
4/11/16	3:30	535	0.022	109	45	0.025163959	10.65
4/11/16	4:00	537	0.022	108	45	0.024414209	10.71
4/11/16	4:30	539	0.022	108	45	0.024414209	10.75
4/11/16	5:00	542	0.022	107	45	0.023684735	10.84
4/11/16	6:00	545	0.022	106	46	0.023504876	10.92
4/11/16	7:00	545	0.022	106	46	0.023504876	10.92
4/11/16	8:00	549	0.022	105	46	0.022797948	11.03
4/11/16	9:00	551	0.022	105	46	0.022797948	11.07
4/11/16	10:00	555	0.022	103	48	0.022407208	11.19
4/11/16	11:00	561	0.022	102	48	0.021726321	11.34

4/12/16	12:00	565	0.022	102	50	0.022664571	11.41
4/12/16	8:00	604	0.022	101	82	0.036869020	12.05
4/12/16	10:00	612	0.022	103	82	0.039281334	12.13
4/12/16	12:00	619	0.022	104	81	0.040015611	12.24
4/12/16	2:00	626	0.022	105	80	0.040752638	12.35
4/12/16	4:00	633	0.022	104	78	0.038441955	12.54
4/12/16	6:00	641	0.022	103	78	0.037250416	12.73
4/12/16	8:00	649	0.022	102	78	0.036093227	12.93
4/12/16	10:00	655	0.022	100	78	0.033878049	13.13
4/13/16	12:00	662	0.022	100	78	0.033878049	13.27
4/13/16	8:00	715	0.022	101	66	0.029335772	14.37
4/13/16	9:00	shut down					
Averages		567.09	0.022	105.33	55.48	0.027678435	11.33

Site: Carolina Country Convenience
UST Permit #: 02261

Calculations - Pollutant Mass Removal in pounds									
Marg. Elap. Time	Elapsed Time (min)	Flow (DSCFM) (Qstd)	PPM measured (ppm)	K (#C-gas)	PPMg	Cg:m (mg/dsm^3)	Cg (lb/dscf)	PMRg (lb/hr)	PMR (lb)
0	0								
30	30	10.38	689	1	689	3663.98	0.000228742	0.1424	0.0712
30	60	10.41	694	1	694	3690.57	0.000230402	0.1439	0.0720
30	90	10.37	699	1	699	3717.16	0.000232062	0.1444	0.0722
30	120	10.38	712	1	712	3786.29	0.000236378	0.1472	0.0736
30	150	10.42	714	1	714	3796.93	0.000237042	0.1482	0.0741
30	180	10.41	717	1	717	3812.88	0.000238038	0.1487	0.0744
30	210	10.37	720	1	720	3828.83	0.000239034	0.1488	0.0744
30	240	10.41	721	1	721	3834.15	0.000239366	0.1495	0.0747
30	270	10.42	727	1	727	3866.06	0.000241358	0.1509	0.0755
30	300	10.48	738	1	738	3924.55	0.000245010	0.1541	0.0770
30	330	10.54	742	1	742	3945.82	0.000246338	0.1558	0.0779
30	360	10.67	746	1	746	3967.10	0.000247666	0.1585	0.0793
30	390	10.65	758	1	758	4030.91	0.000251650	0.1608	0.0804
30	420	10.71	765	1	765	4068.13	0.000253974	0.1633	0.0816
30	450	10.75	769	1	769	4089.41	0.000255302	0.1647	0.0824
30	480	10.84	775	1	775	4121.31	0.000257294	0.1674	0.0837
60	540	10.92	773	1	773	4110.68	0.000256630	0.1682	0.1682
60	600	10.92	776	1	776	4126.63	0.000257626	0.1688	0.1688
60	660	11.03	775	1	775	4121.31	0.000257294	0.1703	0.1703
60	720	11.07	772	1	772	4105.36	0.000256298	0.1702	0.1702
60	780	11.19	776	1	776	4126.63	0.000257626	0.1730	0.1730
60	840	11.34	764	1	764	4062.82	0.000253642	0.1726	0.1726
60	900	11.41	735	1	735	3908.60	0.000244014	0.1671	0.1671

480	1380	12.05	496	1	496	2637.64	0.000164668	0.1190	0.9521
120	1500	12.13	471	1	471	2504.69	0.000156368	0.1138	0.2276
120	1620	12.24	462	1	462	2456.83	0.000153380	0.1126	0.2253
120	1740	12.35	445	1	445	2366.43	0.000147736	0.1094	0.2189
120	1860	12.54	432	1	432	2297.30	0.000143420	0.1079	0.2157
120	1980	12.73	412	1	412	2190.94	0.000136781	0.1045	0.2090
120	2100	12.93	397	1	397	2111.18	0.000131801	0.1023	0.2045
120	2220	13.13	395	1	395	2100.54	0.000131137	0.1033	0.2066
120	2340	13.27	392	1	392	2084.59	0.000130141	0.1036	0.2072
480	2820	14.37	374	1	374	1988.87	0.000124165	0.1071	0.8565
60	2880	shut down							
Averages		11.33	646.45	1.00	646.45	3437.73	0.000214618	0.1431	0.1799
							Total Emission in pounds:		5.9379

Pollutant Mass Removal Calculations

Qstd = (1-water vapor) * velocity * (PI * (diameter/24)^2) * (528degrees R/(Temp + 460)
PPMg = PPM measured * K
Cg:m = PPMg * (Mg/K3)
Cg = Cg:m * 62.43E-09 lb-m^3/mg-ft^3
PMRg = Cg * Qstd * 60 min/hr
PMR = PMRg * ((T2 –T1)/60)

Qstd = Flow at DSCFM
Vacuum = The level of vacuum being applied should be recorded from the vacuum truck tank (inches of Hg)
Velocity = rate at which air flow is measured at the blower discharging pipe (anemometer)
Cross Sectional Area = area in ft^2 of discharge stack
Relative Humidity = The % relative humidity of the air stream exiting from the blower discharge piping
Water Vapor in % = Pounds of water/ pound of dry air, derived from the psychrometric chart (temp vs relative humidity)
PPM = PPM measurements taken with an OVA/ PID at the blower discharge piping
K = Number of carbons in calibration gas: K=1
PPMg = PPMv, Volumetric concentration as gasoline emission, dry basis at STP
Cg:m =mg/dsm3, mass concentration of gasoline emission
Mg = 128 mg/mg-mole, molecular weight of gasoline
K3 = 24.07 dsm^3/1E6 mg-mole, mass to volume conversion factor at STP
Cg = lb/dcsf, mass concentration of gasoline emission, dry basis at STP
PMRg = lb/hr, pollutant mass removal rate of gasoline emission
PMR = pollutant mass removal of gasoline emission over time

APPENDIX C

LIQUID DISPOSAL MANIFEST

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address: CAROLINA COUNTRY CONVENIENCE
1908 HWY 601 N.
PAGELAND, SC

4. Generator's Phone ( )

5. Transporter 1 Company Name: HERR

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone: 910-640-2607

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: CWS
303 S. MAULTSBY ST.
WHITEVILLE, NC

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: 910-640-2608

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Reg. Petroleum Contact Water			1900	GAL
b.		20"	Custom Tank	
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: STEVE RIVENBARK

Signature: Steve Rivenbark

Date: Month 4 Day 13 Year 16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: DALE FOWLER

Signature: Dale Fowler

Date: Month 4 Day 15 Year 16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: T. ALAN COX

Signature: T. Alan Cox

Date: Month 4 Day 13 Year 16

NON-HAZARDOUS WASTE

F-14 © 2002 LABELMASTER® (800) 621-5808 www.labelmaster.com

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Rev. 3/95

APPENDIX D

Contractor Checklist

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	X		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			X
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?			X
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?			X
12	Has the primary soil type been described?	X		
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?	X		
17	Has the method of well development been detailed?	X		
18	Has justification been provided for the locations of the monitoring wells?	X		
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	X		
20	Has the groundwater sampling methodology been detailed?			X
21	Have the groundwater sampling dates and groundwater measurements been provided?			X
22	Has the purging methodology been detailed?			X
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			X
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			X
34	Has the current and historical laboratory data been provided in tabular format?			X
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			X
40	Has the site potentiometric map been provided? (Figure 5)			X
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			X
45	Is the laboratory performing the analyses properly certified?			X
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)	X		
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing or incomplete information.

D H E C

PROMOTE PROTECT PROSPER

Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

MR MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

JUN 0 1 2016

UST 28 DOCKETING

Re: **Site Specific Work Plan (SSWP) Request**
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit #02261
Release Reported September 30, 2008
Recovery Well Installation & AFVR Report received May 13, 2016
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (Agency) recognizes your commitment to continue work at this site using Geological Resources, Inc. as your contractor. The next appropriate scope of work at the site is a comprehensive groundwater sampling event.

The groundwater sampling event should be conducted in accordance with the current revision of the UST Quality Assurance Program Plan (QAPP) and must be conducted in compliance with all applicable regulations. Groundwater samples should be collected from all monitoring wells and water supply wells and analyzed for BTEX + Naphth + MtBE, 1,2-DCA, 8 oxygenates, and EDB. All wells should be purged prior to sampling. The groundwater sampling event must be conducted in accordance with the UST QAPP and in compliance with all applicable regulations once the SSWP is approved. The SSWP must be prepared using the format as outlined in the current revision of the UST QAPP, available on-line at https://www.scdhec.gov/environment/lw/ust/ReleaseAssessmentClean-up/QualityAssurance/.

Please have your contractor complete and submit the Site Specific Work Plan (SSWP) and Cost Proposal within thirty (30) days of the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that technical and financial preapproval from the Agency must be issued before work begins.**

On all correspondence concerning this site, please reference **UST Permit #02261.** If you have any questions concerning this project, please contact me at (803) 898-0607 or by email at thrasham@dhec.sc.gov.

Sincerely,

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management

cc: Geological Resources, Inc., 3502 Hayes Rd., Monroe, NC 28110
Technical File

UST
JUN 16 2016
PROGRAM

Geological Resources, Inc.

UST
DOCKETING

June 14, 2015

Ms. Ashleigh Thrash
South Carolina Department of Health
And Environmental Control
Underground Storage Tank Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Re: GRI Proposal No. 16-425
Site Specific Work Plan
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
UST Permit No. 02261
GRI Project No. 3289

Dear Ms. Thrash:

Attached is a Site Specific Work Plan for approved ACQAP and the associated Assessment Component Cost Agreement for the above referenced site in Pageland, Chesterfield County, South Carolina.

Please contact me at (704) 845-4010 or by e-mail at wsb@geologicalresourcesinc.com if you have questions or comments concerning this matter.

Sincerely,

W. Scott Ball
Senior Project Manager

Enclosures

cc: file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

D H E C
PROMOTE PROTECT PROSPER

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

To: Ashleigh Thrash (SCDHEC Project Manager)
From: Scott Ball (Contractor Project Manager)
Contractor: Geological Resources, Inc. UST Contractor Certification Number: 74

Facility Name: Carolina Country Convenience UST Permit #: 02261
Facility Address: 1908 Highway 601 North, Pageland
Responsible Party: Mr. Michael Wallace Phone: (843) 672-5527
RP Address: 1908 Highway 601 North, Pageland, SC 29728-8292
Property Owner (if different): Wilson, Inc.
Property Owner Address: Post Office Box 1839 Pageland, SC 29721
Current Use of Property: Commercial

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☑ Groundwater Sampling ☐ GAC
☐ Tier I ☐ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☑ BTEXNMDCA (8260B) ☐ Lead ☐ BOD ☐ Methane
☑ Oxygenates (8260B) ☐ 8 RCRA Metals ☐ Nitrate ☐ Ethanol
☑ EDB (8011) ☐ TPH ☐ Sulfate ☐ Dissolved Iron
☐ PAH (8270D) ☐ pH ☐ Other _____

Soil:

☐ BTEXN ☐ 8 RCRA Metals ☐ TPH-DRO (3550B/8015B) ☐ Grain Size
☐ PAH ☐ Oil & Grease (9071) ☐ TPH-GRO (5030B/8015B) ☐ TOC

Air:

☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

_____ Soil 1 Water Supply Wells _____ Air 1 Field Blank
21 Monitoring Wells _____ Surface Water 2 Duplicate 1 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

# of shallow points proposed: NA Estimated Footage: _____ feet per point
# of deep points proposed: _____ Estimated Footage: _____ feet per point
Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: NA Estimated Footage: _____ feet per point
# of deep wells: _____ Estimated Footage: _____ feet per point
# of recovery wells: _____ Estimated Footage: _____ feet per point
Monitoring Well development method (consistent with SOP): _____
Comments, if warranted:

_____
_____
_____

UST Permit #: 02261 Facility Name: Carolina Country Convenience

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 10 days from approval Field Work Completion: 13 days from approval
Report Submittal: 45 days from approval # of Copies Provided to Property Owners: 1

Aquifer Characterization
Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: _____ Tons Purge Water: 250 Gallons
Drilling Fluids: _____ Gallons Free-Phase Product: _____ Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
Sample MW-1 through MW-14, TW-1 through TW-6 and RW-1 located at the subject site and on adjoining/adjacent properties. Two samples will be duplicated. One field blank will be collected. A trip blank will be submitted with the samples. All ground water samples will be analyzed for BTEX, naphthalene, MTBE, 1,2-DCA and 8 oxygenates by Method 8260 and EDB by Method 8011.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

NA Well Driller as indicated in ACQAO? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

NA Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

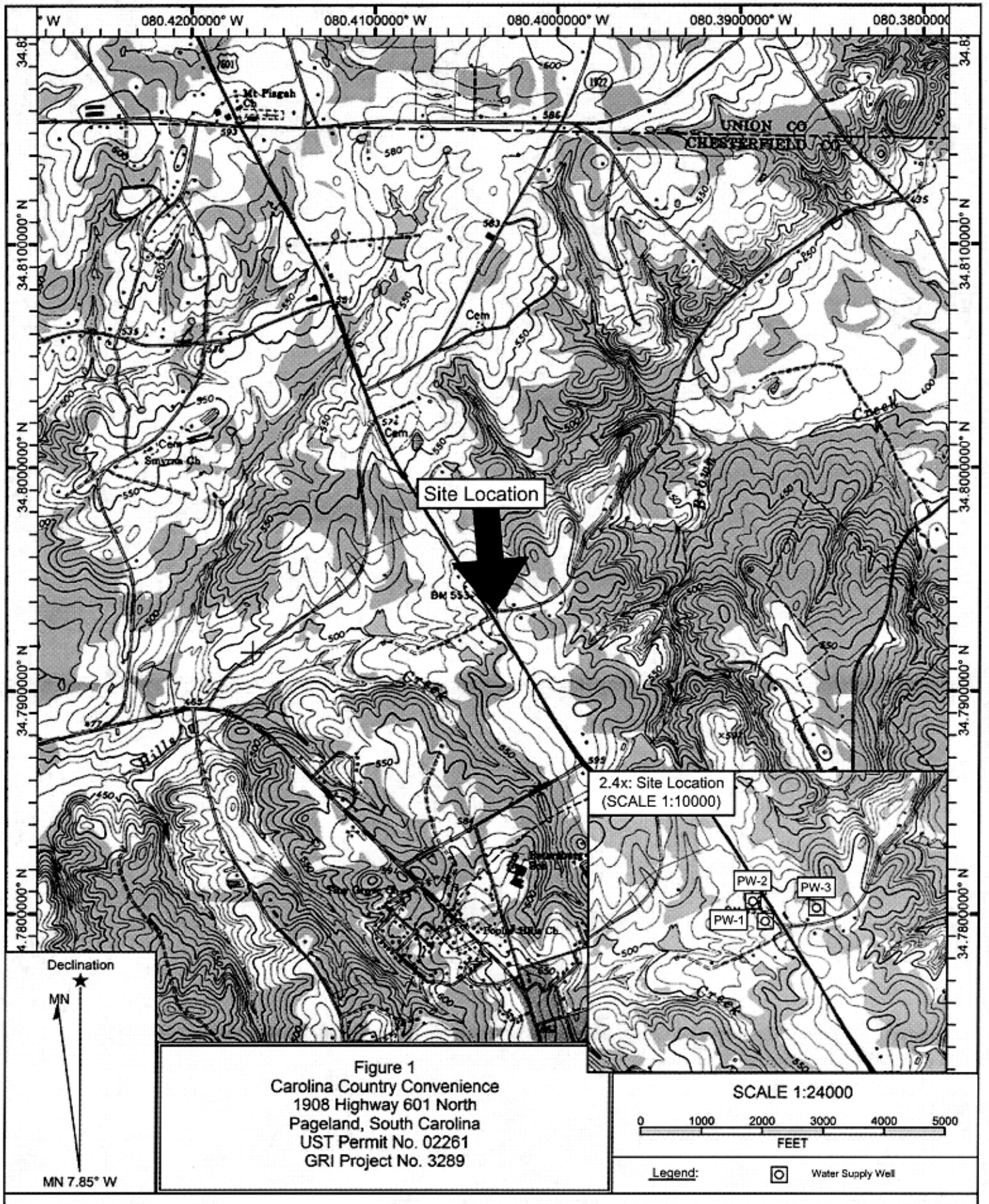


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

Name: Topographic Map
Date: 04/19/16
Scale: 1 inch = 2,000 ft.

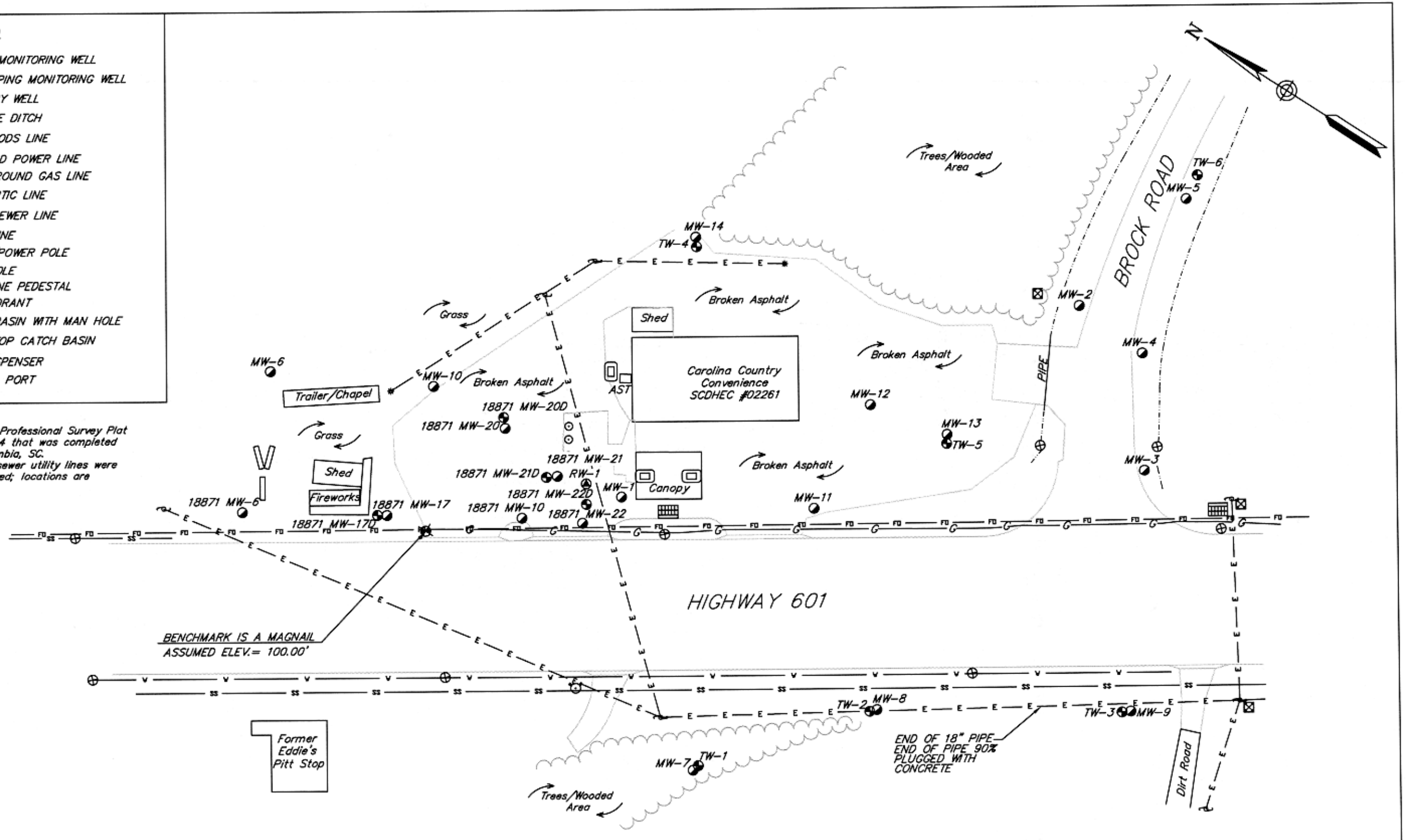
Map Center Location: 034.7940878° N 080.4035483° W

Generated by Geological Resources, Inc.

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

Carolina Country Convenience UST Permit No. 02261 GRI Project No. 3289	1908 Highway 601 North Pageland, Chesterfield County, SC
Date: 04/19/16	Drawn by: ECH
Figure: 2	

D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

ASSESSMENT COMPONENT INVOICE

SOUTH CAROLINA

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

May 15, 2014

Facility Name: Carolina Country Convenience

UST Permit #: 02261 **Cost Agreement #:** _____ GRI Proposal 16-425

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. **Plan Preparation**				
A1. Site-specific Work Plan	1	each	$150.00	$150.00
B1. Tax Map		each	$70.00	$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00	$0.00
2. A1. **Receptor Survey ***		each	$551.00	$0.00
3. **Survey (500 ft x 500 ft)**				
A1. Comprehensive Survey		each	$1,040.00	$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	$1,300.00	$0.00
2B. > 10 meters below grade		each	$2,310.00	$0.00
C1. Geophysical UST or Drum Survey		each	$910.00	$0.00
4. **Mob/Demob**				
A1. Equipment		each	$1,020.00	$0.00
B1. Personnel	2	each	$423.00	$846.00
C1. Adverse Terrain Vehicle		each	$500.00	$0.00
5. A1. **Soil Borings (hand auger)***		foot	$5.00	$0.00
6. **Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)***				
AA. Standard		per foot	$15.00	$0.00
C1. Fractured Rock		per foot	$20.20	$0.00
7. A1. **Soil Leachability Model**		each	$60.00	$0.00
8. **Abandonment (per foot)***				
A1. 2" diameter or less		per foot	$3.10	$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50	$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00	$0.00
9. **Well Installation (per foot)***				
A1. Water Table (hand augered)		per foot	$10.60	$0.00
B1. Water Table (drill rig)		per foot	$38.00	$0.00
CC. Telescoping		per foot	$50.00	$0.00
DD. Rock Drilling		per foot	$58.00	$0.00
E1. 2" Rock Coring		per foot	$30.90	$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40	$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00	$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00	$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00	$0.00
K. Re-develop Existing Well		per foot	$11.00	$0.00
10. **Groundwater Sample Collection / Gauge Depth to Water or Product ***				
A1. Groundwater Purge	21	per well/receptor	$60.00	$1,260.00
B1. Air or Vapors		per receptor	$12.00	$0.00
C1. Water Supply	1	per well/receptor	$22.00	$22.00
D1. Groundwater (No Purge or Duplicate	2	per well/receptor	$28.00	$56.00
E1. Gauge Well only		per well	$7.00	$0.00
F1. Sample Below Product		per well	$12.00	$0.00
G1. Passive Diffusion Bag		each	$26.00	$0.00
H1. Field Blank	1	each	$24.60	$24.60

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(82	26	per sample	$122.00		$3,172.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011	25	per sample	$45.20		$1,130.00
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. Analyses-Soil					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. Analyses-Air					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. Analyses-Free Phase Product					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. Aquifer Characterization					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. **Free Product Recovery Rate Test***		each	$38.00		$0.00
14. Fate/Transport Modeling					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. Risk Evaluation					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. **Subsequent Survey***		each	$260.00		$0.00
17. Disposal (gallons or tons)*					
AA. Wastewater	250	gallon	$0.56		$140.00
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal		ton	$60.00		$0.00
D1. Drilling fluids		gallon	$0.42		$0.00
18. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. Tier I Assessment (Use DHEC 3665 form)		standard			$0.00
21. IGWA (Use DHEC 3666 form)		standard			$0.00
22. Corrective Action (Use DHEC 3667 form)		PFP Bid			$0.00

23. **Aggressive Fluid & Vapor Recovery (AFVR)**					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. **Granulated Activated Carbon (GAC) filter system installation & service:**					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. **Well Repair**					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
I1. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Coordination	12%	percent	$6,800.60		$816.07
TOTAL					$7,616.67

*The appropriate mobilization cost can be added to complete these tasks, as necessary. DHEC

D H E C
PROMOTE PROTECT PROSPER
Catherine E. Heigel, Director
Promoting and protecting the health of the public and the environment

MR MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

JUL 07 2016

Re: **Groundwater Sampling Directive**
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit #02261; CA #52853
Release #2 Reported October 11, 2012
Site Specific Work Plan Received June 16, 2016
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division (Division) of the South Carolina Department of Health and Environmental Control (Agency) has reviewed the referenced Site Specific Work Plan submitted on your behalf by Geological Resources, Inc. This scope of work will include comprehensive groundwater sampling to evaluate current site conditions. All work should be conducted in accordance with the current revision of the UST Quality Assurance Program Plan (QAPP) and must be conducted in compliance with all applicable regulations. A copy of the current revision of the Agency's QAPP for the UST Management Division is available at https://www.scdhec.gov/environment/lw/ust/ReleaseAssessmentClean-up/QualityAssurance/.

Activities at the site should begin immediately upon receipt of this letter. **Cost agreement #52853** has been approved for the amount shown on the enclosed cost agreement form for a comprehensive groundwater sampling event. Groundwater samples will be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, 8 Oxygenates and EDB. All wells should be purged prior to sampling. Sampling and analyses should be conducted in accordance with Appendix F of the QAPP, Rev. 3.0, and to include duplicate samples, field and trip blanks.

The Monitoring Report and invoice are due within 60 days from the date of this letter. The report submitted at the completion of these activities should include the required information outlined in the QAPP. Please note that all applicable South Carolina certification requirements apply to the services and report preparation. All site rehabilitation activities must be performed and submitted by a South Carolina Certified Underground Storage Tank Site Rehabilitation Contractor.

Geological Resources, Inc. can submit an invoice for direct payment from State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. Please note that applicable South Carolina certification requirements regarding the services and report preparation must be satisfied. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Agency is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Agency for the cost to be paid. The Agency reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the Agency reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note; if unnecessary dilutions are completed resulting in reporting limits of individual Chemicals of Concern in excess of Risk-Based Screening Levels (RBSLs), the data cannot be used. In those cases, the Division may deny payment for any non-detect analysis where the reporting limit exceeds the RBSL. The UST Management Division encourages the use of 'J' values as necessary so the appropriate action can be determined for a release.

The Agency grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. The transport and disposal must be conducted in accordance with the QAPP. If the CoC concentrations based on laboratory analysis are below RBSLs, please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference **UST Permit #02261** and **CA #52853**. If you have any questions regarding this correspondence, please contact me by telephone at (803) 898-0607 or by e-mail at thrasham@dhec.sc.gov.

Sincerely,

Ashleigh Thrash

Ashleigh Thrash, Hydrogeologist
Corrective Action Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Geological Resources, Inc., 3502 Hayes Rd., Monroe, NC 28110 (w/ enc)
Technical File (w/ enc)

Approved Cost Agreement 52853

Facility 02261 CAROLINA COUNTRY CONVENIENCE
THRASHAM
PO Number

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
01 PLAN					
		A1 SITE SPECIFIC WORK PLAN	1 0000	$150 000	150.00
04 MOB/DEMOB					
		B1 PERSONNEL	2 0000	$423.000	846 00
10 SAMPLE COLLECTION					
		A1 GROUNDWATER (PURGE)	21 0000	$60 000	1,260 00
		C1 WATER SUPPLY	1 0000	$22 000	22 00
		D1 GROUNDWATER NO PURGE/DUPLICATE	2 0000	$28 000	56 00
		H1 FIELD BLANK	1 0000	$24 600	24 60
11 ANALYSES					
	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	26 0000	$122 000	3,172 00
		F1 EDB BY 8011	25 0000	$45.200	1,130.00
17 DISPOSAL					
		AA WASTEWATER	250 0000	$0.560	140 00
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0 1200	$6,800.600	816 07
			Total Amount		7,616 67

Geological Resources, Inc.

UST
SEP 0 1 2016
PROGRAM

UST
31
DOCKETING

August 29, 2016

Ms. Ashleigh Thrash
SCDHEC
UST Management Division
Bureau of Land & Waste Management
2600 Bull Street
Columbia, SC 29201

Re: Ground Water Monitoring Report
July 2016
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County, SC
UST Permit Number: 02261
GRI Project No: 3289

Dear Ms. Thrash,

Please find enclosed the referenced report for the above mentioned site. If you have any questions, please do not hesitate to contact Scott Ball at (704) 845-4010.

Sincerely,
Geological Resources, Inc.

J Donnelly

Jackie Donnelly
Project Coordinator

Enclosure

cc: Mr. Michael Wallace, Carolina Country, LLC
file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

GROUND WATER MONITORING REPORT
JULY 2016
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, SOUTH CAROLINA
CHESTERFIELD COUNTY
UST PERMIT #02261
GRI PROJECT NO. 3289

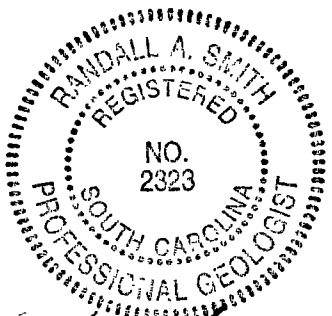
Prepared for:

Michael Wallace
Carolina Country LLC
1908 Highway 601 North
Pageland, South Carolina 29728

Prepared by:

Geological Resources, Inc.
3502 Hayes Road
Monroe, North Carolina 28110
Class 1 UST Site Rehabilitation Contractor # 74

August 29, 2016



Joanna Alley
Project Manager

Randy A. Smith, P.G.
License Number 2323

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3.0 GROUND WATER QUALITY 2

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6.0 LIMITATIONS 4

FIGURES

Figure 1: Site Location Map
Figure 2: Site Vicinity Map
Figure 3: Site Map
Figure 4: Potentiometric Surface Map – Type III Monitoring Wells
Figure 5: Potentiometric Surface Map – Telescoping Wells
Figure 6: Ground Water Quality Map – Type III Wells (07/26/16)
Figure 7: Ground Water Quality Map – Telescoping Wells (07/26/16)

TABLES

Table 1: Summary of Ground Water Elevation Data
Table 2: Summary of Ground Water Analytical Results – Chemicals of Concern
Table 3: Summary of Ground Water Analytical Results – Oxygenates

APPENDICES

Appendix A: Laboratory Analytical Report – Ground Water Samples
Appendix B: Field Data Information Sheets
Appendix C: Disposal Manifest
Appendix D: Contractor Checklist

1.0 INTRODUCTION

This report presents the results of the ground water sampling activities conducted in July 2016 at the Carolina Country Convenience site located at 1908 Highway 601 North, Pageland, Chesterfield County, South Carolina (**Figure 1** and **Figure 2**). The activities were conducted in accordance with the "Groundwater Sampling Directive" dated July 7, 2016, from the South Carolina Department of Health and Environmental Control (SCDHEC). The purpose of the activities was to obtain current ground water quality data for the site. The site is currently operating as convenience store/petroleum retail facility/used auto sales called Carolina Country Convenience. The area surrounding the site is mixed use to include residential, agricultural and limited business. Three gasoline underground storage tanks (USTs) and associated piping and dispensers are currently in operation at the site.

A release (#1) from the UST system was reported at the site on September 30, 2008 and closed with a notice of No Further Action on November 6, 2008. A second release was reported at the site on October 11, 2012. An Initial Ground Water Assessment (IGWA) report documenting site assessment activities was submitted to the SCDHEC in October 2013. Based on the IGWA report, both soil and ground water samples exhibited levels of chemicals of concern (COCs) above the Risk Based Screening Levels (RBSLs). Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were installed during previous assessment activities conducted at the site. The last comprehensive ground water sampling event was conducted at the site in November 2015. Three water supply wells were identified within 1,000 feet of the source area during a receptor survey conducted in November 2014 as part of the Tier II assessment. Municipal water is provided to all properties in the area. The former Eddies Pitt Stop facility (UST Permit # 18871) is located across Highway 601 on the adjacent property to the west of the subject site. A release was reported for this facility in August 2002. The release is currently being monitored by the SCDHEC. This report summarizes the July 2016 ground water monitoring activities for the Carolina Country Convenience site.

2.0 FACILITY INFORMATION

- **Facility Name:** Carolina Country Convenience
- **Location:** 1908 Highway 601 North
Pageland, Chesterfield County, SC 29728
- **UST Permit No.** 02261

- **Land Use:** Commercial
- **Property Owner:** Wilson, Inc.
  Post Office Box 1839
  Lancaster, SC 29721
  (803) 283-8468
- **UST Owner/Operator:** Carolina Country Convenience
  1908 Highway 601 N.
  Pageland, SC 29728
  (843) 672-5527
- **Site Rehabilitation Contractor:** Geological Resources, Inc.
  3502 Hayes Road
  Monroe, North Carolina 28110
  (704) 845-4010
  Class 1, Certification Number 74
- **Laboratory:** Accutest Laboratories - Southeast
  4405 Vineland Road, Suite C-15
  Orlando, FL 32811
  (407) 425-6700
  State Certification Number: 96038001

Release Information:

- **Date Discovered:** October 11, 2012
- **Estimated Amount of Release:** Unknown
- **Source of Release:** Leaking UST System
- **UST Size/Contents:** One 10,000-gallon gasoline UST, and two 6,000-gallon gasoline USTs, associated piping, and dispensers
- **Latitude:** 34.7940878° North **Longitude:** 80.4035483° West

3.0 GROUND WATER QUALITY

Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were gauged, purged and sampled on July 26, 2016. Water supply well PW-3 was also sampled on July 26, 2016. The depths to ground water in the Type III monitoring wells during the July 2016 gauging event ranged from 16.69 to 30.63 feet below the top of casings. Ground water elevations in the Type III monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from 76.57 to 84.31 feet. Based on this data, the general direction of shallow ground water flow was toward the south. The average horizontal hydraulic gradient was approximately 0.02 feet/foot between monitoring wells MW-6 and MW-12. The depths to ground water in the telescoping monitoring wells during the July 2016 gauging event ranged from 20.21 to 33.65 feet below the top of casings. Ground water elevations in the telescoping monitoring wells relative to a temporary benchmark with an

assumed datum of 100.00 feet ranged from 76.39 to 78.88 feet. Based on this data, the general direction of ground water flow in the telescoping wells was generally divergent from a high point at TW-5. The vertical hydraulic gradients calculated for paired Type III wells and telescoping wells ranged from 0.032 feet per foot downward for MW-8/TW-2 to 0.044 feet per foot upward for MW-13/TW-5. In general, the vertical gradient was downward across the site with the exception of paired wells MW-13/TW-5. A Site Vicinity Map showing the location of water supply well PW-3 has been included as **Figure 2**. A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 3**. A Potentiometric Surface Map based on the July 26, 2016 data for the Type III monitoring wells has been included as **Figure 4**. A Potentiometric Surface Map based on the July 26, 2016 data for the telescoping wells has been included as **Figure 5.** Summaries of ground water elevation data for the July 26, 2016 gauging event are presented in **Table 1**.

Laboratory analyses were performed on the ground water samples collected from the monitoring wells during the July 2016 sampling event for BTEX, MTBE, 1,2-DCA, naphthalene and eight (8) oxygenates using EPA Method 8260 and EDB using EPA Method 8011. Concentrations of one or more BTEX constituents, MTBE, naphthalene, 1,2-DCA and/or EDB that exceeded the risk based screening levels (RBSLs) were reported in the ground water samples collected from MW-1, MW-1 DUP B, MW-11 through MW-14, MW-14 DUP A and TW-4. Concentrations of oxygenates that exceeded the action levels were reported in the ground water samples collected from MW-1, MW-1 DUP B, MW-11 through MW-14, MW-14 DUP A, TW-4 and TW-5. No detectable concentrations of requested method constituents were reported for the sample collected from water supply well PW-3. Ground Water Quality Maps based on data from the July 2016 sampling event have been included as **Figures 6** and **7**. Summaries of ground water sample analytical results are presented in **Tables 2** and **3**. A complete laboratory analytical report is attached as **Appendix A**. Field data information sheets have been included as **Appendix B**. A disposal manifest for purge water generated during the sampling activities has been included as **Appendix C**.

4.0 QA/QC

Monitoring well gauging, purging and sampling were conducted in general accordance with the SCDHEC Programmatic QAPP and the approved site specific Contractor Addendum. All wells were sampled with dedicated disposable bailers. All field measurement equipment was properly decontaminated between sampling locations. Duplicate samples from monitoring wells MW-1 and MW-14 and a field blank were collected during the sampling activities. A laboratory supplied trip blank was included in the sample

cooler. Laboratory results for MW-1 and MW-1 duplicate, and MW-14 and MW-14 duplicate showed the same compounds at similar concentrations. No detectable concentrations of requested method constituents were reported in the field blank or trip blank. All applicable items on the Contractor Checklist were reviewed and verified. A copy of the Contractor Checklist is included as **Appendix D**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

- Fourteen Type III monitoring wells and six telescoping wells were gauged, purged and sampled on July 26, 2016. Water supply well PW-3 was also sampled on July 26, 2016.
- No measurable amount of free product was detected in any of the monitoring wells or telescoping wells at the site.
- Concentrations of one or more BTEX constituents, MTBE, naphthalene, 1,2-DCA and/or EDB that exceeded the RBSLs were reported in the ground water samples collected from MW-1, MW-1 DUP B, MW-11 through MW-14, MW-14 DUP A and TW-4. Concentrations of TAA and/or TBA that exceeded the action levels were reported in the ground water samples collected from MW-1, MW-1 DUP B, MW-11 through MW-14, MW-14 DUP A, TW-4 and TW-5.
- GRI makes the following recommendations:
    - Ground water sampling at the site should continue as directed by the SCDHEC.

6.0 LIMITATIONS

This report has been prepared for the exclusive use of Mr. Michael Wallace, the owner and operator of the Carolina Country Convenience facility and the SCDHEC for specific application to the referenced site in Chesterfield County, South Carolina. The activities were conducted based on the scope of work and level of effort specified by the SCDHEC and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of geology and hydrogeology practices in the State of South Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data. Please note that certain information contained in this report was not obtained under the direct supervision of GRI personnel. Therefore, GRI

cannot verify the accuracy of this information. However, for the purpose of this report, GRI assumes the information is correct.

FIGURES

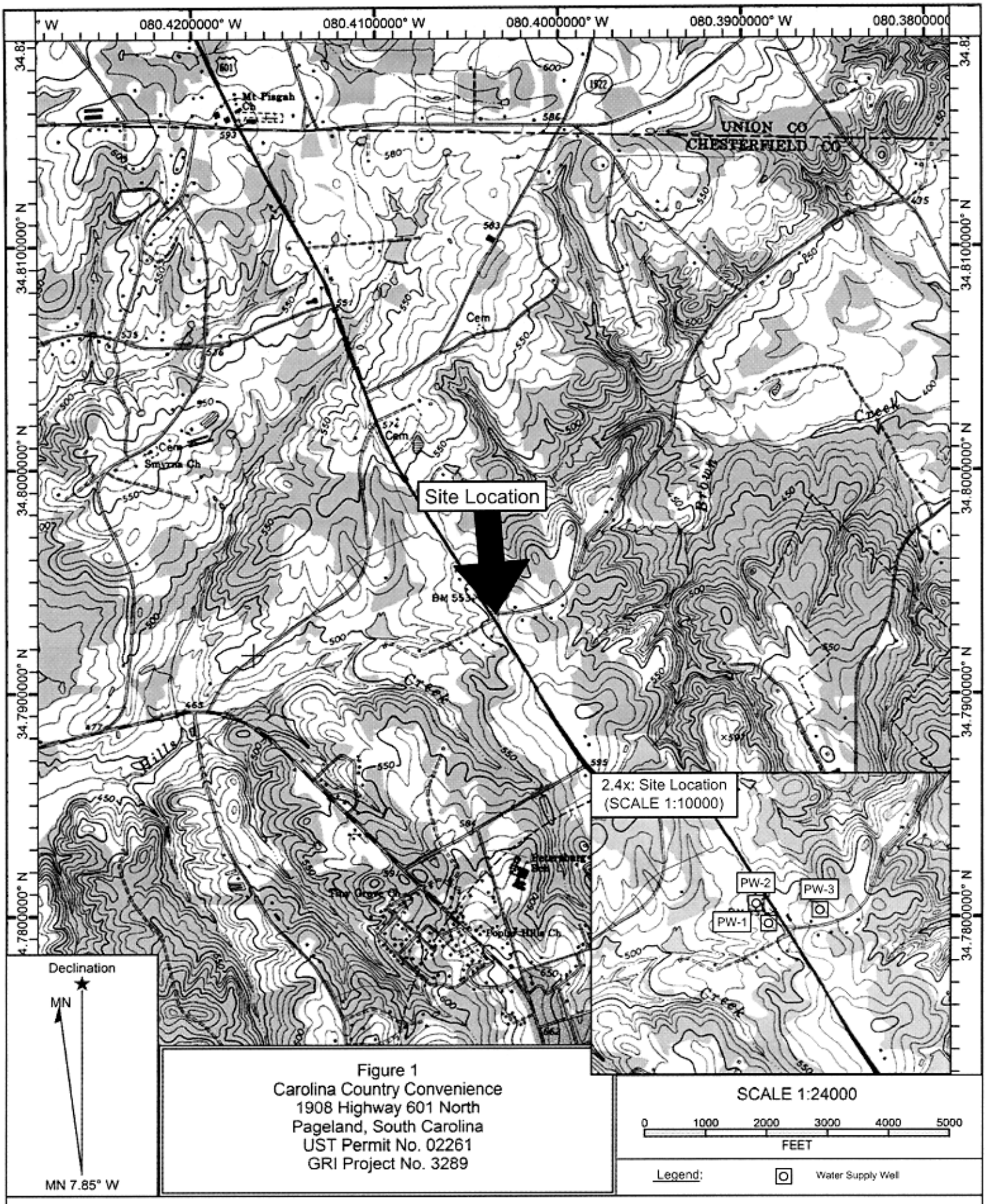


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

Name: Topographic Map
Date: 04/19/16
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7940878° N 080.4035483° W

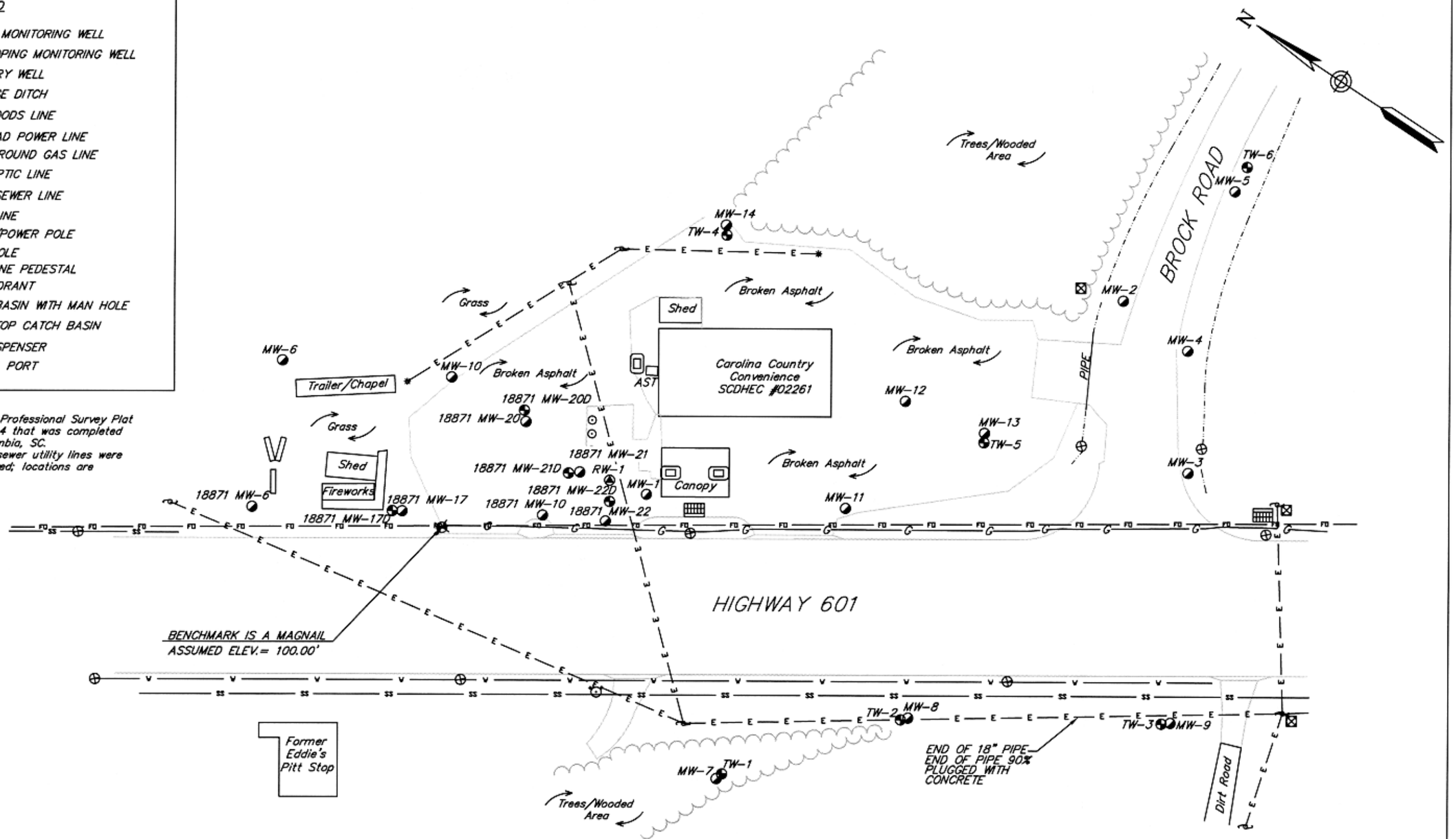
Generated by Geological Resources, Inc.

N
LEGEND
Water Supply Well
030-000-000-005 Parcel ID Number
Outline of Pond
PW-2
PW-1
030-000-000-003
030-000-000-004
030-000-000-005
030-000-000-007
PW-3
SITE
030-000-000-006
BROCK ROAD
HIGHWAY 601 NORTH
019-000-000-038
030-000-000-008
030-000-000-012
1,000-FT RADIUS
POND
POND
0 100 200 400
Feet
SCALE: 1 INCH = 200 FEET
FIGURE 2
SITE VICINITY MAP
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, CHESTERFIELD COUNTY
SOUTH CAOLINA
UST PERMIT NO. 02261
GRI PROJECT NO. 3289
PREPARED BY:
GEOLOGICAL RESOURCES INC.
AUGUST 5, 2016
Geological Resources, Inc.
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

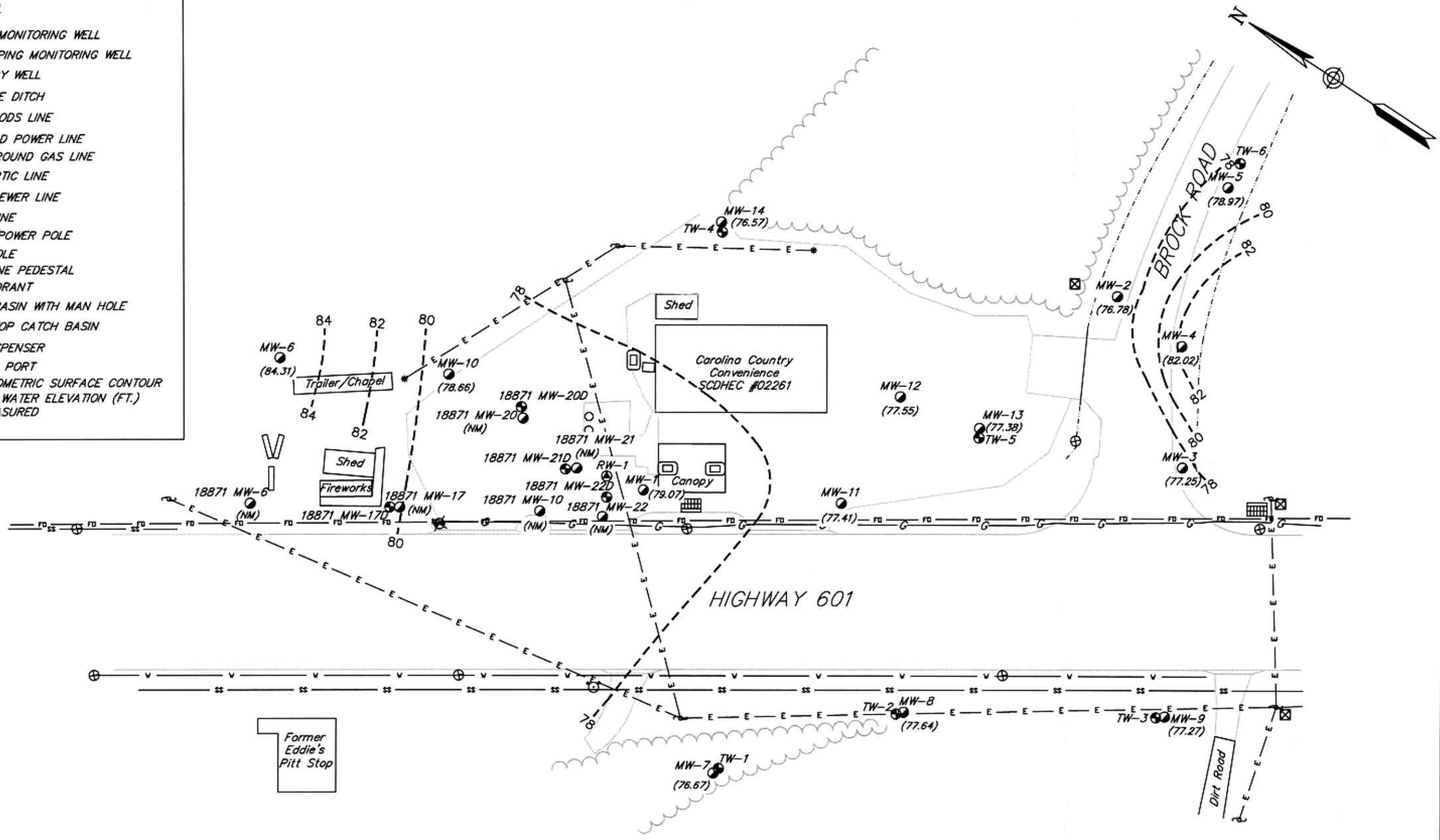
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	08/05/16	Drawn by:	ECH	Figure:	3

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- E — E — OVERHEAD POWER LINE
- G — UNDERGROUND GAS LINE
- FD — FIBER OPTIC LINE
- SS — STORM SEWER LINE
- W — WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 80 — POTENTIOMETRIC SURFACE CONTOUR
- (79.07) GROUND WATER ELEVATION (FT.)
- (NM) NOT MEASURED



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

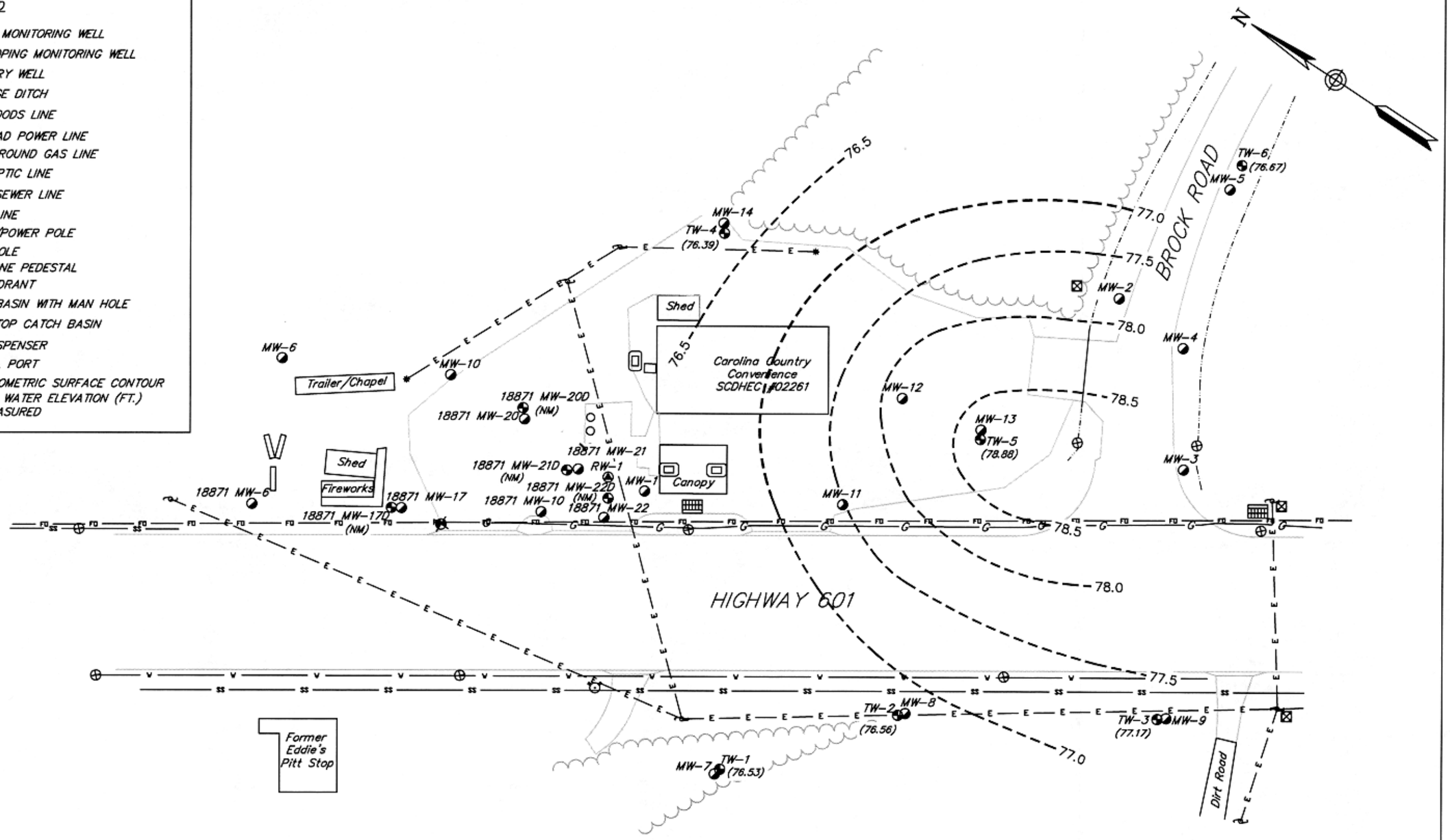
POTENTIOMETRIC SURFACE MAP – TYPE III WELLS (07/26/16)

Carolina Country Convenience UST Permit No. 02261 GRI Project No. 3289	1908 Highway 601 North Pageland, Chesterfield County, SC

Date:	08/26/16	Drawn by:	ECH	Figure:	4

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 77 — POTENTIOMETRIC SURFACE CONTOUR
- (76.53) — GROUND WATER ELEVATION (FT.)
- (NM) — NOT MEASURED



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

POTENTIOMETRIC SURFACE MAP – TELESCOPING WELLS (07/26/16)

Carolina Country Convenience UST Permit No. 02261 GRI Project No. 3289	1908 Highway 601 North Pageland, Chesterfield County, SC

Date:	08/08/16	Drawn by:	ECH	Figure:	5

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- E — E — OVERHEAD POWER LINE
- G — UNDERGROUND GAS LINE
- FO — FIBER OPTIC LINE
- SS — STORM SEWER LINE
- W — WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

15,800	BENZENE
6,970	TOLUENE
1,080	ETHYLBENZENE
5,440	XYLENES
1,980	MTBE
122 J	NAPHTHALENE
625	1,2-DCA
121	EDB

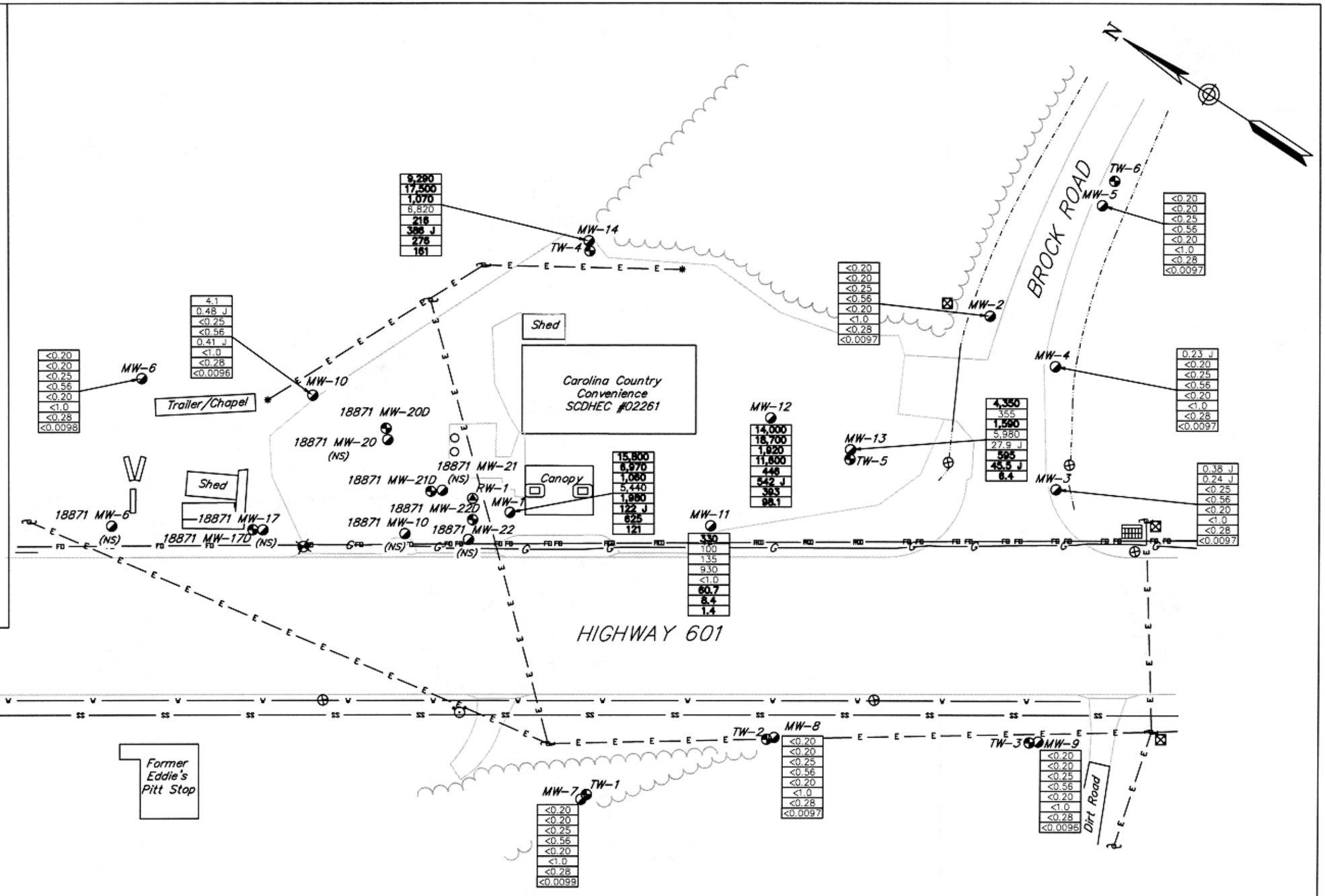
CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

(NS) NOT SAMPLED

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE RBSL



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP – TYPE III WELLS (07/26/16)

Carolina Country Convenience UST Permit No. 02261 GRI Project No. 3289	1908 Highway 601 North Pageland, Chesterfield County, SC
Date: 08/26/16	Drawn by: ECH
Figure: 6	

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

<0.20	BENZENE
<0.20	TOLUENE
<0.25	ETHYLBENZENE
<0.56	XYLENES
<0.20	MTBE
<1.0	NAPHTHALENE
<0.28	1,2-DCA
<0.0095	EDB

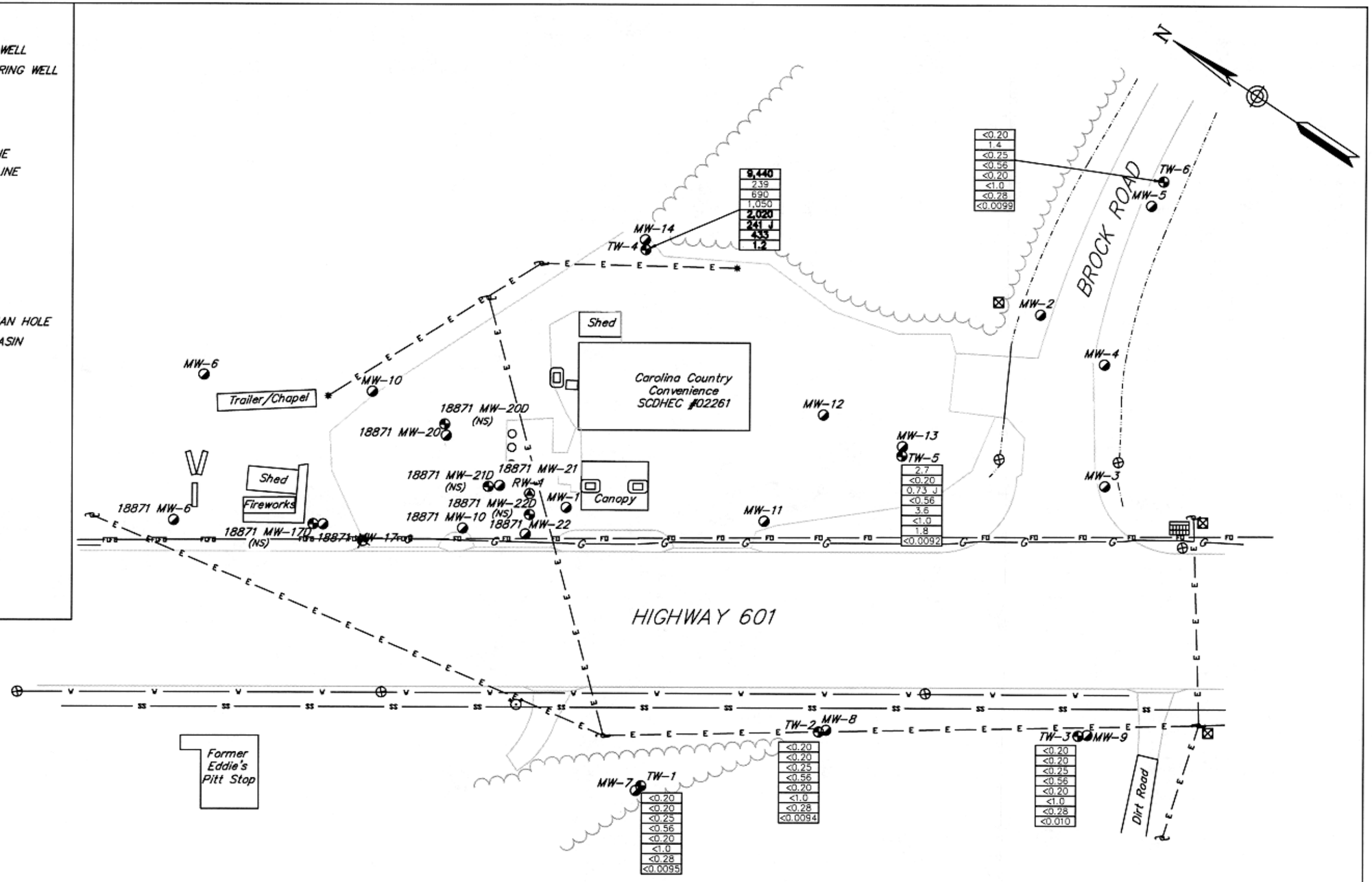
CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

(NS) NOT SAMPLED

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE RBSL



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP – TELESCOPING WELLS (07/26/16)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date: 08/15/16 | Drawn by: ECH | Figure: 7

TABLES

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-1	08/09/13	NM	---	12.39	---	---	35	25-35	
	11/18/14	101.09	---	23.88	---	77.21			
	04/27/15		---	10.91	---	90.18			
	11/23/15		---	13.75	---	87.34			
	07/26/16		---	22.02	---	79.07			
02261 MW-2	11/18/14	105.45	---	29.17	---	76.28	42	37-42	
	04/27/15		---	14.88	---	90.57			
	11/23/15		---	20.00	---	85.45			
	07/26/16		---	28.67	---	76.78			
02261 MW-3	11/18/14	102.34	---	25.80	---	76.54	42	37-42	
	04/27/15		---	11.45	---	90.89			
	11/23/15		---	16.54	---	85.80			
	07/26/16		---	25.09	---	77.25			
02261 MW-4	11/18/14	103.89	---	27.43	---	76.46	42	37-42	
	04/27/15		---	13.93	---	89.96			
	11/23/15		---	19.00	---	84.89			
	07/26/16		---	21.87	---	82.02			
02261 MW-5	11/18/14	109.60	---	33.30	---	76.30	42	37-42	
	04/27/15		---	20.20	---	89.40			
	11/23/15		---	24.49	---	85.11			
	07/26/16		---	30.63	---	78.97			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-6	11/18/14	101.00	---	20.86	---	80.14	35	30-35	
	04/27/15		---	8.43	---	92.57			
	11/23/15		---	5.87	---	95.13			
	07/26/16		---	16.69	---	84.31			
02261 MW-7	11/18/14	96.55	---	20.60	---	75.95	30	25-30	
	04/27/15		---	7.17	---	89.38			
	11/23/15		---	9.68	---	86.87			
	07/26/16		---	19.88	---	76.67			
02261 MW-8	11/18/14	97.79	---	20.75	---	77.04	30	25-30	
	04/27/15		---	7.79	---	90.00			
	11/23/15		---	9.02	---	88.77			
	07/26/16		---	20.15	---	77.64			
02261 MW-9	11/18/14	101.45	---	25.04	---	76.41	30	25-30	
	04/27/15		---	11.09	---	90.36			
	11/23/15		---	15.43	---	86.02			
	07/26/16		---	24.18	---	77.27			
02261 MW-10	11/18/14	102.08	---	24.02	---	78.06	35	30-35	
	04/27/15		---	12.66	---	89.42			
	11/23/15		---	11.30	---	90.78			
	07/26/16		---	23.42	---	78.66			
02261 MW-11	11/18/14	101.41	---	24.63	---	76.78	35	30-35	
	04/27/15		---	13.60	---	87.81			
	11/23/15		---	17.33	---	84.08			
	07/26/16		---	24.00	---	77.41			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-12	11/18/14	103.43	---	26.88	---	76.55	35	30-35	
	04/27/15		---	13.12	---	90.31			
	11/23/15		---	18.67	---	84.76			
	07/26/16		---	25.88	---	77.55			
02261 MW-13	11/18/14	102.12	---	25.53	---	76.59	35	30-35	
	04/27/15		---	11.52	---	90.60			
	11/23/15		---	17.26	---	84.86			
	07/26/16		---	24.74	---	77.38			
02261 MW-14	11/18/14	104.11	---	27.80	---	76.31	35	30-35	
	04/27/15		---	15.93	---	88.18			
	11/23/15		---	19.39	---	84.72			
	07/26/16		---	27.54	---	76.57			
02261 TW-1	11/18/14	96.74	---	20.91	---	75.83	56	51-56	
	04/27/15		---	7.80	---	88.94			
	11/23/15		---	10.62	---	86.12			
	07/26/16		---	20.21	---	76.53			
02261 TW-2	11/18/14	97.63	---	21.72	---	75.91	56	51-56	
	04/27/15		---	8.12	---	89.51			
	11/23/15		---	12.27	---	85.36			
	07/26/16		---	21.07	---	76.56			
02261 TW-3	11/18/14	101.30	---	25.01	---	76.29	56	51-56	
	04/27/15		---	10.90	---	90.40			
	11/23/15		---	15.43	---	85.87			
	07/26/16		---	24.13	---	77.17			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 TW-4	11/18/14	104.00	---	27.44	---	76.56	61	56-61	
	04/27/15		---	14.17	---	89.83			
	11/23/15		---	16.99	---	87.01			
	07/26/16		---	27.61	---	76.39			
02261 TW-5	11/18/14	102.09	---	25.47	---	76.62	61	56-61	
	04/27/15		---	11.94	---	90.15			
	11/23/15		---	16.41	---	85.68			
	07/26/16		---	23.21	---	78.88			
02261 TW-6	04/27/15	110.32	---	19.17	---	91.15	68	63-68	
	11/23/15		---	25.04	---	85.28			
	07/26/16		---	33.65	---	76.67			
18871 MW-10	11/18/14	100.03	---	19.70	---	80.33	35	25-35	
	11/23/15		---	17.66	---	82.37			
18871 MW-20	11/18/14	101.77	---	23.18	---	78.59	35	25-35	
	11/23/15		---	19.66	---	82.11			
18871 MW-20D	11/18/14	101.93	---	27.53	---	74.40	60	55-60	
	11/23/15		---	13.23	---	88.70			
18871 MW-21	11/18/14	101.00	---	21.56	---	79.44	35	25-35	
	11/23/15		---	12.38	---	88.62			
18871 MW-21D	11/18/14	101.04	---	18.68	---	82.36	60	55-60	
	11/23/15		---	15.69	---	85.35			
18871 MW-22	11/18/14	100.24	---	23.16	---	77.08	35	25-35	
	11/23/15		---	12.61	---	87.63			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
18871 MW-22D	11/18/14	100.55	---	23.81	---	76.74	60	55-60	
	11/23/15		---	12.91	---	87.64			
				20.21		78.88			

Notes:

- Elevations relative to temporary benchmark set at 100.00 ft ; data reported in feet.
- NM: Not measured.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-1	08/09/13	**19,000**	**7,150**	**1,700**	8,910	**2,360**	**469 J**	**794**	**104**	7.9
	11/19/14	**23,400**	**10,200**	**1,780**	9,590	**2,900**	**520 J**	**934**	**123**	6.5
	04/27/15	**20,100**	**13,000**	**1,380**	6,830	**2,030**	**640 J**	**683**	**113**	NR
	11/23/15	**18,400**	**3,730**	**1,410**	7,350	**1,860**	**322 J**	**700**	**67.4**	NR
	07/26/16	**15,800**	**6,970**	**1,060**	5,440	**1,980**	**122 J**	**625**	**121**	NR
02261 MW-1 DUP A	08/09/13	**19,700**	**7,910**	**1,710**	9,110	**2,440**	**494 J**	**820**	**107**	12.2
	11/19/14	**22,100**	**10,400**	**1,640**	9,020	**2,640**	**665 J**	**873**	**138**	**56.3**
	04/27/15	**18,900**	**13,100**	**1,310**	6,680	**2,010**	**449 J**	**617**	**131**	NR
02261 MW-1 DUP B	07/26/16	**7,890**	**13,100**	**1,650**	8,820	**2,070**	**450 J**	**681**	**88.6**	NR
02261 MW-2	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.046	**106**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	11/23/15	1.1	1.1	0.51 J	1.9 J	<0.30	<1.0	<0.20	0.030	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
02261 MW-3	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.028	**49.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	0.025	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.096**	NR
	07/26/16	0.38 J	0.24 J	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
02261 MW-4	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.020	**48.9**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0095	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.10**	NR
	07/26/16	0.23 J	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		5	1,000	700	10,000	40	25	5	0.05	15
02261 MW-5	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
00261 MW-5 DUP B	04/27/15	<0.50	<1.0	<0.50	<1.3	<0.75	<2.5	<0.50	<0.0096	NR
02261 MW-6	11/18/14	<0.24	<0.20	<0.28	<0.66	0.67 J	<1.0	<0.24	<0.0096	7.1
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0098	NR
02261 MW-7	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	5.9
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0095	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0099	NR
02261 MW-8	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0091	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
02261 MW-9	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	6.6
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0096	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-10	11/18/14	**9.3**	<0.20	<0.28	3.4	0.83 J	<1.0	0.34 J	<0.0094	9.9
	04/27/15	2.0	<0.40	<0.20	<0.51	0.32 J	<1.0	<0.20	<0.0093	NR
	11/23/15	**2,900**	<20	**715**	1,750	**170**	**251**	**54.5**	**1.9**	NR
	07/26/16	4.1	0.48 J	<0.25	<0.56	0.41 J	<1.0	<0.28	<0.0096	NR
02261 MW-11	11/19/14	**18,100**	**6,040**	**2,590**	**12,900**	**671**	**569 J**	**530**	**44.9**	9.1
	04/27/15	**8,540**	**16,700**	**2,230**	**12,400**	**193 J**	**595 J**	**154 J**	**55.4**	NR
	11/23/15	**2,490**	**1,990**	**1,220**	7,550	<15	**432**	**69.3**	**2.1**	NR
	07/26/16	**330**	100	135	930	<1.0	**60.7**	**8.4**	**1.4**	NR
02261 MW-12	11/19/14	**14,400**	**19,800**	**2,230**	**12,400**	**356**	**494 J**	**308**	**81.6**	<5.0
	04/27/15	**13,800**	**21,100**	**2,190**	**11,000**	**305**	**555 J**	**271**	**77.5**	NR
	11/23/15	**15,800**	**21,400**	**2,820**	**13,600**	**262**	**426 J**	**260**	**67.3**	NR
	07/26/16	**14,000**	**18,700**	**1,920**	**11,600**	**446**	**542 J**	**393**	**98.1**	NR
02261 MW-13	11/19/14	**4,600**	478	**1,930**	6,420	**40.7 J**	**561**	**45.3 J**	**4.6**	**23.3**
	04/27/15	**4,220**	432	**2,200**	6,520	26.4 J	**848**	**29.9 J**	**4.2**	NR
	11/23/15	**4,850**	449	**2,290**	6,310	<30	**541**	**40.9 J**	**5.0**	NR
	07/26/16	**4,350**	355	**1,590**	5,980	27.9 J	**595**	**45.5 J**	**6.4**	NR
00261 MW-13 DUP A	11/23/15	**4,880**	417	**2,190**	6,260	<30	**531**	**42.8 J**	**4.8**	NR
02261 MW-14	11/19/14	**11,200**	**18,300**	**1,520**	8,560	**221**	**468 J**	**268**	**153**	<5.0
	04/27/15	**11,700**	**16,300**	**1,440**	7,500	**232**	**508 J**	**273**	**170**	NR
	11/23/15	**13,200**	**21,700**	**2,070**	9,940	**200**	**375 J**	**268**	**126**	NR
	07/26/16	**9,290**	**17,500**	**1,070**	6,820	**216**	**386 J**	**276**	**161**	NR
02261 MW-14 DUP B	11/19/14	**11,500**	**19,300**	**1,710**	9,230	**213**	**461 J**	**261**	**121**	7.5
	11/23/15	**10,800**	**19,900**	**1,670**	8,030	**186 J**	**338 J**	**256**	**135**	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-14 DUP A	07/26/16	**11,600**	**5,910**	**1,280**	8,320	**1,420**	**370 J**	**266**	**123**	NR
02261 TW-1	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.045	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0099	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.075**	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0095	NR
02261 TW-2	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	0.23 J	<0.0095	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0094	NR
02261 TW-3	11/20/14	<0.24	0.94 J	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	**58.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.010	NR
02261 TW-4	11/19/14	**9,700**	168	698	720	**1,870**	**214 J**	**415**	**1.9**	**66.4**
	04/27/15	**10,300**	286	**821**	1,050	**1,720**	**332 J**	**333**	**0.88**	NR
	11/23/15	**8,250**	137	399	129 J	**1,750**	**116 J**	**385**	**0.22**	NR
	07/26/16	**9,440**	239	690	1,050	**2,020**	**241 J**	**433**	**1.2**	NR
02261 TW-5	11/19/14	**3,240**	654	**1,670**	5,840	**65.4**	**577**	**53.0**	**3.5**	**70.8**
	04/27/15	**95.8**	5.7	54.0	112	13.7	**64.6**	**8.8**	**0.25**	NR
	11/23/15	**7.7**	0.77 J	0.59 J	1.4 J	3.9	1.8 J	1.3	<0.0096	NR
	07/26/16	2.7	<0.20	0.73 J	<0.56	3.6	<1.0	1.8	<0.0092	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 TW-6	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	07/26/16	<0.20	1.4	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0099	NR
18871 MW-10	11/19/14	**2,460**	13.0 J	546	1,490	**181**	**277**	**52.7**	**1.5**	**29.6**
	11/23/15	0.24 J	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
18871 MW-20	11/18/14	**3,760**	24.2 J	671	3,420	**268**	**255**	**64.3**	**3.5**	**49.8**
	11/23/15	**3,370**	27.7 J	**874**	3,250	**196**	**195 J**	**56.6**	**4.2**	NR
18871 MW-20D	11/19/14	1.9	<0.20	<0.28	<0.66	15.2	<1.0	1.1	**0.057**	**34.8**
	11/23/15	2.9	<0.40	<0.20	<0.51	22.5	<1.0	2.9	<0.0099	NR
18871 MW-21	11/19/14	**16,300**	**21,000**	**1,710**	9,690	**3,670**	**360**	**676**	**85.5**	14.9
	11/23/15	**18,300**	**23,200**	**2,080**	**10,400**	**2,710**	**273 J**	**538**	**62.2**	NR
18871 MW-21D	11/19/14	**950**	613	42.1	225	**482**	**28.7 J**	**55.4**	**0.60**	<5.0
	11/23/15	**572**	342	36.7	172	**299**	10.7 J	**34.0**	**0.20**	NR
18871 MW-22	11/19/14	**1,490**	44.4	304	1,970	**41.2**	**181**	**24.5 J**	**4.5**	6.9
	11/23/15	**1,700**	49.4	284	1,790	**44.8**	**134**	**24.3**	**2.6**	NR
18871 MW-22D	11/19/14	**2,250**	63.2	519	771	**99.0**	**266**	**35.4**	**1.4**	**23.0**
	11/23/15	**2,880**	58.0	547	599	**163**	**235 J**	**61.4**	**0.74**	NR
PW-2	08/09/13	1.0	0.28 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0093	NR
	11/19/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
PW-3	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	0.043	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0095	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
TRIP BLANK	08/09/13	<0.21	<0.20	<0.29	<0.50	<0.21	<1.0	<0.22	NR	NR
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	NR	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	NR	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	NR	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	NR	NR
FIELD BLANK	08/09/13	<0.21	0.26 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0094	<5.0
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR

Notes:
- Analyses for BTEX, MTBE, naphthalene and 1, 2-DCA by EPA Method 8260B, EDB by Method 8011 and lead by EPA Method 3010/6010; results reported in µg/l.
- RBSL: Risk Based Screening Level.
- Concentrations in bold face type exceeded the RBSL.
- <: Less than the report limit specified in the laboratory report.
- J: Estimated value.
- NS: Not sampled.
- NR: Analysis not requested.

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-1	11/19/14	<57	<950	<5,800	<50	**45,200**	<55	**28,500**	<1,000
	04/27/15	8.1	<2,500	<35	<0.20	**40,400**	15.4	**23,600**	<1,000
	11/23/15	<40	<2,000	<7,000	<40	**32,200**	<44	**18,900**	<800
	07/26/16	<0.23	<10	<50	<0.22	**36,900**	<0.20	**37,600**	<5.0
02261 MW-1 DUP A	11/19/14	<57	<950	<5,800	<50	**41,000**	<55	**26,000**	<1,000
	04/27/15	<50	<2,500	<8,800	<50	**36,500**	<55	**26,600**	<1,000
02261 MW-1 DUP B	07/26/16	<45	<2,000	<10,000	<44	**34,300**	<40	**34,400**	<1,000
02261 MW-2	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 MW-3	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 MW-4	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 MW-5	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-5 DUP B	04/27/15	<0.50	<25	<88	<0.50	<20	<0.55	<14	<10
02261 MW-6	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 MW-7	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 MW-8	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 MW-9	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 MW-10	11/18/14	<0.23	<3.8	<23	<0.20	54.5	<0.22	12.3 J	<4.0
	04/27/15	<0.20	<10	<35	<0.20	21.9	<0.22	8.8 J	<4.0
	11/23/15	<10	<500	<1,800	<10	**2,570**	<11	**1,630**	<200
	07/26/16	<0.23	<10	<50	<0.22	22.5	<0.20	<9.1	<5.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-11	11/19/14	<45	<760	<4,600	<40	**88,000**	106 J	**6,100**	<810
	04/27/15	<40	<2,000	<7,000	<40	**17,500**	<44	<1,100	<800
	11/23/15	<10	<500	<1,800	<10	**8,950**	<11	<270	<200
	07/26/16	<1.1	<50	<250	<1.1	**551**	<1.0	<45	<25
02261 MW-12	11/19/14	<45	<760	<4,600	<40	**34,100**	<44	**3,420 J**	<810
	04/27/15	<50	<2,500	<8,800	<50	**34,500**	<55	<1,400	<1,000
	11/23/15	<40	<2,000	<18,000	<40	**29,300**	<44	<1,100	<800
	07/26/16	<45	<2,000	<10,000	<44	**33,000**	<40	**2,540 J**	<1,000
02261 MW-13	11/19/14	<23	<380	<2,300	<20	**9,820**	<22	<880	<400
	04/27/15	<10	<500	<1,800	<10	**7,810**	<11	<270	<200
	11/23/15	<20	<1,000	<3,500	<20	**8,420**	<22	<540	<400
	07/26/16	<11	<500	<2,500	<11	**7,810**	<10	<450	<250
02261 MW-13 DUP A	11/23/15	<20	<1,000	<3,500	<20	**7,890**	<22	<540	<400
02261 MW-14	11/19/14	<45	<760	<4,600	<40	**23,600**	<44	**2,040 J**	<810
	04/27/15	<40	<2,000	<7,000	<40	**27,100**	72.6 J	<1,100	<800
	11/23/15	<40	<2,000	<18,000	<40	**24,100**	<44	<1,100	<800
	07/26/16	<45	<2,000	<10,000	<44	**17,300**	<40	<1,800	<1,000
02261 MW-14 DUP B	11/19/14	<45	<760	<4,600	<40	**21,900**	<44	**2,220 J**	<810
	11/23/15	<40	<2,000	<7,000	<40	**20,800**	<44	<1,100	<800
02261 MW-14 DUP A	07/26/16	<45	<2,000	<10,000	<44	**18,400**	<40	**1,950 J**	<1,000

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 TW-1	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 TW-2	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 TW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
02261 TW-4	11/19/14	<23	<380	<2,300	<20	**12,400**	65.1 J	**2,580**	<400
	04/27/15	<20	<1,000	<3,500	<20	**11,600**	79.0 J	<540	<400
	11/23/15	<20	<1,000	<3,500	<20	**10,100**	59.5 J	<540	<400
	07/26/16	<23	<1,000	<5,000	<22	**15,500**	71.2 J	<910	<500
02261 TW-5	11/19/14	<11	<190	<1,200	<10	**9,690**	<11	892 J	<200
	04/27/15	<0.20	<10	<35	<0.20	**1,880**	1.6 J	210	<4.0
	11/23/15	<0.20	<10	<35	<0.20	173	0.51 J	53.2	<4.0
	07/26/16	<0.23	<10	<50	<0.22	**476**	<0.20	63.3	<5.0
02261 TW-6	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
18871 MW-10	11/19/14	<11	<190	<1,200	<10	**2,200**	<11	**1,560**	<200
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
18871 MW-20	11/18/14	<11	<190	<1,200	<10	**3,480**	<11	753 J	<200
	11/23/15	<10	<500	<1,800	<10	**2,870**	<11	<270	<200
18871 MW-20D	11/19/14	<0.23	<3.8	<23	<0.20	7.7 J	0.56 J	20.1	<4.0
	11/23/15	<0.20	<10	<35	<0.20	29.4	1.1 J	<5.4	<4.0
18871 MW-21	11/19/14	14.5	<3.8	<23	<0.20	**32,800**	<0.22	**34,500**	<4.0
	11/23/15	<40	<2,000	<7,000	<40	**31,700**	<44	**29,400**	<800
18871 MW-21D	11/19/14	<4.5	<76	<460	<4.0	**6,020**	6.2 J	**3,470**	<81
	11/23/15	1.8 J	<50	<180	<1.0	**4,000**	4.6 J	**2,210**	<20
18871 MW-22	11/19/14	<5.7	<95	<580	<5.0	**2,140**	<5.5	473 J	<100
	11/23/15	<4.0	<200	<700	<4.0	**2,140**	<4.4	613	<80
18871 MW-22D	11/19/14	<0.45	<7.6	<46	<0.40	**4,200**	<0.44	**1,440**	<8.1
	11/23/15	<10	<500	<1,800	<10	**4,920**	<11	**2,260**	<200
PW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
TRIP BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
FIELD BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0

Notes:

- Analyses for selected oxygenates by EPA Method 8260B; results reported in µg/l.
- Concentrations in bold face type exceeded the RBSL.
- J: Estimated value.
- <: Less than the report limit specified in the laboratory report.
- NE: Not Established.

APPENDICES

APPENDIX A

Laboratory Analytical Report – Ground Water Samples

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

GRI (Geological Resources Inc.)

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

02261/3289

SGS Accutest Job Number: FA35698

Sampling Date: 07/26/16

Report to:

GRI
3502 Hayes Rd
Monroe, NC 28110
wsb@geologicalresourcesinc.com; carriekennedy@geologicalresourcesinc.com; jjr@geologicalresourcesinc.com; nml@geologicalresourcesinc.com
ATTN: Scott Ball

Total number of pages in report: **83**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Muna Mohammed 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

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Sample Summary

GRI (Geological Resources Inc.)

Job No: FA35698

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Project No: 02261/3289

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA35698-1	07/26/16	16:36	CBZC	07/27/16	AQ	Ground Water	02261-MW-1
FA35698-2	07/26/16	12:19	CBZC	07/27/16	AQ	Ground Water	02261-MW-2
FA35698-3	07/26/16	13:03	CBZC	07/27/16	AQ	Ground Water	02261-MW-3
FA35698-4	07/26/16	12:51	CBZC	07/27/16	AQ	Ground Water	02261-MW-4
FA35698-5	07/26/16	12:33	CBZC	07/27/16	AQ	Ground Water	02261-MW-5
FA35698-6	07/26/16	14:06	CBZC	07/27/16	AQ	Ground Water	02261-MW-6
FA35698-7	07/26/16	10:05	CBZC	07/27/16	AQ	Ground Water	02261-MW-7
FA35698-8	07/26/16	11:16	CBZC	07/27/16	AQ	Ground Water	02261-MW-8
FA35698-9	07/26/16	11:05	CBZC	07/27/16	AQ	Ground Water	02261-MW-9
FA35698-10	07/26/16	14:17	CBZC	07/27/16	AQ	Ground Water	02261-MW-10
FA35698-11	07/26/16	16:05	CBZC	07/27/16	AQ	Ground Water	02261-MW-11
FA35698-12	07/26/16	15:36	CBZC	07/27/16	AQ	Ground Water	02261-MW-12
FA35698-13	07/26/16	16:12	CBZC	07/27/16	AQ	Ground Water	02261-MW-13

Sample Summary
(continued)

GRI (Geological Resources Inc.)

Job No: FA35698

Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Project No: 02261/3289

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
FA35698-14	07/26/16	14:49	CBZC	07/27/16	AQ	Ground Water	02261-MW-14
FA35698-15	07/26/16	09:27	CBZC	07/27/16	AQ	Ground Water	02261-TW-1
FA35698-16	07/26/16	10:58	CBZC	07/27/16	AQ	Ground Water	02261-TW-2
FA35698-17	07/26/16	08:49	CBZC	07/27/16	AQ	Ground Water	02261-TW-3
FA35698-18	07/26/16	15:09	CBZC	07/27/16	AQ	Ground Water	02261-TW-4
FA35698-19	07/26/16	15:46	CBZC	07/27/16	AQ	Ground Water	02261-TW-5
FA35698-20	07/26/16	12:14	CBZC	07/27/16	AQ	Ground Water	02261-TW-6
FA35698-21	07/26/16	16:21	CBZC	07/27/16	AQ	Ground Water	02261-PW-3
FA35698-22	07/26/16	00:00	CBZC	07/27/16	AQ	Ground Water	02261-DUP-A
FA35698-23	07/26/16	16:31	CBZC	07/27/16	AQ	Field Blank Water	02261-FIELD BLANK
FA35698-24	07/26/16	00:00	CBZC	07/27/16	AQ	Trip Blank Water	02261-TRIP BLANK
FA35698-25	07/26/16	00:00	CBZC	07/27/16	AQ	Ground Water	02261-DUP-B

Summary of Hits

Job Number: FA35698
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 07/26/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA35698-1	02261-MW-1					
Benzene [a]		15800	500	100	ug/l	SW846 8260B
Toluene [a]		6970	500	100	ug/l	SW846 8260B
Ethylbenzene [a]		1060	500	130	ug/l	SW846 8260B
Xylene (total) [a]		5440	1500	280	ug/l	SW846 8260B
Methyl Tert Butyl Ether [a]		1980	500	100	ug/l	SW846 8260B
Naphthalene [a]		122 J	500	100	ug/l	SW846 8260B
1,2-Dichloroethane [a]		625	500	140	ug/l	SW846 8260B
Tert-Amyl Alcohol [a]		36900	2000	600	ug/l	SW846 8260B
Tert-Butyl Alcohol [a]		37600	2000	910	ug/l	SW846 8260B
1,2-Dibromoethane [b]		121	19	9.6	ug/l	SW846 8011
FA35698-2	02261-MW-2					
No hits reported in this sample.						
FA35698-3	02261-MW-3					
Benzene		0.38 J	1.0	0.20	ug/l	SW846 8260B
Toluene		0.24 J	1.0	0.20	ug/l	SW846 8260B
FA35698-4	02261-MW-4					
Benzene		0.23 J	1.0	0.20	ug/l	SW846 8260B
FA35698-5	02261-MW-5					
No hits reported in this sample.						
FA35698-6	02261-MW-6					
No hits reported in this sample.						
FA35698-7	02261-MW-7					
No hits reported in this sample.						
FA35698-8	02261-MW-8					
No hits reported in this sample.						
FA35698-9	02261-MW-9					
No hits reported in this sample.						

Summary of Hits

Job Number: FA35698
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 07/26/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA35698-10	02261-MW-10					
Benzene		4.1	1.0	0.20	ug/l	SW846 8260B
Toluene		0.48 J	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether		0.41 J	1.0	0.20	ug/l	SW846 8260B
Tert-Amyl Alcohol		22.5	20	6.0	ug/l	SW846 8260B
FA35698-11	02261-MW-11					
Benzene		330	5.0	1.0	ug/l	SW846 8260B
Toluene		100	5.0	1.0	ug/l	SW846 8260B
Ethylbenzene		135	5.0	1.3	ug/l	SW846 8260B
Xylene (total)		930	15	2.8	ug/l	SW846 8260B
Naphthalene		60.7	25	5.0	ug/l	SW846 8260B
1,2-Dichloroethane		8.4	5.0	1.4	ug/l	SW846 8260B
Tert-Amyl Alcohol		551	100	30	ug/l	SW846 8260B
1,2-Dibromoethane [c]		1.4	0.077	0.038	ug/l	SW846 8011
FA35698-12	02261-MW-12					
Benzene		14000	200	41	ug/l	SW846 8260B
Toluene		18700	200	40	ug/l	SW846 8260B
Ethylbenzene		1920	200	50	ug/l	SW846 8260B
Xylene (total)		11600	600	110	ug/l	SW846 8260B
Methyl Tert Butyl Ether		446	200	40	ug/l	SW846 8260B
Naphthalene		542 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		393	200	57	ug/l	SW846 8260B
Tert-Amyl Alcohol		33000	4000	1200	ug/l	SW846 8260B
Tert-Butyl Alcohol		2540 J	4000	1800	ug/l	SW846 8260B
1,2-Dibromoethane [b]		98.1	19	9.7	ug/l	SW846 8011
FA35698-13	02261-MW-13					
Benzene		4350	50	10	ug/l	SW846 8260B
Toluene		355	50	10	ug/l	SW846 8260B
Ethylbenzene		1590	50	13	ug/l	SW846 8260B
Xylene (total)		5980	150	28	ug/l	SW846 8260B
Methyl Tert Butyl Ether		27.9 J	50	10	ug/l	SW846 8260B
Naphthalene		595	250	50	ug/l	SW846 8260B
1,2-Dichloroethane		45.5 J	50	14	ug/l	SW846 8260B
Tert-Amyl Alcohol		7810	1000	300	ug/l	SW846 8260B
1,2-Dibromoethane [c]		6.4	0.19	0.097	ug/l	SW846 8011

Summary of Hits

Job Number: FA35698
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 07/26/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA35698-14	02261-MW-14					
Benzene		9290	200	41	ug/l	SW846 8260B
Toluene		17500	200	40	ug/l	SW846 8260B
Ethylbenzene		1070	200	50	ug/l	SW846 8260B
Xylene (total)		6820	600	110	ug/l	SW846 8260B
Methyl Tert Butyl Ether		216	200	40	ug/l	SW846 8260B
Naphthalene		386 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		276	200	57	ug/l	SW846 8260B
Tert-Amyl Alcohol		17300	4000	1200	ug/l	SW846 8260B
1,2-Dibromoethane [c]		161	9.8	4.9	ug/l	SW846 8011
FA35698-15	02261-TW-1					
No hits reported in this sample.						
FA35698-16	02261-TW-2					
No hits reported in this sample.						
FA35698-17	02261-TW-3					
No hits reported in this sample.						
FA35698-18	02261-TW-4					
Benzene		9440	100	20	ug/l	SW846 8260B
Toluene		239	100	20	ug/l	SW846 8260B
Ethylbenzene		690	100	25	ug/l	SW846 8260B
Xylene (total)		1050	300	56	ug/l	SW846 8260B
Methyl Tert Butyl Ether		2020	100	20	ug/l	SW846 8260B
Naphthalene		241 J	500	100	ug/l	SW846 8260B
1,2-Dichloroethane		433	100	28	ug/l	SW846 8260B
Tert-Amyl Alcohol		15500	2000	600	ug/l	SW846 8260B
Tert-Amyl Methyl Ether		71.2 J	200	20	ug/l	SW846 8260B
1,2-Dibromoethane [c]		1.2	0.076	0.038	ug/l	SW846 8011
FA35698-19	02261-TW-5					
Benzene		2.7	1.0	0.20	ug/l	SW846 8260B
Ethylbenzene		0.73 J	1.0	0.25	ug/l	SW846 8260B
Methyl Tert Butyl Ether		3.6	1.0	0.20	ug/l	SW846 8260B
1,2-Dichloroethane		1.8	1.0	0.28	ug/l	SW846 8260B
Tert-Amyl Alcohol		476	20	6.0	ug/l	SW846 8260B
Tert-Butyl Alcohol		63.3	20	9.1	ug/l	SW846 8260B

Summary of Hits

Job Number: FA35698
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 07/26/16

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA35698-20	02261-TW-6					
Toluene		1.4	1.0	0.20	ug/l	SW846 8260B
FA35698-21	02261-PW-3					
No hits reported in this sample.						
FA35698-22	02261-DUP-A					
Benzene		11600	200	41	ug/l	SW846 8260B
Toluene		5910	500	100	ug/l	SW846 8260B
Ethylbenzene		1280	200	50	ug/l	SW846 8260B
Xylene (total)		8320	600	110	ug/l	SW846 8260B
Methyl Tert Butyl Ether		1420	500	100	ug/l	SW846 8260B
Naphthalene		370 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		266	200	57	ug/l	SW846 8260B
Tert-Amyl Alcohol		18400	4000	1200	ug/l	SW846 8260B
Tert-Butyl Alcohol		1950 J	4000	1800	ug/l	SW846 8260B
1,2-Dibromoethane [b]		123	3.8	1.9	ug/l	SW846 8011
FA35698-23	02261-FIELD BLANK					
No hits reported in this sample.						
FA35698-24	02261-TRIP BLANK					
No hits reported in this sample.						
FA35698-25	02261-DUP-B					
Benzene		7890	500	100	ug/l	SW846 8260B
Toluene		13100	500	100	ug/l	SW846 8260B
Ethylbenzene		1650	200	50	ug/l	SW846 8260B
Xylene (total)		8820	600	110	ug/l	SW846 8260B
Methyl Tert Butyl Ether		2070	200	40	ug/l	SW846 8260B
Naphthalene		450 J	1000	200	ug/l	SW846 8260B
1,2-Dichloroethane		681	200	57	ug/l	SW846 8260B
Tert-Amyl Alcohol		34300	4000	1200	ug/l	SW846 8260B
Tert-Butyl Alcohol		34400	4000	1800	ug/l	SW846 8260B
1,2-Dibromoethane [b]		88.6	2.0	0.98	ug/l	SW846 8011

(a) Results from different vials are not consistent; higher results were reported.
(b) All hits confirmed by dual column analysis. Dilution required due to matrix interference.

Summary of Hits

Job Number: FA35698
Account: GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC
Collected: 07/26/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

(c) All hits confirmed by dual column analysis.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	02261-MW-1		
Lab Sample ID:	FA35698-1	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	J0978370.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2 [a]	J0978449.D	100	08/02/16	DP	n/a	n/a	VJ5388
Run #3 [a]	J0978406.D	500	08/01/16	DP	n/a	n/a	VJ5386

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	15800 [b]	500	100	ug/l	
108-88-3	Toluene	6970 [b]	500	100	ug/l	
100-41-4	Ethylbenzene	1060 [b]	500	130	ug/l	
1330-20-7	Xylene (total)	5440 [b]	1500	280	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1980 [b]	500	100	ug/l	
91-20-3	Naphthalene	122 [c]	500	100	ug/l	J
107-06-2	1,2-Dichloroethane	625 [b]	500	140	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	36900 [c]	2000	600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	37600 [c]	2000	910	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	83%	87%	90%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	92%	101%	79-125%
2037-26-5	Toluene-D8	94%	104%	104%	85-112%
460-00-4	4-Bromofluorobenzene	87%	87%	97%	83-118%

(a) Results from different vials are not consistent; higher results were reported.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-1		
Lab Sample ID:	FA35698-1	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051595.D	1000	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	121	19	9.6	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-2		
Lab Sample ID:	FA35698-2	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978405.D	1	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	95%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-2		
Lab Sample ID:	FA35698-2	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051585.D	1	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-3		
Lab Sample ID:	FA35698-3	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978372.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.38	1.0	0.20	ug/l	J
108-88-3	Toluene	0.24	1.0	0.20	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-3		
Lab Sample ID:	FA35698-3	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051522.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-4		
Lab Sample ID:	FA35698-4	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978373.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.23	1.0	0.20	ug/l	J
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-4		
Lab Sample ID:	FA35698-4	**Date Sampled:**	07/26/16
Matrix:	AQ - Ground Water	**Date Received:**	07/27/16
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051523.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-5		
Lab Sample ID:	FA35698-5	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978374.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	105%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-5		
Lab Sample ID:	FA35698-5	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051524.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-6		
Lab Sample ID:	FA35698-6	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978375.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-6		
Lab Sample ID:	FA35698-6	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051527.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0098	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	106%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-7		
Lab Sample ID:	FA35698-7	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978376.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	104%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-7		
Lab Sample ID:	FA35698-7	**Date Sampled:**	07/26/16
Matrix:	AQ - Ground Water	**Date Received:**	07/27/16
Method:	SW846 8011 SW846 8011	**Percent Solids:**	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051528.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0099	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-8		
Lab Sample ID:	FA35698-8	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978377.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	105%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-8		
Lab Sample ID:	FA35698-8	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051529.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-9		
Lab Sample ID:	FA35698-9	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978378.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-9		
Lab Sample ID:	FA35698-9	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051530.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	111%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-10		
Lab Sample ID:	FA35698-10	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978379.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4.1	1.0	0.20	ug/l	
108-88-3	Toluene	0.48	1.0	0.20	ug/l	J
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.41	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	22.5	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-10		
Lab Sample ID:	FA35698-10	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051531.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0096	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-11		
Lab Sample ID:	FA35698-11	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978380.D	5	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	330	5.0	1.0	ug/l	
108-88-3	Toluene	100	5.0	1.0	ug/l	
100-41-4	Ethylbenzene	135	5.0	1.3	ug/l	
1330-20-7	Xylene (total)	930	15	2.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/l	
91-20-3	Naphthalene	60.7	25	5.0	ug/l	
107-06-2	1,2-Dichloroethane	8.4	5.0	1.4	ug/l	
108-20-3	Di-Isopropyl Ether	ND	5.0	1.1	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	250	50	ug/l	
64-17-5	Ethyl Alcohol	ND	1000	250	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	10	1.1	ug/l	
75-85-4	Tert-Amyl Alcohol	551	100	30	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	10	1.0	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	100	45	ug/l	
762-75-4	Tert-Butyl Formate	ND	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	93%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-11		
Lab Sample ID:	FA35698-11	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051587.D	4	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.5 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	1.4	0.077	0.038	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-12		
Lab Sample ID:	FA35698-12	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978381.D	200	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	14000	200	41	ug/l	
108-88-3	Toluene	18700	200	40	ug/l	
100-41-4	Ethylbenzene	1920	200	50	ug/l	
1330-20-7	Xylene (total)	11600	600	110	ug/l	
1634-04-4	Methyl Tert Butyl Ether	446	200	40	ug/l	
91-20-3	Naphthalene	542	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	393	200	57	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	45	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND	40000	10000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	44	ug/l	
75-85-4	Tert-Amyl Alcohol	33000	4000	1200	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	40	ug/l	
75-65-0	Tert-Butyl Alcohol	2540	4000	1800	ug/l	J
762-75-4	Tert-Butyl Formate	ND	4000	1000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-12		
Lab Sample ID:	FA35698-12	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051597.D	1000	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	98.1	19	9.7	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-13		
Lab Sample ID:	FA35698-13	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978382.D	50	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4350	50	10	ug/l	
108-88-3	Toluene	355	50	10	ug/l	
100-41-4	Ethylbenzene	1590	50	13	ug/l	
1330-20-7	Xylene (total)	5980	150	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	27.9	50	10	ug/l	J
91-20-3	Naphthalene	595	250	50	ug/l	
107-06-2	1,2-Dichloroethane	45.5	50	14	ug/l	J
108-20-3	Di-Isopropyl Ether	ND	50	11	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	2500	500	ug/l	
64-17-5	Ethyl Alcohol	ND	10000	2500	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	100	11	ug/l	
75-85-4	Tert-Amyl Alcohol	7810	1000	300	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	100	10	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	1000	450	ug/l	
762-75-4	Tert-Butyl Formate	ND	1000	250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%
17060-07-0	1,2-Dichloroethane-D4	104%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-13		
Lab Sample ID:	FA35698-13	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051589.D	10	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	6.4	0.19	0.097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	102%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-14		
Lab Sample ID:	FA35698-14	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978383.D	200	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	9290	200	41	ug/l	
108-88-3	Toluene	17500	200	40	ug/l	
100-41-4	Ethylbenzene	1070	200	50	ug/l	
1330-20-7	Xylene (total)	6820	600	110	ug/l	
1634-04-4	Methyl Tert Butyl Ether	216	200	40	ug/l	
91-20-3	Naphthalene	386	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	276	200	57	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	45	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND	40000	10000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	44	ug/l	
75-85-4	Tert-Amyl Alcohol	17300	4000	1200	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	4000	1800	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	1000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-MW-14		
Lab Sample ID:	FA35698-14	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051590.D	500	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	161	9.8	4.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-1		
Lab Sample ID:	FA35698-15	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978384.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-1		
Lab Sample ID:	FA35698-15	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051592.D	1	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	37.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	131%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-2		
Lab Sample ID:	FA35698-16	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978385.D	1	07/29/16	DP	n/a	n/a	VJ5385
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-2		
Lab Sample ID:	FA35698-16	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051539.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	37.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0094	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-3		
Lab Sample ID:	FA35698-17	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978407.D	1	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-3		
Lab Sample ID:	FA35698-17	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051540.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-4		
Lab Sample ID:	FA35698-18	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978408.D	100	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	9440	100	20	ug/l	
108-88-3	Toluene	239	100	20	ug/l	
100-41-4	Ethylbenzene	690	100	25	ug/l	
1330-20-7	Xylene (total)	1050	300	56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2020	100	20	ug/l	
91-20-3	Naphthalene	241	500	100	ug/l	J
107-06-2	1,2-Dichloroethane	433	100	28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	100	23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	5000	1000	ug/l	
64-17-5	Ethyl Alcohol	ND	20000	5000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	200	22	ug/l	
75-85-4	Tert-Amyl Alcohol	15500	2000	600	ug/l	
994-05-8	Tert-Amyl Methyl Ether	71.2	200	20	ug/l	J
75-65-0	Tert-Butyl Alcohol	ND	2000	910	ug/l	
762-75-4	Tert-Butyl Formate	ND	2000	500	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-4		
Lab Sample ID:	FA35698-18	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051593.D	4	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	1.2	0.076	0.038	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	113%		63-137%

(a) All hits confirmed by dual column analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-5		
Lab Sample ID:	FA35698-19	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978409.D	1	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.7	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	0.73	1.0	0.25	ug/l	J
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.6	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	1.8	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	476	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	63.3	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-5		
Lab Sample ID:	FA35698-19	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051594.D	1	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	38.0 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.018	0.0092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	123%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-6		
Lab Sample ID:	FA35698-20	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978410.D	1	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	1.4	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		83-118%
17060-07-0	1,2-Dichloroethane-D4	105%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TW-6		
Lab Sample ID:	FA35698-20	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051543.D	1	08/04/16	NG	08/01/16	OP61293	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.4 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.0099	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	114%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-PW-3		
Lab Sample ID:	FA35698-21	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978411.D	1	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		83-118%
17060-07-0	1,2-Dichloroethane-D4	103%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-PW-3		
Lab Sample ID:	FA35698-21	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051509.D	1	08/03/16	NG	08/01/16	OP61294	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.8 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0095	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-DUP-A		
Lab Sample ID:	FA35698-22	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978412.D	200	08/01/16	DP	n/a	n/a	VJ5386
Run #2	J0978445.D	500	08/02/16	DP	n/a	n/a	VJ5388

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	11600	200	41	ug/l	
108-88-3	Toluene	5910 [a]	500	100	ug/l	
100-41-4	Ethylbenzene	1280	200	50	ug/l	
1330-20-7	Xylene (total)	8320	600	110	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1420 [a]	500	100	ug/l	
91-20-3	Naphthalene	370	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	266	200	57	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	45	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND	40000	10000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	44	ug/l	
75-85-4	Tert-Amyl Alcohol	18400	4000	1200	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	40	ug/l	
75-65-0	Tert-Butyl Alcohol	1950	4000	1800	ug/l	J
762-75-4	Tert-Butyl Formate	ND	4000	1000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	92%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	95%	79-125%
2037-26-5	Toluene-D8	102%	103%	85-112%
460-00-4	4-Bromofluorobenzene	95%	89%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-DUP-A		
Lab Sample ID:	FA35698-22	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051510.D	200	08/03/16	NG	08/01/16	OP61294	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	123	3.8	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-FIELD BLANK		
Lab Sample ID:	FA35698-23	Date Sampled:	07/26/16
Matrix:	AQ - Field Blank Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978413.D	1	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	104%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-FIELD BLANK		
Lab Sample ID:	FA35698-23	Date Sampled:	07/26/16
Matrix:	AQ - Field Blank Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CC051511.D	1	08/03/16	NG	08/01/16	OP61294	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	36.2 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.019	0.0097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		63-137%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-TRIP BLANK		
Lab Sample ID:	FA35698-24	Date Sampled:	07/26/16
Matrix:	AQ - Trip Blank Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978414.D	1	08/01/16	DP	n/a	n/a	VJ5386
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	106%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-DUP-B		
Lab Sample ID:	FA35698-25	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J0978415.D	200	08/01/16	DP	n/a	n/a	VJ5386
Run #2	J0978446.D	500	08/02/16	DP	n/a	n/a	VJ5388

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE, Naphthalene

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	7890 [a]	500	100	ug/l	
108-88-3	Toluene	13100 [a]	500	100	ug/l	
100-41-4	Ethylbenzene	1650	200	50	ug/l	
1330-20-7	Xylene (total)	8820	600	110	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2070	200	40	ug/l	
91-20-3	Naphthalene	450	1000	200	ug/l	J
107-06-2	1,2-Dichloroethane	681	200	57	ug/l	
108-20-3	Di-Isopropyl Ether	ND	200	45	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	10000	2000	ug/l	
64-17-5	Ethyl Alcohol	ND	40000	10000	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	400	44	ug/l	
75-85-4	Tert-Amyl Alcohol	34300	4000	1200	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	400	40	ug/l	
75-65-0	Tert-Butyl Alcohol	34400	4000	1800	ug/l	
762-75-4	Tert-Butyl Formate	ND	4000	1000	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%	92%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	95%	79-125%
2037-26-5	Toluene-D8	104%	104%	85-112%
460-00-4	4-Bromofluorobenzene	91%	88%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	02261-DUP-B		
Lab Sample ID:	FA35698-25	Date Sampled:	07/26/16
Matrix:	AQ - Ground Water	Date Received:	07/27/16
Method:	SW846 8011 SW846 8011	Percent Solids:	n/a
Project:	Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	CC051512.D	100	08/03/16	NG	08/01/16	OP61294	GCC1016
Run #2							

	Initial Volume	Final Volume
Run #1	35.6 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	88.6	2.0	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	0% [b]		63-137%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody

Parameter Certification Exceptions

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
3,3-Dimethyl-1-Butanol	624-95-3	SW846 8260B	AQ	Certified by SOP MS005
Di-Isopropyl Ether	108-20-3	SW846 8260B	AQ	Certified by SOP MS005
Tert-Amyl Alcohol	75-85-4	SW846 8260B	AQ	Certified by SOP MS005
Tert-Butyl Formate	762-75-4	SW846 8260B	AQ	Certified by SOP MS005

Accutest Laboratories Southeast

Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

SCDHEC FA35698 PAGE 1 OF 3

Accutest JOB # FA35698 | Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: GEOLOGICAL RESOURCES INC
Address: 3502 HAWES ROAD
City: MONROE State: NC Zip: 28110
Project Contact: SCOTT GALL E-mail: [illegible]
Phone: 704.845.4010
Sampler(s) Name(s) (Printed): COREY N. BUCHANAN ERIC CAMPBELL

Project Information

Project Name: MARLEY COUNTRY (CONDITIONAL)
Street: 1908 HIGHWAY 601 NORTH
City: PAGELAND State: SC
Project #: 3289
Fax #: LUST PERMIT # 02261
Client Purchase Order #: 2568

Analytical Information

BTEX, NAPTH, 524 & Oxygenates by 8260 EDB by 504

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of Bottles	HCl	NaOH	BTEX, NAPTH, 524 & Oxygenates by 8260	EDB by 504	LAB USE ONLY
1	02261-MW-1 Hol	7/26/16	1436	EC	GW	5		5	X	X	
2	02261-MW-2	7/26/16	1219	EC	GW	5		5	X	X	
3	02261-MW-3	7/26/16	1303	CB	GW	5		5	X	X	
4	02261-MW-4	7/26/16	1251	EC	GW	5		5	X	X	
5	02261-MW-5	7/26/16	1223	CAB	GW	5		5	X	X	
6	02261-MW-6	7/26/16	1406	CAB	GW	5		5	X	X	
7	02261-MW-7	7/26/16	1005	CAB	GW	5		5	X	X	
8	02261-MW-8	7/26/16	1116	CAB	GW	5		5	X	X	
9	02261-MW-9	7/26/16	1105	EC	GW	5		5	X	X	
10	02261-MW-10 Hol	7/26/16	1417	EC	GW	5		5	X	X	
11	02261-MW-11 Hol	7/26/16	1605	EC	GW	5		5	X	X	
12	02261-MW-12 Hol	7/26/16	1536	EC	GW	5		5	X	X	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [X] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

ACCUTEST 2828-C QUEEN CT. DAY CLT NC 28203

Comments / Remarks

SCDHEC UST MANAGEMENT
PROGRAM UST PERMIT #02261

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Corey N. Buchanan	7/26/16 1730	2 FEDEX 808754878955	3 FX	7-27-16	4 Cooler (ALSE) 10:00
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 3.4

4.2 4

FA35698: Chain of Custody
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Accutest Laboratories Southeast

ACCUTEST LABORATORIES

Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

SCDHEC

Accutest JOB # FA35698 PAGE 2 OF 3

Accutest Quote #	SKIFF#

Client / Reporting Information

Company Name: GEOLOGICAL RESOURCES, INC.
Address: 3507 HAVEL ROAD
City: MONROE State: NC Zip: 28110
Project Contact: SCOTT SALE E-mail: WSB@geologica
Phone#: 704.845.4210
Sampler(s) Name(s) (Printed): CASEY D. BUCHANAN, ZACH CAMPBELL

Project Information

Project Name: CAROLINA COUNTRY CONVENIENCE
Street: 1905 HIGHWAY 601 NORTH
City: PAGELAND State: SC
Project #: 3289
Fax #: UST PERMIT # 022261
Client Purchase Order #: 20609

Analytical Information

BTEX, MTBE, NAPH, 1,2DCA by 8260
EDB by 8011

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection		Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	HNO3	H2SO4	NaOH/ZnAc	DI Water	Methanol	BTEX, MTBE, NAPH, 1,2DCA by 8260	EDB by 8011	LAB USE ONLY
13	022261 - MW-13	HOT	7/26/16	1612	CB	GW	5			5						X	X	
14	022261 - MW-14	HOT	7/26/16	1449	ZC	GW	5			5						X	X	
15	022261 - TW-1		7/26/16	0827	CB	GW	5			5						X	X	
16	022261 - TW-2		7/26/16	1057	CB	GW	5			5						X	X	
17	022261 - TW-3		7/26/16	0848	CB	GW	5			5						X	X	
18	022261 - TW-4	HOT	7/26/16	1505	CB	GW	5			5						X	X	
19	022261 - TW-5		7/26/16	1546	CB	GW	5			5						X	X	
20	022261 - TW-6		7/26/16	1214	CB	GW	5			5						X	X	
21	022261 - PW-3		7/26/16	1621	CB	GW	5			5						X	X	
22	022261 - DUP-A	HOT	7/26/16	—	ZC	GW	5			5						X	X	
23	022261 - FIELD BLANK		7/26/16	1631	CB	LIQ	5			5						X	X	
24	022261 - TRIP BLANK		7/26/16	—	—	LIQ	#2			2						X		

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [X] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [X] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

ACCUTEST
2828-C QUEEN CITY DR
CLT NC 28203

Comments / Remarks

SCDHEC UST MANAGEMENT PROGRAM
UST PERMIT # 022261

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Casey D. Buchanan	7/26/16 1730	2 FEDEX	3 FX	7-27-16	4 J. Cooper AM 10:50
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

4.2 4

FA35698: Chain of Custody
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Accutest Laboratories Southeast

Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

SCDHEC FA35698 Accutest JOB # PAGE 3 OF 3

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: GEOLOGICAL RESOURCES, INC.
Address: 3502 HAYES ROAD
City: MONROE State: NC Zip: 28110
Project Contact: SCOTT BALL E-mail: WSB@geologicalresources.com
Phone: 704.845.4010
Sampler(s) Name(s) (Printed): Corey R. Buchanan, ERIC CAMPBELL

Project Information

Project Name: CAROLINA COUNTRY CONVENIENCE
Street: 1908 HIGHWAY 601 NORTH
City: PAGELAND State: SC
Project #: 3289
Fax #: UST PERMIT #02261
Client Purchase Order #: 2068

Analytical Information

Bzs,mns,naph 1,2 dca & cyclohexane by 8260
EDB by 8011

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date	Collection Time	Sampled By	Matrix	Total # of Bottles	Containers: Other	None	HCl	MeOH	HNO3	H2SO4	NaOH+ZnAc	Na2S2O3	NaOH	LAB USE ONLY
25	02261-Dup-B flat	7/26/16		EC	GW	5			5							
	02261-TEMP BLANK	7/26/16		-	LIQ	1		1								

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [x] COMMERCIAL "B" (RESULTS PLUS)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

ACCUTEST 2426-C QUEEN CITY DR CLT NC 28213

Comments / Remarks

SCDHEC UST MANAGEMENT PROGRAM
UST PERMIT # 02261

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 Corey R. Buchanan	7/26/16 1730	2 FED EX	3 FX	7-27-16	4 Cooler (AISA) 10:00
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius:

FA35698: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA35698 CLIENT: 601 PROJECT: 3289

DATE/TIME RECEIVED: 7-27-16 10:00 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 8087 5428 7937

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [X] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [X] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [X] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR 0.0
- [ ] OBSERVED TEMPS: 3.4
- [ ] CORRECTED TEMPS: 3.4 (USED FOR LIMS)

SAMPLE INFORMATION

- [X] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TEST STRIP LOT#s pH 0-3 230315 pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: RECEIVED 2 VIALS EDB PER SAMPLE

TECHNICIAN SIGNATURE/DATE: 7-27-16 REVIEWER SIGNATURE/DATE: 7-27-16

NF 11/15 RECEIPTLOG040416.xls

FA35698: Chain of Custody
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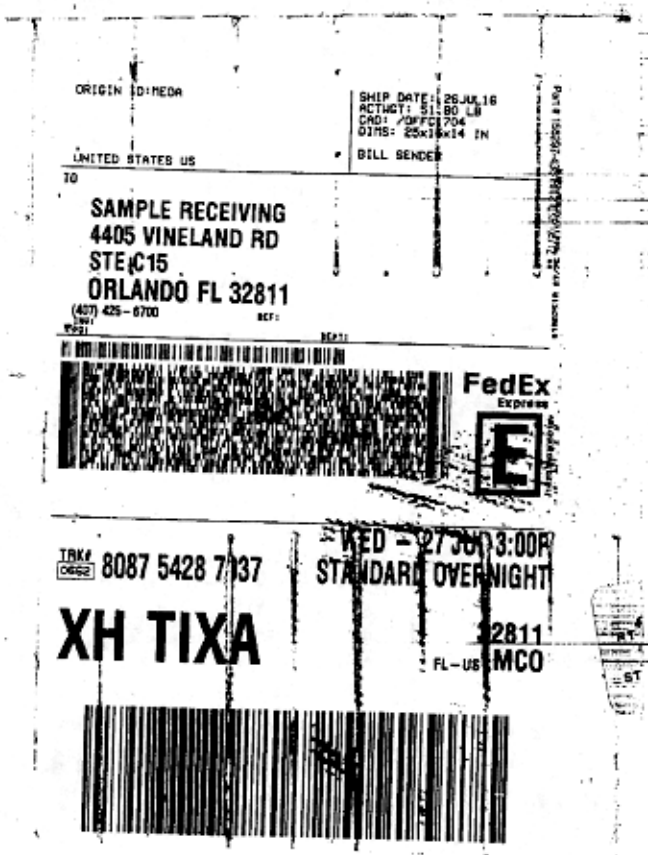

FA35698: Chain of Custody
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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5385-MB	J0978369.D	1	07/29/16	DP	n/a	n/a	VJ5385

The QC reported here applies to the following samples: Method: SW846 8260B

FA35698-1, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	93%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	79-125%
2037-26-5	Toluene-D8	102%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5386-MB	J0978397.D	1	08/01/16	DP	n/a	n/a	VJ5386

The QC reported here applies to the following samples: Method: SW846 8260B

FA35698-1, FA35698-2, FA35698-17, FA35698-18, FA35698-19, FA35698-20, FA35698-21, FA35698-22, FA35698-23, FA35698-24, FA35698-25

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
108-20-3	Di-Isopropyl Ether	ND	1.0	0.23	ug/l	
624-95-3	3,3-Dimethyl-1-Butanol	ND	50	10	ug/l	
64-17-5	Ethyl Alcohol	ND	200	50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.20	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
762-75-4	Tert-Butyl Formate	ND	20	5.0	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	3.0	0.56	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	108%	79-125%
2037-26-5	Toluene-D8	103%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

Method Blank Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5388-MB	J0978428.D	1	08/02/16	DP	n/a	n/a	VJ5388

The QC reported here applies to the following samples: Method: SW846 8260B

FA35698-1, FA35698-22, FA35698-25

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
75-85-4	Tert-Amyl Alcohol	ND	20	6.0	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	20	9.1	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	91%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	107%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Blank Spike Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5385-BS	J0978368.D	1	07/29/16	DP	n/a	n/a	VJ5385

The QC reported here applies to the following samples: Method: SW846 8260B

FA35698-1, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	29.4	118	81-122
107-06-2	1,2-Dichloroethane	25	27.8	111	75-125
108-20-3	Di-Isopropyl Ether	25	26.8	107	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1160	93	55-126
64-17-5	Ethyl Alcohol	500	604	121	46-145
100-41-4	Ethylbenzene	25	27.6	110	81-121
637-92-3	Ethyl Tert Butyl Ether	25	25.8	103	71-120
1634-04-4	Methyl Tert Butyl Ether	25	24.7	99	72-117
91-20-3	Naphthalene	25	25.6	102	63-132
75-85-4	Tert-Amyl Alcohol	250	242	97	65-124
994-05-8	Tert-Amyl Methyl Ether	25	25.4	102	73-122
75-65-0	Tert-Butyl Alcohol	250	254	102	63-129
762-75-4	Tert-Butyl Formate	250	245	98	46-130
108-88-3	Toluene	25	28.4	114	80-120
1330-20-7	Xylene (total)	75	86.6	115	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	79-125%
2037-26-5	Toluene-D8	98%	85-112%
460-00-4	4-Bromofluorobenzene	95%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5386-BS [a]	J0978396.D	1	08/01/16	DP	n/a	n/a	VJ5386

The QC reported here applies to the following samples: Method: SW846 8260B

FA35698-1, FA35698-2, FA35698-17, FA35698-18, FA35698-19, FA35698-20, FA35698-21, FA35698-22, FA35698-23, FA35698-24, FA35698-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	29.0	116	81-122
107-06-2	1,2-Dichloroethane	25	27.6	110	75-125
108-20-3	Di-Isopropyl Ether	25	27.6	110	68-123
624-95-3	3,3-Dimethyl-1-Butanol	1250	1160	93	55-126
64-17-5	Ethyl Alcohol	500	535	107	46-145
100-41-4	Ethylbenzene	25	27.8	111	81-121
637-92-3	Ethyl Tert Butyl Ether	25	26.4	106	71-120
1634-04-4	Methyl Tert Butyl Ether	25	26.5	106	72-117
91-20-3	Naphthalene	25	26.1	104	63-132
75-85-4	Tert-Amyl Alcohol	250	240	96	65-124
994-05-8	Tert-Amyl Methyl Ether	25	26.0	104	73-122
75-65-0	Tert-Butyl Alcohol	250	248	99	63-129
762-75-4	Tert-Butyl Formate	250	288	115	46-130
108-88-3	Toluene	25	27.9	112	80-120
1330-20-7	Xylene (total)	75	87.6	117	80-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	104%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	101%	83-118%

(a) No MS/MSD available for this run.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ5388-BS [a]	J0978429.D	1	08/02/16	DP	n/a	n/a	VJ5388

The QC reported here applies to the following samples: Method: SW846 8260B

FA35698-1, FA35698-22, FA35698-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.7	103	81-122
1634-04-4	Methyl Tert Butyl Ether	25	19.7	79	72-117
91-20-3	Naphthalene	25	22.6	90	63-132
75-85-4	Tert-Amyl Alcohol	250	234	94	65-124
75-65-0	Tert-Butyl Alcohol	250	215	86	63-129
108-88-3	Toluene	25	24.0	96	80-120

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	79-125%
2037-26-5	Toluene-D8	99%	85-112%
460-00-4	4-Bromofluorobenzene	97%	83-118%

(a) No MS/MSD available for this run.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA35698-6MS	J0978390.D	1	07/29/16	DP	n/a	n/a	VJ5385
FA35698-6MSD	J0978391.D	1	07/29/16	DP	n/a	n/a	VJ5385
FA35698-6	J0978375.D	1	07/29/16	DP	n/a	n/a	VJ5385

The QC reported here applies to the following samples: Method: SW846 8260B

FA35698-1, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16

CAS No.	Compound	FA35698-6 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	29.4	118	25	29.6	118	1	81-122/14
107-06-2	1,2-Dichloroethane	ND		25	27.8	111	25	28.0	112	1	75-125/14
108-20-3	Di-Isopropyl Ether	ND		25	27.3	109	25	27.4	110	0	68-123/16
624-95-3	3,3-Dimethyl-1-Butanol	ND		1250	1210	97	1250	1200	96	1	55-126/17
64-17-5	Ethyl Alcohol	ND		500	547	109	500	716	143	27	46-145/30
100-41-4	Ethylbenzene	ND		25	27.6	110	25	28.9	116	5	81-121/14
637-92-3	Ethyl Tert Butyl Ether	ND		25	25.7	103	25	26.3	105	2	71-120/14
1634-04-4	Methyl Tert Butyl Ether	ND		25	25.5	102	25	26.2	105	3	72-117/14
91-20-3	Naphthalene	ND		25	24.1	96	25	26.4	106	9	63-132/25
75-85-4	Tert-Amyl Alcohol	ND		250	227	91	250	214	86	6	65-124/23
994-05-8	Tert-Amyl Methyl Ether	ND		25	24.0	96	25	25.0	100	4	73-122/13
75-65-0	Tert-Butyl Alcohol	ND		250	415	166*	250	419	168*	1	63-129/27
762-75-4	Tert-Butyl Formate	ND		250	14.0	6*	250	12.2	5*	14	46-130/33
108-88-3	Toluene	ND		25	27.5	110	25	27.2	109	1	80-120/14
1330-20-7	Xylene (total)	ND		75	87.2	116	75	87.8	117	1	80-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA35698-6	Limits
1868-53-7	Dibromofluoromethane	98%	100%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	105%	103%	105%	79-125%
2037-26-5	Toluene-D8	98%	100%	106%	85-112%
460-00-4	4-Bromofluorobenzene	98%	95%	104%	83-118%

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61293-MB	CC051517.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-1, FA35698-2, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16, FA35698-17, FA35698-18, FA35698-19, FA35698-20

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	116%	63-137%

Method Blank Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61294-MB	DD88512.D	1	08/02/16	NG	08/01/16	OP61294	GDD2611

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-21, FA35698-22, FA35698-23, FA35698-25

CAS No.	Compound	Result	RL	MDL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	0.010	ug/l	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	107%	63-137%

Blank Spike Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61293-BS	CC051515.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-1, FA35698-2, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16, FA35698-17, FA35698-18, FA35698-19, FA35698-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.29	116	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	121%	63-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61293-BS2	CC051516.D	1	08/03/16	NG	08/01/16	OP61293	GCC1016

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-1, FA35698-2, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16, FA35698-17, FA35698-18, FA35698-19, FA35698-20

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.29	116	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	128%	63-137%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61294-BS	DD88511.D	1	08/02/16	NG	08/01/16	OP61294	GDD2611

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-21, FA35698-22, FA35698-23, FA35698-25

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-93-4	1,2-Dibromoethane	0.25	0.29	116	72-134

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	115%	63-137%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61293-MS	CC051596.D	1000	08/04/16	NG	08/01/16	OP61293	GCC1016
FA35698-1 [a]	CC051595.D	1000	08/04/16	NG	08/01/16	OP61293	GCC1016

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-1, FA35698-2, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16, FA35698-17, FA35698-18, FA35698-19, FA35698-20

CAS No.	Compound	FA35698-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
106-93-4	1,2-Dibromoethane	121		0.242	95.2	-10674* [b]	72-134

CAS No.	Surrogate Recoveries	MS	FA35698-1	Limits
460-00-4	4-Bromofluorobenzene	0% * [c]	0% * [c]	63-137%

(a) All hits confirmed by dual column analysis. Dilution required due to matrix interference.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Outside control limits due to dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61294-MS	DD88515.D	1	08/02/16	NG	08/01/16	OP61294	GDD2611
OP61294-MSD	DD88516.D	1	08/02/16	NG	08/01/16	OP61294	GDD2611
FA35729-2 [a]	DD88514.D	1	08/02/16	NG	08/01/16	OP61294	GDD2611

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-21, FA35698-22, FA35698-23, FA35698-25

CAS No.	Compound	FA35729-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-93-4	1,2-Dibromoethane	0.11		0.23	0.34	100	0.23	0.35	104	3	72-134/28

CAS No.	Surrogate Recoveries	MS	MSD	FA35729-2	Limits
460-00-4	4-Bromofluorobenzene	106%	104%	88%	63-137%

(a) All hits confirmed by dual column analysis.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA35698
Account: GRINCC GRI (Geological Resources Inc.)
Project: Carolina Country Convenience; 1908 Hwy 601 N, Pageland, SC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP61293-DUP	CC051586.D	1	08/04/16	NG	08/01/16	OP61293	GCC1016
FA35698-2	CC051585.D	1	08/04/16	NG	08/01/16	OP61293	GCC1016

The QC reported here applies to the following samples: Method: SW846 8011

FA35698-1, FA35698-2, FA35698-3, FA35698-4, FA35698-5, FA35698-6, FA35698-7, FA35698-8, FA35698-9, FA35698-10, FA35698-11, FA35698-12, FA35698-13, FA35698-14, FA35698-15, FA35698-16, FA35698-17, FA35698-18, FA35698-19, FA35698-20

CAS No.	Compound	FA35698-2 ug/l	Q	DUP ug/l	Q	RPD	Limits
106-93-4	1,2-Dibromoethane	ND		ND		nc	28

CAS No.	Surrogate Recoveries	DUP	FA35698-2	Limits
460-00-4	4-Bromofluorobenzene	120%	113%	63-137%

* = Outside of Control Limits.

APPENDIX B
Field Data Information Sheets

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Y2

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE
County: CHESTERFIELD	Project Manager: SCOTT BALL	Field Personnel: COREY N. BUCHANAN & ZAC CAMPBELL

Well Gauging Information

Well ID:	Total Well Depth (ft.)	Screened Interval (ft.)	Depth to Free Product (ft.)	Depth to Ground water (ft.)	Free Product Thickness (ft.)	Confirmed with Bailer?	Photos Taken ?	Well Pad OK?	Bolts in Well Cover?	Water in Well Vault?
MW-1	35.21	25-35	–	22.02	–	YES	NO	YES	YES	NO
MW-2	41.64	37-42	–	28.67	–	YES	NO	YES	YES	NO
MW-3	41.80	37-42	–	25.09	–	YES	NO	YES	YES	NO
MW-4	41.66	37-42	–	21.87	–	YES	NO	YES	YES	NO
MW-5	41.75	37-42	–	30.63	–	YES	NO	YES	YES	NO
MW-6	34.73	30-35	–	16.69	–	YES	NO	YES	YES	NO
MW-7	33.50	25-30	–	19.88	–	YES	NO	YES	YES	NO
MW-8	29.88	25-30	–	20.15	–	YES	NO	YES	YES	NO
MW-9	32.70	25-30	–	24.18	–	YES	NO	YES	YES	NO
MW-10	35.37	30-35	–	23.42	–	YES	NO	YES	YES	NO
MW-11	34.59	30-35	–	24.00	–	YES	NO	YES	YES	NO
MW-12	35.18	30-35	–	25.88	–	YES	NO	YES	YES	NO
MW-13	34.94	30-35	–	24.74	–	YES	NO	YES	YES	NO

Notes: MW-1, MW-10, MW-11, MW-12, MW-13 HAD ODOR

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

2/2

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE
County: CHESTERFIELD	Project Manager: SCOTT BALL	Field Personnel: COREY N. Bushman & ZAC CAMPBELL

Well Gauging Information

Well ID:	Total Well Depth (ft.)	Screened Interval (ft.)	Depth to Free Product (ft.)	Depth to Ground water (ft.)	Free Product Thickness (ft.)	Confirmed with Bailer?	Photos Taken ?	Well Pad OK?	Bolts in Well Cover?	Water in Well Vault?
MW-14	35.00	25-35	–	27.54	–	YES	No	YES	YES	YES
TW-1	59.07	BGS1-56	–	20.21	–	YES	No	YES	NA	No
TW-2	59.34	51-56	–	21.07	–	YES	No	YES	NA	No
TW-3	56.31	51-56	–	24.13	–	YES	No	YES	NA	No
TW-4	60.00	56-61	–	27.61	–	YES	No	YES	NA	No
TW-5	58.46	56-61	–	23.21	–	YES	No	YES	NA	No
TW-6	66.49	63-68	–	33.65	–	YES	No	YES	NA	No
						–				

Notes: TW-1 THROUGH TW-6 STICK-UP CASING
MW-14, TW-4, TW-5 HAND DUG.

Signature: Corey N. Bushman

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ZAC CAMPBELL, Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI ~~55~~ 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049870	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-1	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): 25 to 35	Total Well Depth (TWD) (ft.): 35.21
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 22.02		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 13.19	1 casing volume (CV = LWC x C) (gals.): 2.11		3 casing volumes (3 x CV) (gals.): 6.33

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.11	4.22	6.33				
Time (military)	1624	1630						1636
PH (s.u.)	5.55	5.46						
Specific Conductivity (µS/cm)	224	234						
Water Temperature (°C)	22.29	21.38						
Turbidity (NTU)	97.4	1000+						
Dissolved Oxygen (mg/L)	1.30	1.07						

Sampling Data

Sampled By: ZAC CAMPBELL, Corey N. Buchanan	Sampling Time: 1636	Duplicate: Y or N	If yes, Duplicate Time: 1636

Notes: ODOR, WATER LEVEL HOLDING DRY @ 2.25 PUMP LB

Signature: Corey N. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ZAC CAMPBELL Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 556~~ (pH, Specific Conductivity, Temperature)	13B100213	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI ~~55~~ 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004060490	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-2	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 37 to 42		Total Well Depth (TWD) (ft.): 41.64
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 28.67		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 12.97	1 casing volume (CV = LWC x C) (gals.): 2.07		3 casing volumes (3 x CV) (gals.): 6.21

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.07	4.14	6.21				
Time (military)	1144	1154	1208	1219				1219
PH (s.u.)	5.64	6.85	5.76	6.03				
Specific Conductivity (µS/cm)	313	398	431	435				
Water Temperature (°C)	21.44	21.44	20.88	23.41				
Turbidity (NTU)	849	1000+	1000+	1000+				
Dissolved Oxygen (mg/L)	2.41	3.23	3.60	3.34				

Sampling Data

Sampled By: ZAC CAMPBELL Corey N. Buchanan	Sampling Time: 1219	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: ___

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date:	Site ID #:	Site Name:	Field Personnel:
07/26/16	02261	Carolina Country Corner	Zac Campbell, Corey N. Buchanan
County:	**Project Manager:**	**General Weather Conditions:**	**Ambient Air Temp (°F):**
Chesterfield	Scott Ball	Sunny	~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 55~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	160400C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID:	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection:
MW-3	2		X Bailer ___ Pump

X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.):	Total Well Depth (TWD) (ft.):
	37 to 42	41.80

Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):
—	25.09	—

Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):	3 casing volumes (3 x CV) (gals.):
16.71	2.67	8.01

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.67	5.31	8.01				
Time (military)	1228	1249	1301					1303
PH (s.u.)	5.41	5.55	4.75					
Specific Conductivity (µS/cm)	108	93	79					
Water Temperature (°C)	21.74	20.53	20.32					
Turbidity (NTU)	21.0	80.3	>1000					
Dissolved Oxygen (mg/L)	4.40	4.62	2.88					

Sampling Data

Sampled By: Zac Campbell, Corey N. Buchanan	Sampling Time: 1303	Duplicate: Y or N	If yes, Duplicate Time:

Notes: DRY, LOWERED PUMP @ 5.50 GAL.

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date:	Site ID #:	Site Name:	Field Personnel:
07/26/16	02261	CAROLINA COUNTRY CONVENIENCE	ZAC CAMPBELL, Corey W. Buchanan
County:	**Project Manager:**	**General Weather Conditions:**	**Ambient Air Temp (°F):**
CHESTERFIELD	SCOTT BALL	Sunny	~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: Y or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11604C049870	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID:	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection:
MW-4	2"		X Bailer ___ Pump

X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 37 to 42	Total Well Depth (TWD) (ft.): 41.66
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 21.87	Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 19.79	1 casing volume (CV = LWC x C) (gals.): 3.16	3 casing volumes (3 x CV) (gals.): 9.48

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.16	6.32	9.48				
Time (military)	1239	1251						1251
PH (s.u.)	5.48	5.80						
Specific Conductivity (µS/cm)	160	130						
Water Temperature (°C)	20.96	22.27						
Turbidity (NTU)	158	71000						
Dissolved Oxygen (mg/L)	3.88	3.76						

Sampling Data

Sampled By: ZAC CAMPBELL, Corey W. Buchanan	Sampling Time: 1251	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: DRY, LIMITED H2O @ 3.75 GAL.

Signature: Corey W. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Corner	Field Personnel: ZAC CAMPBELL, Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: sunny	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049870	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-5	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 37 to 42		Total Well Depth (TWD) (ft.): 41.75
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 30.63		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 11.09	1 casing volume (CV = LWC x C) (gals.): 1.77		3 casing volumes (3 x CV) (gals.): 5.31

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.77	3.54	5.31				
Time (military)	1219	1227						
PH (s.u.)	6.38	6.08						
Specific Conductivity (µS/cm)	132	92						
Water Temperature (°C)	22.07	20.59						
Turbidity (NTU)	20.8	>1000						
Dissolved Oxygen (mg/L)	3.52	3.33						

Sampling Data

Sampled By: ZAC CAMPBELL, Corey N. Buchanan	Sampling Time: 1233	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: Limited Volume, Dry @ 2.75 gal.

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ZAC CAMPBELL Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: ~~X~~ or N	pH 7.0: ~~X~~ or N	pH 10.0: ~~X~~ or N	S.C.: ~~X~~ or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	~~X~~ or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004060490370	0.0 NTU: ~~X~~ or N	1.0 NTU: ~~X~~ or N	10.0 NTU: ~~X~~ or N	

Well Information

Well ID: MW-6	Well Diameter (ft.): 2 11	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 34.73
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 16.69		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 18.04	1 casing volume (CV = LWC x C) (gals.): 2.88		3 casing volumes (3 x CV) (gals.): 8.65

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.88	5.77	8.65				
Time (military)	1343	1356						1406
PH (s.u.)	5.86	5.32						
Specific Conductivity (µS/cm)	654	655						
Water Temperature (°C)	23.00	19.03						
Turbidity (NTU)	18.60	29.7						
Dissolved Oxygen (mg/L)	4.68	3.66						

Sampling Data

Sampled By: ZAC CAMPBELL Corey N. Buchanan	Sampling Time: 1406	Duplicate: Y or ~~N~~	If yes, Duplicate Time: —

Notes: LIMITED Valve, DRY @ 4.75 GAL

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Corner	Field Personnel: ZAC CAMPBELL Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature) 556	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 56 (Dissolved Oxygen) 556	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	160406C49830	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-7	Well Diameter (ft.): 2	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 25 to 30		Total Well Depth (TWD) (ft.): 33.50
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 19.98		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 13.52	1 casing volume (CV = LWC x C) (gals.): 2.17		3 casing volumes (3 x CV) (gals.): 6.52

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.17	4.35	6.52				
Time (military)	0931	0949	1005					1005
PH (s.u.)	5.85	5.33	5.12					
Specific Conductivity (µS/cm)	242	240	248					
Water Temperature (°C)	18.87	18.24	20.00					
Turbidity (NTU)	13.01	117	~~7.65~~					
Dissolved Oxygen (mg/L)	4.59	4.45	4.19					

Sampling Data

Sampled By: ZAC CAMPBELL Corey N. Buchanan	Sampling Time: 1005	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: _____

Signature: Corey N. Buchanan

DHEC 0423 (10/2012)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date:	Site ID #:	Site Name:	Field Personnel:
07/26/16	02261	CAROLINA COUNTRY CONVENIENCE	ZAC CAMPBELL, Corey W. Buchanan
County:	**Project Manager:**	**General Weather Conditions:**	**Ambient Air Temp (°F):**
CHESTERFIELD	SCOTT BALL	SUNNY	~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 55~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI ~~55~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	16040C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID:	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection:
MW-8	2"		X Bailer ___ Pump

X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.):	Total Well Depth (TWD) (ft.):
	25 to 30	39.88

Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):
—	20.15	—
Length of water column (LWC = TWD – DGW) (ft.):	**1 casing volume (CV = LWC x C) (gals.):**	**3 casing volumes (3 x CV) (gals.):**
9.73	1.55	4.66

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.55	3.11	4.66				
Time (military)	1107	1116	1118					1116
PH (s.u.)	4.86	4.82	4.64					
Specific Conductivity (µS/cm)	240	243	234					
Water Temperature (°C)	20.39	19.01	19.95					
Turbidity (NTU)	51.1	77.2	855					
Dissolved Oxygen (mg/L)	5.06	5.70	7.86					

Sampling Data

Sampled By: ZAC CAMPBELL, COREY W. BUCHANAN	Sampling Time: 1116	Duplicate: Y or N	If yes, Duplicate Time:

Notes: DRY / LIMITED volume AFTER 20 gal

Signature: Corey W. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: Zac Campbell, Corey N. Buchanan
County: Chesterfield	Project Manager: Scott Ball	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: Y or N
YSI 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) Hach 2100Q	11604C049870	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID: MW-9	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 25 to 30		Total Well Depth (TWD) (ft.): 32.70
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 24.18		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 8.52	1 casing volume (CV = LWC x C) (gals.): 1.36		3 casing volumes (3 x CV) (gals.):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.36	2.72	4.08				
Time (military)	1055	1105						1105
PH (s.u.)	4.64	5.13						
Specific Conductivity (µS/cm)	88	89						
Water Temperature (°C)	20.70	21.73						
Turbidity (NTU)	484	1000 +						
Dissolved Oxygen (mg/L)	9.40	8.88						

Sampling Data

Sampled By: Zac Campbell, Corey N. Buchanan	Sampling Time: 1105	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: DRY / Limited volume at 1.5 gal.

Signature: Corey N. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/14	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ZAC CAMPBELL, Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: Sunny	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI ~~55~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-10	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 35.37
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 23.42		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 11.95	1 casing volume (CV = LWC x C) (gals.): 1.91		3 casing volumes (3 x CV) (gals.): 5.73

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.91	3.82	5.73				
Time (military)	1405	1414						1417
PH (s.u.)	5.36	5.06						
Specific Conductivity (µS/cm)	353	332						
Water Temperature (°C)	21.35	20.30						
Turbidity (NTU)	516.2	654						
Dissolved Oxygen (mg/L)	2.26	3.46						

Sampling Data

Sampled By: ZAC CAMPBELL, Corey N. Buchanan	Sampling Time: 1417	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: DRY / LIMITED volume @ 2.25 gal ODOR

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Corner	Field Personnel: ZAC CAMPBELL Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 55~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 55 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-11	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 34.59
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 24.00		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 10.59	1 casing volume (CV = LWC x C) (gals.): 1.69		3 casing volumes (3 x CV) (gals.): 5.07

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.69	3.38	5.07				
Time (military)	1554	1600						1605
PH (s.u.)	6.37	5.59						
Specific Conductivity (µS/cm)	296	261						
Water Temperature (°C)	22.44	20.97						
Turbidity (NTU)	37.8	121						
Dissolved Oxygen (mg/L)	0.98	1.45						

Sampling Data

Sampled By: ZAC CAMPBELL Corey N. Buchanan	Sampling Time: 1605	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: DRY / LIMITED Volume AT 20 gal
ODOR !

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Cookeville	Field Personnel: ZAC CAMPBELL Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 85~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
~~YSI 85~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: MW-12	Well Diameter (ft.): 2 (1")	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 30 to 35		Total Well Depth (TWD) (ft.): 35.19
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 25.88		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 9.3	1 casing volume (CV = LWC x C) (gals.): 1.48		3 casing volumes (3 x CV) (gals.): 4.44

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.48	2.96	4.44				
Time (military)	1526	1533						1536
PH (s.u.)	5.89	5.04						
Specific Conductivity (µS/cm)	158	133						
Water Temperature (°C)	21.60	21.22						
Turbidity (NTU)	5.44	857						
Dissolved Oxygen (mg/L)	2.85	3.48						

Sampling Data

Sampled By: ZAC CAMPBELL Corey N. Buchanan	Sampling Time: 1536	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: DRY / LIMITED volume AT 1.75 gal ODOR

Signature: Corey N. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date:	Site ID #:	Site Name:	Field Personnel:
07/26/16	02261	Carolina Country Convenience	Zac Campbell, Corey N. Buchanan
County:	**Project Manager:**	**General Weather Conditions:**	**Ambient Air Temp (°F):**
Chesterfield	Scott Ball	Sunny	~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
~~YSI 52~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) Hach 2100Q	160400C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID:	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection:
MW-13	2"		X Bailer ___ Pump

X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 30 to 35	Total Well Depth (TWD) (ft.): 34.94
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 24.74	Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 10.22	1 casing volume (CV = LWC x C) (gals.): 1.63	3 casing volumes (3 x CV) (gals.): 4.90

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.63	3.27	4.90				
Time (military)	1600	1604	1609					1617
PH (s.u.)	5.73	5.38	5.11					
Specific Conductivity (µS/cm)	250	221	191					
Water Temperature (°C)	22.01	20.57	20.40					
Turbidity (NTU)	40.7	990	>1000					
Dissolved Oxygen (mg/L)	1.34	1.78	1.74					

Sampling Data

Sampled By: Zac Campbell, Corey N. Buchanan	Sampling Time: 1617	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: Limited Vol., DRY @ 3.50 gal. ODOR

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date:	Site ID #:	Site Name:	Field Personnel:
07/26/14	02261	Carolina Country Cookeville	ZAC CAMPBELL Corey W. Buchanan
County:	**Project Manager:**	**General Weather Conditions:**	**Ambient Air Temp (°F):**
CHESTERFIELD	SCOTT BALL	SUNNY	~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11604C049070	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID:	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection:
MW-14	2"		X Bailer ___ Pump

X MW ___ IW ___ RW ___ Other ___ Private WSW ___ Public WSW	Screened Interval (ft.):	Total Well Depth (TWD) (ft.):
	51 to 56	35.00

Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):
—	27.54	—

Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):	3 casing volumes (3 x CV) (gals.):
7.46	1.19	

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.19	2.38	3.57				
Time (military)	~~1428~~ 1432	1446						1449
PH (s.u.)	5.01	4.64						
Specific Conductivity (µS/cm)	142	126						
Water Temperature (°C)	20.21	19.55						
Turbidity (NTU)	1.98	800						
Dissolved Oxygen (mg/L)	2.83	4.32						

Sampling Data

Sampled By: ZAC CAMPBELL Corey W. Buchanan	Sampling Time: 1449	Duplicate: Y or N	If yes, Duplicate Time: 1449

Notes: DRY / LIMITED Volume AT 1.5 gal
Dup-A @ 1449
ODOR

Signature: Corey W. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ZAC CAMPBELL Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 85~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11604C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: TW-1	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 51 to 56		Total Well Depth (TWD) (ft.): 59.07
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 20.21		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 38.36	1 casing volume (CV = LWC x C) (gals.): 6.21		3 casing volumes (3 x CV) (gals.): 18.64

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6.21	12.43	18.64				
Time (military)	0853	0911						0927
PH (s.u.)	6.11	6.04						
Specific Conductivity (µS/cm)	161	140						
Water Temperature (°C)	21.23	19.24						
Turbidity (NTU)	30.5	11.2						
Dissolved Oxygen (mg/L)	9.73	4.38						

Sampling Data

Sampled By: ZAC CAMPBELL Corey N. Buchanan	Sampling Time: 0927	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: LIMITED H2O DRAW @ 8.25 GALLONS.

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ZAC CAMPBELL Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
YSI 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: TW-2	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___Pump
X MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): 51 to 56		Total Well Depth (TWD) (ft.): 59.34
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 21.07		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 38.27	1 casing volume (CV = LWC x C) (gals.): 6.12		3 casing volumes (3 x CV) (gals.): 18.76

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6.12	12.64	18.76				
Time (military)	1009	1024	1042	1058				1058
PH (s.u.)	5.81	5.66	5.69	5.18				
Specific Conductivity (µS/cm)	158	119	105	99				
Water Temperature (°C)	19.59	19.34	19.39	19.61				
Turbidity (NTU)	138	72.5	69.7	132				
Dissolved Oxygen (mg/L)	5.19	7.88	5.68	6.87				

Sampling Data

Sampled By: ZAC CAMPBELL Corey N. Buchanan	Sampling Time: 1058	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: ___

Signature: Corey N. Buchanan

DHEC 0423 (10/2012)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: ZAC CAMPBELL, Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI 50 ~~556~~ (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH2100Q	11004060490370	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: TW-3	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 51 to 56		Total Well Depth (TWD) (ft.): 56.31
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 24.13		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 32.18	1 casing volume (CV = LWC x C) (gals.): 5.14		3 casing volumes (3 x CV) (gals.): 15.42

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.14	10.28	15.42				
Time (military)	0826	0830	0848					0848
PH (s.u.)	6.26	6.23	6.47					
Specific Conductivity (µS/cm)	530	566	186					
Water Temperature (°C)	21.52	21.19	21.75					
Turbidity (NTU)	80.4	505	>1000					
Dissolved Oxygen (mg/L)	1.69	2.08	2.90					

Sampling Data

Sampled By: ZAC CAMPBELL, Corey N. Buchanan	Sampling Time: 0848	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: DRY LIMITED H2O @ 2ND PUR.

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: ZAC CAMPBELL, Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 55~~ 556 (pH, Specific Conductivity, Temperature)	13B100213	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
~~YSI 55~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	160406049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: TW-4	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 55 to 60		Total Well Depth (TWD) (ft.): 60.00
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 27.61		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 32.39	1 casing volume (CV = LWC x C) (gals.): 5.18		3 casing volumes (3 x CV) (gals.): 15.54

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.18	10.36	15.54				
Time (military)	1412	1431	1449	1509				1509
PH (s.u.)	5.83	4.98	5.79	6.04				
Specific Conductivity (µS/cm)	393	4.373	576	584				
Water Temperature (°C)	20.83	19.29	19.71	19.19				
Turbidity (NTU)	189	286	309	243				
Dissolved Oxygen (mg/L)	086	2.70	3.19	4.25				

Sampling Data

Sampled By: ZAC CAMPBELL, COREY N. Buchanan	Sampling Time: 1509	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: ODOR

Signature: Corey N. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date:	Site ID #:	Site Name:	Field Personnel:
07/26/16	02261	CAROLINA COUNTRY CONVENIENCE	ZAC CAMPBELL, Corey W. Buchanan
County:	**Project Manager:**	**General Weather Conditions:**	**Ambient Air Temp (°F):**
CHESTERFIELD	SCOTT BALL	SUNNY	~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100213	pH 4.0: X or N	pH 7.0: X or N	pH 10.0: X or N	S.C.: X or N
YSI ~~55~~ 556 (Dissolved Oxygen)	13B100013	X or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049070	0.0 NTU: X or N	1.0 NTU: X or N	10.0 NTU: X or N	

Well Information

Well ID:	Well Diameter (ft.):	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection:
TW-5	2"		X Bailer ___ Pump

X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 56 to 61	Total Well Depth (TWD) (ft.): 58.46
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 23.21	Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 35.25	1 casing volume (CV = LWC x C) (gals.): 5.64	3 casing volumes (3 x CV) (gals.): 16.92

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.64	11.28	16.92				
Time (military)	1514	1529						1546
PH (s.u.)	6.35	5.37						
Specific Conductivity (µS/cm)	552	528						
Water Temperature (°C)	22.33	20.68						
Turbidity (NTU)	43.8	203						
Dissolved Oxygen (mg/L)	3.46	2.29						

Sampling Data

Sampled By: ZAC CAMPBELL, COREY W. Buchanan	Sampling Time: 1546	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: LIMITED VOL., DRY @ 8 gal.
ODOR

Signature: Corey W. Buchanan

D H E C

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: CAROLINA COUNTRY CONVENIENCE	Field Personnel: ZAC CAMPBELL, Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 85~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI ~~55~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11604C049270	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: TW-6	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, (2" well = 0.16), 4" well = 0.652	Method of Purging/Sample Collection: X Bailer ___ Pump
X MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 63 to 68		Total Well Depth (TWD) (ft.): 66.49
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): 33.65		Free Product Thickness (ft.): —
Length of water column (LWC = TWD – DGW) (ft.): 32.84	1 casing volume (CV = LWC x C) (gals.): 5.25		3 casing volumes (3 x CV) (gals.): 15.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.25	10.50	15.75				
Time (military)	1119	1141	1159	1214				1214
PH (s.u.)	5.58	6.25	6.35	6.41				
Specific Conductivity (µS/cm)	60	126	101	96				
Water Temperature (°C)	27.65	19.67	19.66	19.74				
Turbidity (NTU)	52.8	238	97.4	142				
Dissolved Oxygen (mg/L)	1.25	1.78	3.40	3.03				

Sampling Data

Sampled By: ZAC CAMPBELL, Corey N. Buchanan	Sampling Time: 1214	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: _____

Signature: Corey N. Buchanan

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 07/26/16	Site ID #: 02261	Site Name: CAROLINA CANVAS COMPANY	Field Personnel: ZAC CAMPBELL, Corey N. Buchanan
County: CHESTERFIELD	Project Manager: SCOTT BALL	General Weather Conditions: SUNNY	Ambient Air Temp (°F): ~90°

Quality Assurance

Meter Name	Serial #:	Calibration:			
~~YSI 63~~ 556 (pH, Specific Conductivity, Temperature)	13B100013	pH 4.0: Y or N	pH 7.0: Y or N	pH 10.0: Y or N	S.C.: Y or N
YSI ~~55~~ 556 (Dissolved Oxygen)	13B100013	Y or N			
~~LaMotte~~ (Turbidity) HACH 2100Q	11004C049870	0.0 NTU: Y or N	1.0 NTU: Y or N	10.0 NTU: Y or N	

Well Information

Well ID: PW-3	Well Diameter (ft.): 2"	Conversion Factor (C): 1" well = 0.047, 2" well = 0.16, 4" well = 0.652	Method of Purging/Sample Collection: ___Bailer X Pump
___MW ___IW ___RW ___Other ___ X Private WSW ___Public WSW	Screened Interval (ft.): to NA	Total Well Depth (TWD) (ft.): N/> 200'	
Depth to Free Product (DFP) (ft.): —	Depth to Groundwater (DGW) (ft.): NA	Free Product Thickness (ft.): —	
Length of water column (LWC = TWD – DGW) (ft.):	1 casing volume (CV = LWC x C) (gals.):	3 casing volumes (3 x CV) (gals.):	

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)								1621
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: ZAC CAMPBELL (Corey N. Buchanan)	Sampling Time: 1621	Duplicate: Y or N	If yes, Duplicate Time: —

Notes: FROM WELL HOUSE SPIGOT IN FRONT YARD

Signature: Corey N. Buchanan

APPENDIX C

Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address: CAROLINA COUNTRY CONVENIENCE, 1908 Hwy 601 N., PAGELAND, SC

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 704-845-4010

7. Transporter 2 Company Name: HERR, Inc

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone 910-640-2607

9. Designated Facility Name and Site Address: CWS, 303 S. MAULTSBY ST, WHITEVILLE, NC

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone 910-640-2609

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Reg Petroleum Contact Water		DM	34.54	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Scott Ball for CAROLINA COUNTRY CONVENIENCE

Signature

Date: Month 8 Day 26 Year 16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Corey Buchanan

Signature: Corey N. Buchanan

Date: Month 8 Day 29 Year 16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve Riverbark

Signature: Steve E. Riverbark

Date: Month 8 Day 29 Year 16

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: T Cran Cox

Signature: T Cran Cox

Date: Month 9 Day 2 Year 16

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APPENDIX D

Contractor Checklist

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?	X		
8	Has the regional geology and hydrogeology been described?			X
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?			X
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?			X
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided?	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format?	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	X		
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	X		

Explanation for missing or incomplete information.

dhec
Healthy People Healthy Communities

DEC 27 2017

UST 32 Week DOCKETING

MR MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

Re: **SSWP Directive for MW installation and GWS**
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit # 02261
Release reported October 11, 2012
Monitoring Report received September 1, 2016
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by Geological Resources, Inc. The report documents petroleum chemicals in the soil and groundwater above Risk-Based Screening Levels (RBSLs). The next appropriate scope of work at the site is to install monitoring wells and a complete comprehensive groundwater sampling event.

The monitoring wells to be installed must be paired with a preexisting well. Wells to be paired with monitoring wells MW-1 and wells MW-7 through MW-9 should be 25 feet deep and screened from 15-25 feet. Wells paired with MW-6 and wells MW-11 through MW-14 should be 30 feet deep and screened from 15-30 feet. Wells paired with MW-2 through MW-5 should be 37 feet deep and screened from 15-37 feet. The installation must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP) and in compliance with all applicable regulations. A copy of the UST QAPP is available at http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/.

Your contractor must complete the Site-Specific Work Plan (SSWP) if your contractor has an approved Annual Contractor Quality Assurance Plan (ACQAP). The QAPPA or SSWP and Cost Proposal must be submitted within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. **Please note that approval from DHEC must be issued before work begins.**

Please note that in accordance with R.61-92, Subpart H, Section 280.114, you are required to notify the Division by certified mail within ten (10) days of commencing a voluntary or involuntary proceeding in bankruptcy. State law also requires that an owner/operator or guarantor that files for bankruptcy protection must immediately submit appropriate forms documenting that entity's ability to demonstrate financial responsibility.

On all correspondence regarding this site, please reference UST Permit # 02261. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-0655, fax me at (803) 898-0673, or e-mail me at hofferqm@dhec.sc.gov.

Sincerely,

Quincy Hoffer, Hydrogeologist
Corrective Action and Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: Geological Resources, Inc., 3502 Hayes Road, Monroe, NC 28110
Technical file

Geological Resources, Inc.

January 9, 2018

Mr. Quincy Hoffer
South Carolina Department of Health
And Environmental Control
Underground Storage Tank Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

UST
JAN 11 2018
DIVISION

UST
38
DOCKETING

Re: GRI Proposal No. 18-012
Site Specific Work Plan
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
UST Permit No. 02261
GRI Project No. 3289

Dear Mr. Hoffer:

Attached is a Site Specific Work Plan for approved ACQAP and the associated Assessment Component Cost Agreement for the above referenced site in Pageland, Chesterfield County, South Carolina.

Please contact me at (704) 845-4010 or by e-mail at wsb@geologicalresourcesinc.com if you have questions or comments concerning this matter.

Sincerely,

W. Scott Ball

W. Scott Ball
Senior Project Manager

Enclosures

cc: file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

To: Quincy Hoffer (SCDHEC Project Manager)
From: Scott Ball (Contractor Project Manager)
Contractor: Geological Resources, Inc. UST Contractor Certification Number: 74

Facility Name: Carolina Country Convenience UST Permit #: 02261
Facility Address: 1908 Highway 601 N, Pageland, Chesterfield County, SC
Responsible Party: Mike Wallace, Carolina Country, LLC Phone: (843) 833-0783
RP Address: 1908 Highway 601 N, Pageland, Chesterfield County, SC
Property Owner (if different): Wilson, Inc.
Property Owner Address: PO Box 1839, Lancaster, South Carolina 29721
Current Use of Property: Commercial - Used Car Sales

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier I
- ☐ Tier II
- ☐ Monitoring Well Installation
- ☑ Groundwater Sampling
- ☐ Other
- ☐ GAC

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260B)
- ☑ Oxygenates (8260B)
- ☑ EDB (8011)
- ☐ PAH (8270D)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260B)
- ☐ Mecury (200.8 245.1 or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ Lead
- ☐ RCRA Metals
- ☐ PAH
- ☐ Oil & Grease (9071)
- ☐ TPH-DRO (3550B/8015B)
- ☐ TPH-GRO (5030B/8015B)
- ☐ Grain Size
- ☐ TOC

Air:

- ☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

____ Soil	1 Water Supply Wells	____ Air	2 Field Blank
33 Monitoring Wells	____ Surface Water	3 Duplicate	2 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

# of shallow points proposed: ____ Estimated Footage: ____ feet per point
# of deep points proposed: ____ Estimated Footage: ____ feet per point
Field Screening Methodology: ____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: 13 Estimated Footage: 25 to 37' deep feet per point
# of deep wells: ____ Estimated Footage: ____ feet per point
# of recovery wells: ____ Estimated Footage: ____ feet per point
Comments, if warranted: MWs 15, 16, 17 and 18 paired with MWs 1, 7, 8 and 9 to 25' deep w/15-25' screen
MWs 19, 20, 21, 22 and 23 paired with MWs 6, 11, 12, 13 and 14 to 30' deep w/15-30' screen
MWs 24, 25, 26 and 27 paired with MWs 2, 3, 4 and 5 to 37' w/15-37' Screen

UST Permit #: 02261 Facility Name: Carolina Country Convenience

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 10 days from approval Field Work Completion: 30 days from approval
Report Submittal: 90 days from approval # of Copies Provided to Property Owners: _____

Aquifer Characterization
Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: 6 Tons Purge Water: 220 Gallons
Drilling Fluids: _____ Gallons Free-Phase Product: _____ Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
Sample monitoring wells MW-1 through MW-27 and TW-1 through TW-6. Purge all wells
Two samples will be duplicated. One field blank and one trip blank will be submitted.
Sample water supply well PW-3. Duplicate sample. Submit 1 field blank and one trip blank.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
YES Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDHEC Certification Number: _____
Name of Laboratory Director: _____

YES Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

NA Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement, SCDHEC Form D-3664

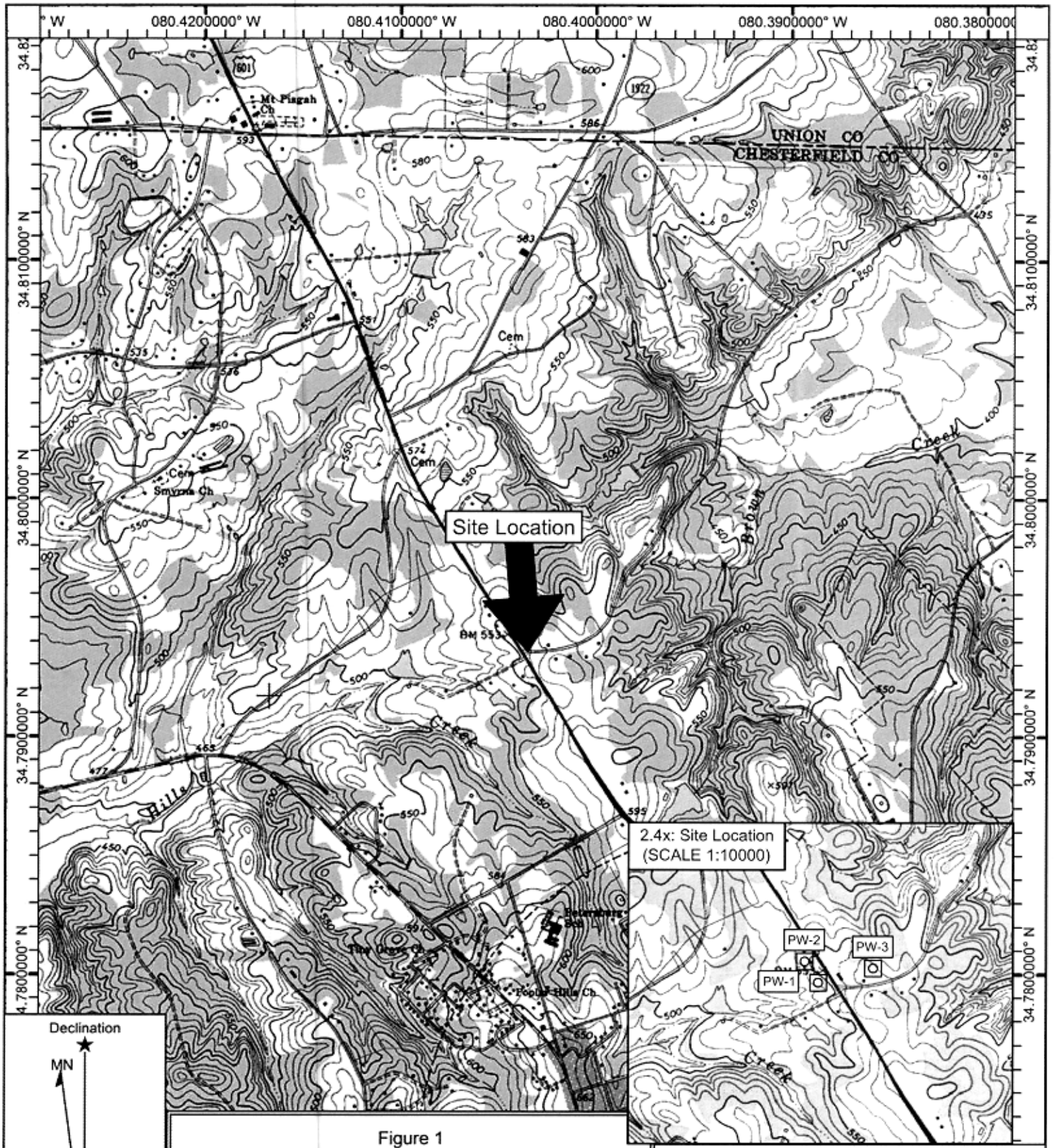


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

Name: Topographic Map
Date: 04/19/16
Scale: 1 inch = 2,000 ft.

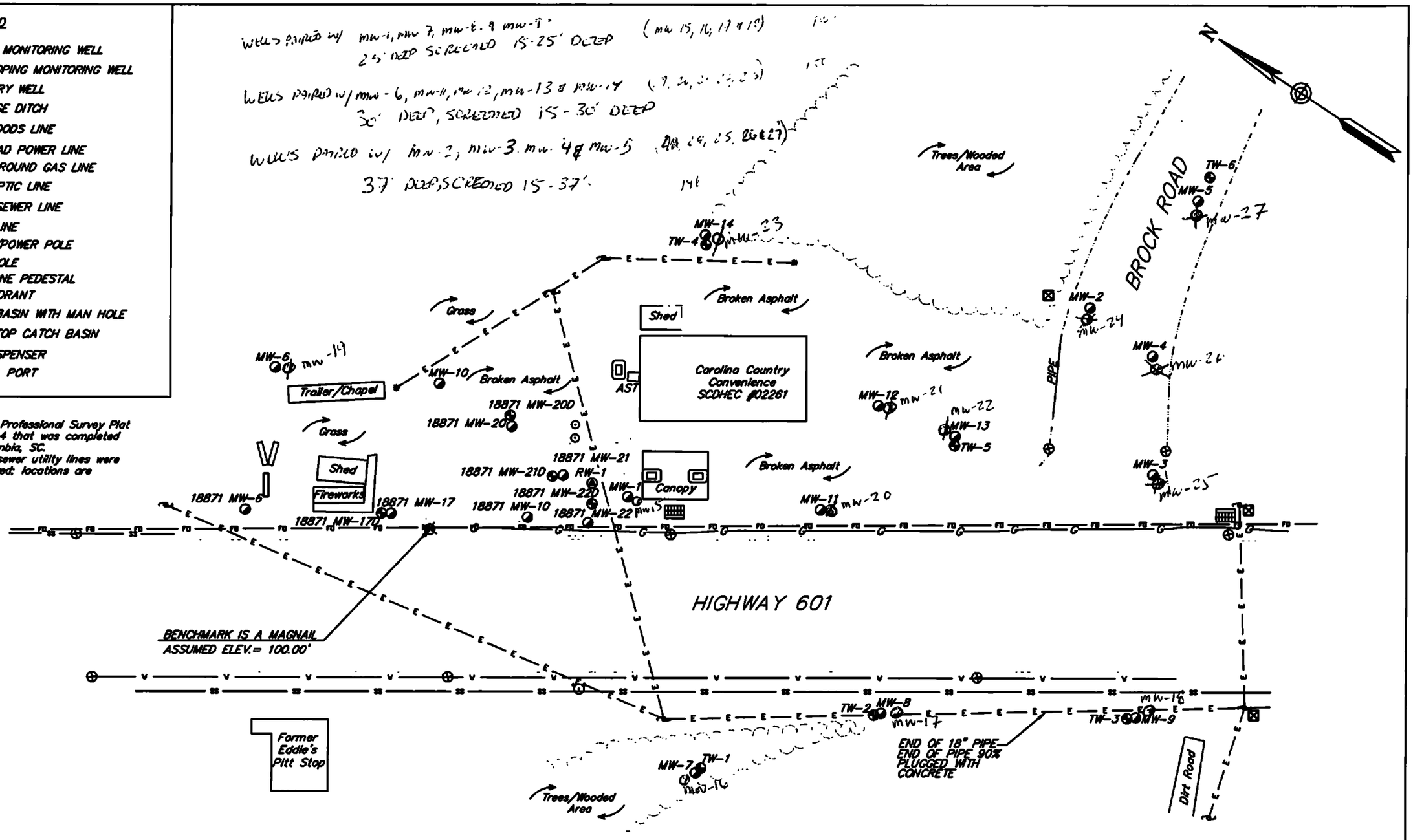
Map Center Location: 034.7940878° N 080.4035483° W

Generated by Geological Resources, Inc.

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100
(IN FEET)
1 inch = 50 ft

SITE MAP

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	08/05/16	Drawn by:	ECH	Figure:	3

N
LEGEND
Water Supply Well
030-000-000-005 Parcel ID Number
Outline of Pond
PW-2
PW-1
030-000-000-003
030-000-000-005
030-000-000-004
030-000-000-007
SITE
PW-3
030-000-000-006
BROCK ROAD
HIGHWAY 601 NORTH
019-000-000-038
030-000-000-008
030-000-000-012
1,000-FT RADIUS
POND
POND
0 100 200 400
Feet
SCALE: 1 INCH = 200 FEET
FIGURE 2
SITE VICINITY MAP
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, CHESTERFIELD COUNTY
SOUTH CAOLINA
UST PERMIT NO. 02261
GRI PROJECT NO. 3289
PREPARED BY:
GEOLOGICAL RESOURCES INC.
AUGUST 5, 2016
Geological Resources, Inc.
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

dhec
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ASSESSMENT COMPONENT COST AGREEMENT
SOUTH CAROLINA
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
June 15, 2017

Facility Name: Carolina Country Convenience

GRI Proposal No. 18-012

UST Permit #: 02261 **Cost Agreement #:**

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
1. Plan Preparation					
A1. Site-specific Work Plan	1	each	$150.00		$150.00
B1. Tax Map		each	$70.00		$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	$250.00		$0.00
2. A1. Receptor Survey *		each	$551.00		$0.00
3. Survey (500 ft x 500 ft)					
A1. Comprehensive Survey		each	$1,040.00		$0.00
B. Subsurface Geophysical Survey					
1B. < 10 meters below grade		each	$1,300.00		$0.00
2B. > 10 meters below grade		each	$2,310.00		$0.00
C1. Geophysical UST or Drum Survey		each	$910.00		$0.00
4. Mob/Demob					
A1. Equipment	1	each	$1,020.00		$1,020.00
B1. Personnel	4	each	$423.00		$1,692.00
C1. Adverse Terrain Vehicle		each	$500.00		$0.00
5. A1. Soil Borings (hand auger)*		foot	$5.00		$0.00
6. Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water ssample, soil sample, soil gas sample, etc.)*					
AA. Standard		per foot	$15.00		$0.00
C1. Fractured Rock		per foot	$20.20		$0.00
7. A1. Soil Leachability Model		each	$60.00		$0.00
8. Abandonment (per foot)*					
A1. 2" diameter or less		per foot	$3.10		$0.00
B1. Greater than 2" to 6" diameter		per foot	$4.50		$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	$15.00		$0.00
9. Well Installation (per foot)*					
A1. Water Table (hand augered)		per foot	$10.60		$0.00
B1. Water Table (drill rig)		per foot	$38.00		$0.00
CC. Telescoping		per foot	$50.00		$0.00
DD. Rock Drilling	398	per foot	$58.00		$23,084.00
E1. 2" Rock Coring		per foot	$30.90		$0.00
G1. Rock Multi-sampling ports/screens		per foot	$33.40		$0.00
HH. Recovery Well (4" diameter)		per foot	$45.00		$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	$15.00		$0.00
J1. Rotosonic (2" diameter)		per foot	$44.00		$0.00
K. Re-develop Existing Well		per foot	$11.00		$0.00
10. Groundwater Sample Collection / Gauge Depth to Water or Product *					
A1. Groundwater Purge	33	per well/receptor	$60.00		$1,980.00
B1. Air or Vapors		per receptor	$12.00		$0.00
C1. Water Supply	1	per well/receptor	$22.00		$22.00
D1. Groundwater No Purge or Duplicate	3	per well/receptor	$28.00		$84.00
E1. Gauge Well only		per well	$7.00		$0.00
F1. Sample Below Product		per well	$12.00		$0.00
G1. Passive Diffusion Bag		each	$26.00		$0.00
H1. Field Blank	2	each	$24.60		$49.20

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I. Groundwater (low flow purge)		per well/receptor	$91.00		$0.00
11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	37	per sample	$122.00		$4,514.00
AA1. Lead, Filtered		per sample	$13.80		$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	$153.60		$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	$36.40		$0.00
D1. PAH's		per sample	$60.60		$0.00
E1. Lead		per sample	$16.00		$0.00
F1. EDB by EPA 8011	36	per sample	$45.20		$1,627.20
FF1. EDB by EPA Method 8011 Rush		per sample	$68.20		$0.00
G1. 8 RCRA Metals		per sample	$63.40		$0.00
H1. TPH (9070)		per sample	$41.00		$0.00
II. pH		per sample	$5.20		$0.00
J1. BOD		per sample	$20.00		$0.00
PP. Ethanol		per sample	$14.80		$0.00
11. Analyses-Drinking Water					
L. BTEXNM+1,2 DCA (524.2)	4	per sample	$124.05		$496.20
M. 7-OXYGENATES & ETHANOL (8260B)	4	per sample	$91.75		$367.00
N. EDB (504.1)	3	per sample	$79.50		$238.50
O. RCRA METALS (200.8)		per sample	$100.00		$0.00
11. Analyses-Soil					
Q1. BTEX + Naphth.		per sample	$64.00		$0.00
R1. PAH's		per sample	$64.04		$0.00
S1. 8 RCRA Metals		per sample	$56.40		$0.00
U1. TPH-DRO (3550C/8015C)		per sample	$40.00		$0.00
V1. TPH- GRO (5030B/8015C)		per sample	$35.96		$0.00
W1. Grain size/hydrometer		per sample	$104.00		$0.00
X1. Total Organic Carbon		per sample	$30.60		$0.00
11. Analyses-Air					
Y1. BTEX + Naphthalene		per sample	$216.00		$0.00
11. Analyses-Free Phase Product					
Z1. Hydrocarbon Fuel Identification		per sample	$357.00		$0.00
12. Aquifer Characterization					
A1. Pumping Test*		per hour	$23.00		$0.00
B1. Slug Test*		per test	$191.00		$0.00
C1. Fractured Rock		per test	$100.00		$0.00
13. A1. Free Product Recovery Rate Test*		each	$38.00		$0.00
14. Fate/Transport Modeling					
A1. Mathematical Model		each	$100.00		$0.00
B1. Computer Model		each	$100.00		$0.00
15. Risk Evaluation					
A. Tier I Risk Evaluation		each	$300.00		$0.00
B1. Tier II Risk Evaluation		each	$100.00		$0.00
16. A1. Subsequent Survey*	1	each	$260.00		$260.00
17. Disposal (gallons or tons)*					
AA. Wastewater	220	gallon	$0.56		$123.20
BB. Free Product		gallon	$0.50		$0.00
C1. Soil Treatment/Disposal	6	ton	$60.00		$360.00
D1. Drilling fluids		gallon	$0.42		$0.00
18. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
20. Tier I Assessment (Use DHEC 3665 form)		standard			$0.00
21. IGWA (Use DHEC 3666 form)		standard			$0.00
22. Corrective Action (Use DHEC 3667 form)		PFP Bid			$0.00

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DIVISION

23. Aggressive Fluid & Vapor Recovery (AFVR)					
A1. 8-hour Event*		each	$1,375.00		$0.00
AA. 24-hour Event*		each	$3,825.00		$0.00
A3. 48-hour Event*		each	$6,265.00		$0.00
A4. 96-hour Event*		each	$12,567.50		$0.00
C1. Off-gas Treatment 8 hour		per event	$122.50		$0.00
C2. Off-gas Treatment 24 hour		per event	$241.50		$0.00
C3. Off-gas Treatment 48 hour		per event	$327.00		$0.00
C4. Off-gas Treatment 96 hour		per event	$780.00		$0.00
D. Site Reconnaissance		each	$203.25		$0.00
E1. Additional Hook-ups		each	$25.75		$0.00
F1. Effluent Disposal		gallon	$0.44		$0.00
G. AFVR Mobilization/Demobilization		each	$391.50		$0.00
24. Granulated Activated Carbon (GAC) filter system installation & service:					
A1. New GAC System Installation*		each	$1,900.00		$0.00
BB. Refurbished GAC Sys. Install*		each	$900.00		$0.00
C1. Filter replacement/removal*		each	$350.00		$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	$275.00		$0.00
E1. GAC System housing*		each	$250.00		$0.00
F. In-line particulate filter		each	$150.00		$0.00
G1. Additional piping & fittings		foot	$1.50		$0.00
25. Well Repair					
A1. Additional Copies of the Report Delivered		each	$50.00		$0.00
B1. Repair 2x2 MW pad*		each	$50.00		$0.00
C1. Repair 4x4 MW pad*		each	$88.00		$0.00
D1. Repair well vault*		each	$118.00		$0.00
F1. Replace well cover bolts		each	$2.60		$0.00
G. Replace locking well cap & lock		each	$15.00		$0.00
H1. Replace/Repair stick-up*		each	$134.00		$0.00
I1. Convert Flush-mount to Stick-up*		each	$150.00		$0.00
J1. Convert Stick-up to Flush-mount*		each	$130.00		$0.00
K1. Replace missing/illegible well ID plate		each	$12.00		$0.00
Report Prep & Project Management	12%	percent	$36,067.30		$4,328.08
TOTAL					$40,395.38

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JAN 11 2018
DIVISION

DHEC 2495 6-2017 *The appropriate mobilization cost can be added to complete these tasks, as necessary

dhec
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FEB 0 5 2018

MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

Re: **Monitoring Well Installation and Directive**
Carolina Country Convinience, 1908 Highway 601 North Pageland, SC
UST Permit #02261; CA #56186; MWA #UMW-26855
Release Reported October 11, 2012
Site-Specific Work Plan and cost proposal received January 11, 2018
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site-Specific Work Plan (SSWP) submitted by Geological Resources, Incorporated. All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP Geological Resouce's approved SSWP and Annual Contractor Quality Assurance Plan (ACQAP), and in compliance with all applicable regulations. A copy of the current revision of the UST QAPP is available at http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/

The assessment should begin immediately upon receipt of this letter. A monitoring well approval has been enclosed for the monitoring well installation. **Cost agreement # 56186 has been approved for the amount shown on the enclosed cost agreement form.** Please note the following changes to the cost agreement and SSWP:

- Item 10 A1 – 13 Groundwater Purges have been removed from the cost agreement.
- Item 10 D1 – 13 Groundwater No Purges were added to the cost agreement.

The Contractor must provide the UST Project Manager with a Project Status Report on a weekly basis via e-mail or notify the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes.

The Assessment report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the Division within ninety (90) days of the date of this correspondence. The report submitted at the completion of these activities should include the required information outlined in the UST QAPP.

Geological Resources, Inc., can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the Division is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the Division for the cost to be paid. The Division reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, the Division reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by an DHEC-certified site rehabilitation contractor as required by R.61-98.

The Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit #02261. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-0655, fax me at (803) 898-0673, or e-mail me at hofferqm@dhec.sc.gov.

Sincerely,

Quincy Hoffer, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement (ACA)
Monitoring Well Approval (MWA)

cc: Geological Resources, Inc., 3502 Hayes Rd., Monroe, NC 28110 (w/enc.)
Technical file (with enc.)

Healthy People Healthy Communities.

Monitoring Well Approval

Approval is hereby granted to:	Geological Resources, Inc.
(on behalf of):	Carolina Country LLC
Facility:	Carolina Country Convenience, 1908 Hwy. 601 N., Pageland, SC
UST Permit Number:	02261
County:	Chesterfield

This approval is for the installation of thirteen shallow groundwater monitoring wells. The monitoring wells are to be installed in the approved locations. Monitoring wells are to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the Division shall be completed and submitted to the Division within 30 days after well completion or abandonment unless another schedule has been approved by the Division. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
4. All analytical data and water levels obtained from each monitoring well shall be submitted to the Division within 30 days of receipt of laboratory results unless another schedule has been approved by the Division as required by R.61-71.H.1.d.
5. If any of the information provided to the Division changes, notification to Quincy Hoffer, the project manager (tel: (803) 898-0655 or e-mail: hofferqm@scdhec.sc.gov) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.
7. Division approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated May 27, 2016. A copy of this approval should be on the site during well installation.

Date of Issuance: January 22, 2018 **Approval #: UMW-26855**

Quincy Hoffer, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Approved Cost Agreement 56186

Facility: 02261 CAROLINA COUNTRY CONVENIENCE
HOFFERQM
PO Number.

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
01 PLAN					
		A1 SITE SPECIFIC WORK PLAN	1.0000	$150.000	150.00
04 MOB/DEMOB					
		A1 EQUIPMENT	1.0000	$1,020 000	1,020.00
		B1 PERSONNEL	4.0000	$423.000	1,692 00
09 WELL INSTALLATION					
		DD ROCK DRILLING	398.0000	$58.000	23,084.00
10 SAMPLE COLLECTION					
		A1 GROUNDWATER (PURGE)	20.0000	$60.000	1,200 00
		C1 WATER SUPPLY	1.0000	$22 000	22.00
		D1 GROUNDWATER NO PURGE/DUPLICATE	16 0000	$28.000	448.00
		H1 FIELD BLANK	2.0000	$24.600	49.20
11 ANALYSES					
	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	37.0000	$122.000	4,514.00
		F1 EDB BY 8011	36 0000	$45.200	1,627.20
	WATER DRINKING WATER	L BTEXNM+1,2 DCA (524.2)	4.0000	$124.050	496 20
		M 7-OXYGENATES & ETHANOL (8260B)	4.0000	$91.750	367.00
		N EDB (504.1)	3.0000	$79.500	238.50
16 SUBSEQUENT SURVEY					
		A1 SUBSEQUENT SURVEY	1.0000	$260.000	260.00
17 DISPOSAL					
		AA WASTEWATER	220.0000	$0.560	123.20
		C1 SOIL TREATMENT DISPOSAL	6.0000	$60.000	360.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0.1200	$35,651.300	4,278.16
				Total Amount	39,929 46

Geological Resources, Inc.

May 17, 2018

Mr. Quincy Hoffer
SCDHEC
UST Management Division
Bureau of Land & Waste Management
2600 Bull Street
Columbia, SC 29201

Re: Ground Water Assessment Report
April 2018
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County, South Carolina
UST Permit Number: 02261
GRI Project No: 3289

Dear Mr. Hoffer,

Please find enclosed the referenced report for the above mentioned site.

If you have any questions, please do not hesitate to contact Scott Ball at (704) 845-4010.

Sincerely,
Geological Resources, Inc.

Leslie Maxtone-Graham
Administrative Assistant

Enclosure

cc: Mr. Mike Wallace; Carolina Counrty, LLC, file

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

GROUND WATER ASSESSMENT REPORT
APRIL 2018
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, SOUTH CAROLINA
CHESTERFIELD COUNTY
UST PERMIT NUMBER: 02261
GRI PROJECT NUMBER: 3289

Prepared for:

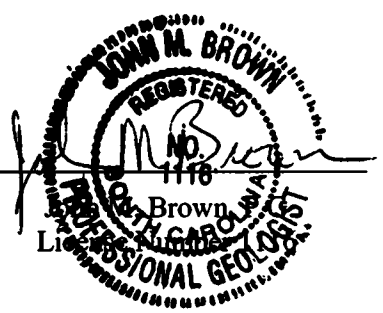
Michael Wallace
Carolina Country LLC
1908 Highway 601 North
Pageland, South Carolina 29728

Prepared by:

Geological Resources, Inc.
3502 Hayes Road
Monroe, North Carolina 28110
Class 1 UST Site Rehabilitation Contractor # 74

May 17, 2018

Scott Ball
Project Manager



John M. Brown
License Number

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Figure 3: Site Map
Figure 4: Potentiometric Surface Map – Shallow Wells (04/10/18)
Figure 5: Potentiometric Surface Map – Intermediate Wells (04/10/18)
Figure 6: Potentiometric Surface Map – Telescoping Wells (04/10/18)
Figure 7: Ground Water Quality Map – Shallow Wells (04/10/18 – 04/11/18)
Figure 8: Ground Water Quality Map – Intermediate Wells (04/10/18 – 04/11/18)
Figure 9: Ground Water Quality Map – Telescoping Wells (04/10/18 – 04/11/18)

TABLES

Table 1: Summary of Ground Water Elevation Data
Table 2: Summary of Ground Water Analytical Results – Chemicals of Concern
Table 3: Summary of Ground Water Analytical Results – Oxygenates

APPENDICES

Appendix A: Subsurface Logs and Water Well Construction Records
Appendix B: Well Development Data Verification Forms
Appendix C: Laboratory Analytical Report – Ground Water Samples
Appendix D: Ground Water Sampling Field Data Information Sheets
Appendix E: Disposal Manifest
Appendix F: Contractor Checklist

1.0 INTRODUCTION

This report presents the results of the monitoring well installation and ground water sampling activities conducted in April 2018 at the Carolina Country Convenience site located at 1908 Highway 601 North, Pageland, Chesterfield County, South Carolina (**Figure 1** and **Figure 2**). The activities were conducted in accordance with the "Monitoring Well Installation and Groundwater Sampling Directive" dated February 5, 2018, from the South Carolina Department of Health and Environmental Control (SCDHEC). The purpose of the activities was to install additional monitoring wells to delineate the petroleum contamination plume in the vertical and horizontal directions and to obtain current ground water quality data for the site. The site is currently operating as convenience store and restaurant/petroleum retail facility/used auto sales called Carolina Country Convenience. The area surrounding the site is mixed use to include residential, agricultural and limited business. Three gasoline underground storage tanks (USTs) and associated piping and dispensers are currently in operation at the site.

A release (#1) from the UST system was reported at the site on September 30, 2008 and closed with a notice of No Further Action on November 6, 2008. A second release was reported at the site on October 11, 2012. An Initial Ground Water Assessment (IGWA) report documenting site assessment activities was submitted to the SCDHEC in October 2013. Based on the IGWA report, both soil and ground water samples exhibited levels of chemicals of concern (COCs) above the Risk Based Screening Levels (RBSLs). Fourteen Type III monitoring wells (MW-1 through MW-14) and six telescoping wells (TW-1 through TW-6) were installed during previous assessment activities conducted at the site. The last comprehensive ground water sampling event was conducted at the site in July 2016. Three water supply wells were identified within 1,000 feet of the source area during a receptor survey conducted in November 2014 as part of the Tier II assessment. Municipal water is provided to all properties in the area. The former Eddies Pitt Stop facility (UST Permit # 18871) is located across Highway 601 on the adjacent property to the west of the subject site. A release was reported for this facility in August 2002. The release is currently being monitored by the SCDHEC. This report summarizes the April 2018 ground water assessment activities for the Carolina Country Convenience site.

2.0 FACILITY INFORMATION

- **Facility Name:** Carolina Country Convenience
- **Location:** 1908 Highway 601 North
  Pageland, Chesterfield County, SC 29728

- **UST Permit No.** 02261
- **Land Use:** Commercial
- **Property Owner:** Wilson, Inc.
  Post Office Box 1839
  Lancaster, SC 29721
  (803) 283-8468
- **UST Owner/Operator:** Carolina Country Convenience
  1908 Highway 601 N.
  Pageland, SC 29728
  (843) 672-5527
- **Site Rehabilitation Contractor:** Geological Resources, Inc.
  3502 Hayes Road
  Monroe, North Carolina 28110
  (704) 845-4010
  Class 1, Certification Number 74
- **Drilling Contractor** Geological Resources, Inc.
  3502 Hayes Road
  Monroe, North Carolina 28110
  (704) 845-4010
  Corey Buchanan 2202B
  Certification Number 1857-B
- **Laboratory:** SGS North America, Inc.
  4405 Vineland Road, Suite C-15
  Orlando, FL 32811
  (407) 425-6700
  State Certification Number: 96038001

Release Information:

- **Date Discovered:** October 11, 2012
- **Estimated Amount of Release:** Unknown
- **Source of Release:** Leaking UST System
- **UST Size/Contents:** One 10,000-gallon gasoline UST, and two 6,000-gallon gasoline USTs, associated piping, and dispensers
- **Latitude:** 34.7940878° North **Longitude:** 80.4035483° West

3.0 WELL INSTALLATION

On April 4 and 5, 2018, thirteen Type III monitoring wells (MW-15 through MW-27) were installed at the site in locations previously specified by the SCDHEC project manager. All the Type III wells were

installed using a drill rig using the auger method. Subsurface materials encountered during drilling operations were red to brown silts and clays. Monitoring wells MW-15 through MW-18 were installed to total depths of 25 feet each and completed with a 10-foot screened interval set to bracket the water table surface, however MW-18 was only installed to a depth of 24 feet. Monitoring wells MW-19 through MW-23 were installed to total depths of 30 feet each and completed with a 15-foot screened interval. Monitoring wells MW-24 through MW-27 were installed to total depths of 37 feet each and completed with a 25-foot screened interval set to bracket the water table surface. The wells were developed by a submersible pump subsequent to installation. The top of casing elevations for all newly installed monitoring wells located at the site were surveyed on April 13, 2018. The locations of the monitoring wells are shown on **Figure 3**. Subsurface boring logs and water well construction records for the monitoring wells installed in April 2018 have been included as **Appendix A**. Well Development Data Verification Forms for the development of monitoring wells in April 2018 have been included as **Appendix B**. A disposal manifest for soil generated during the well installation activities has been included as **Appendix E**.

4.0 GROUND WATER QUALITY

Twenty-seven Type III monitoring wells (MW-1 through MW-27) and six telescoping wells (TW-1 through TW-6) were gauged, purged and sampled between April 10 and 11, 2018. Water supply well PW-3 was also sampled on April 10, 2018. The depths to ground water in the Type III monitoring wells during the April 2018 gauging event ranged from 11.33 to 28.12 feet below the top of casings. Ground water elevations in the Type III monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from 78.30 to 84.65 feet. Based on this data, the general direction of shallow (MW-15 to MW-27) ground water flow was toward the north-northwest. The average horizontal hydraulic gradient was approximately 0.024 feet/foot between monitoring wells MW-19 and MW-15. The general direction of the intermediate (MW-1 to MW-14) ground water flow was towards the south with an average horizontal hydraulic gradient that was approximately 0.007 feet/foot between monitoring wells MW-3 and MW-10. The depths to ground water in the telescoping monitoring wells during the April 2018 gauging event ranged from 15.51 to 28.46 feet below the top of casings. Ground water elevations in the telescoping monitoring wells relative to a temporary benchmark with an assumed datum of 100.00 feet ranged from 81.23 to 82.37 feet. Based on this data, the general direction of ground water flow in the telescoping wells was west-northwest. The vertical hydraulic gradients calculated for paired Type III wells and telescoping wells ranged from 0.431 feet per foot downward for MW-27/TW-6 to

0.002 feet per foot upward for MW-13/TW-5. In general, the vertical gradient was downward across the site with the exception of paired wells MW-13/TW-5. A Site Vicinity Map showing the location of water supply well PW-3 has been included as **Figure 2**. A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 3**. Potentiometric Surface Maps based on the April 10, 2018 data for the shallow (MW-15 to MW-27) Type III monitoring wells, intermediate (MW-1 to MW-14) Type III monitoring wells, and telescoping wells have been included as **Figures 4** through **6**, respectively. Summaries of ground water elevation data for the April 10, 2018 gauging event are presented in **Table 1**.

Laboratory analyses were performed on the ground water samples collected from the monitoring wells during the April 2018 sampling event for BTEX, MTBE, 1,2-DCA, naphthalene and eight (8) oxygenates using EPA Method 8260 and EDB using EPA Method 8011. Ground water samples collected from one water supply well (PW-3) were submitted for laboratory analyses including BTEX, MTBE, naphthalene and 1, 2-DCA by EPA Method 524.2, 8 oxygenates by EPA Method 8260 and EDB using EPA Method 504.1. Concentrations of one or more BTEX constituents, MTBE, naphthalene, 1,2-DCA and/or EDB that exceeded the risk based screening levels (RBSLs) were reported in the ground water samples collected from MW-1, MW-4, MW-11 through MW-15, MW-20 through MW-23 and TW-4. Concentrations of oxygenates that exceeded the action levels were reported in the ground water samples collected from MW-1, MW-11 through MW-15, MW-20 through MW-23 and TW-4. No detectable concentrations of requested method constituents were reported for the sample collected from water supply well PW-3. Ground Water Quality Maps based on data from the April 2018 sampling event have been included as **Figures 7, 8** and **9**. Summaries of ground water sample analytical results are presented in **Tables 2** and **3**. A complete laboratory analytical report is attached as **Appendix C**. Ground water gauging and sampling field data information sheets have been included as **Appendix D**. A disposal manifest for purge water generated during the sampling activities has been included as **Appendix E**.

5.0 QA/QC

Monitoring well installation, development, gauging, purging and sampling were conducted in general accordance with the SCDHEC Programmatic QAPP and the approved site specific Contractor Addendum. All sampling equipment (hand augers, split spoons, discrete water samplers and down-hole drilling equipment) were properly decontaminated between each sampling location. All new wells were developed using a decontaminated submersible pump between each well. All wells were sampled with dedicated disposable bailers. All field measurement equipment was properly decontaminated between

sampling locations. Duplicate samples from monitoring wells MW-14 (DUP A), MW-21 (DUP B) and water supply well PW-3 (DUP C) and field blanks were collected during the sampling activities. Laboratory supplied trip blanks were included in the sample cooler. Laboratory results for MW-14 and MW-14 DUP A, MW-21 and MW-21 DUP B, and PW-3 and PW-3 DUP C showed the same compounds at similar concentrations, with the exception of toluene in MW-21 DUP B which was not detected. No detectable concentrations of requested method constituents were reported in water supply well sample PW-3, PW-3 DUP C, field blanks or trip blanks. All applicable items on the Contractor Checklist were reviewed and verified. A copy of the Contractor Checklist is included as **Appendix F**.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- Thirteen Type III monitoring wells were installed at the site between April 4 and 5, 2018. Top of casing elevations were measured for the newly installed monitoring wells on April 13, 2018.
- Twenty-seven Type III monitoring wells and six telescoping wells were gauged, purged and sampled on April 10 and 11, 2018. Water supply well PW-3 was also sampled on April 10, 2018.
- No measurable amount of free product was detected in any of the monitoring wells or telescoping wells at the site.
- Shallow and deep ground water flow was toward the north. Intermediate ground water flow was toward the south. The vertical hydraulic gradient was generally downward.
- Concentrations of one or more BTEX constituents, MTBE, naphthalene, 1,2-DCA and/or EDB that exceeded the RBSLs were reported in the ground water samples collected from MW-1, MW-4, MW-11 through MW-15, MW-20 through MW-23 and TW-4. Concentrations of oxygenates that exceeded the action levels were reported in the ground water samples collected from MW-1, MW-11 through MW-15, MW-20 through MW-23 and TW-4.
- No detectable concentrations were reported for the samples collected from water supply well PW-3.
- GRI makes the following recommendations:
    - Ground water sampling at the site should continue as directed by the SCDHEC.

7.0 LIMITATIONS

This report has been prepared for the exclusive use of Mr. Michael Wallace, the owner and operator of the Carolina Country Convenience facility and the SCDHEC for specific application to the referenced site in

Chesterfield County, South Carolina. The activities were conducted based on the scope of work and level of effort specified by the SCDHEC and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of geology and hydrogeology practices in the State of South Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data. Please note that certain information contained in this report was not obtained under the direct supervision of GRI personnel. Therefore, GRI cannot verify the accuracy of this information. However, for the purpose of this report, GRI assumes the information is correct.

FIGURES

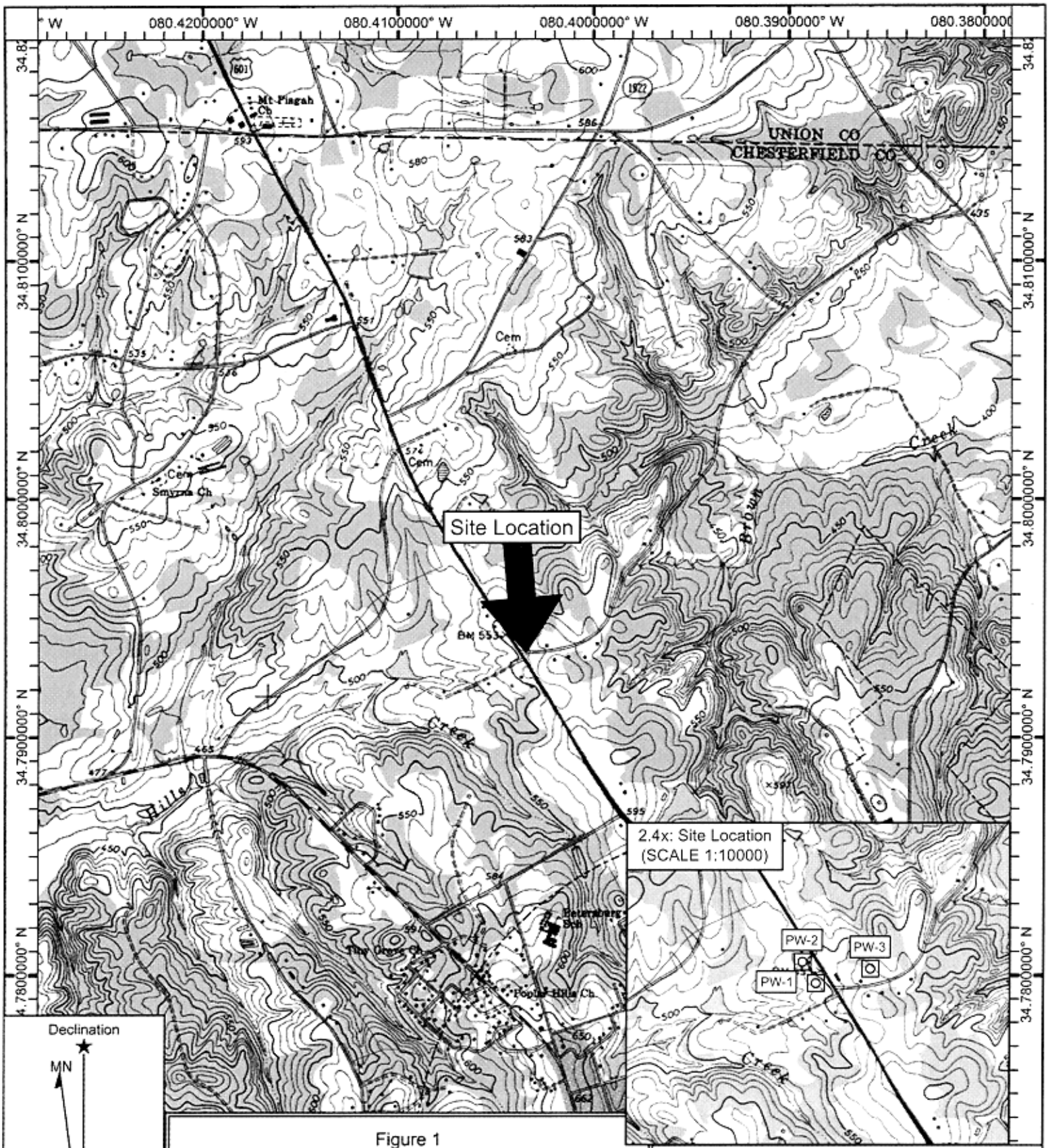


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

Name: Topographic Map
Date: 04/19/16
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7940878° N 080.4035483° W

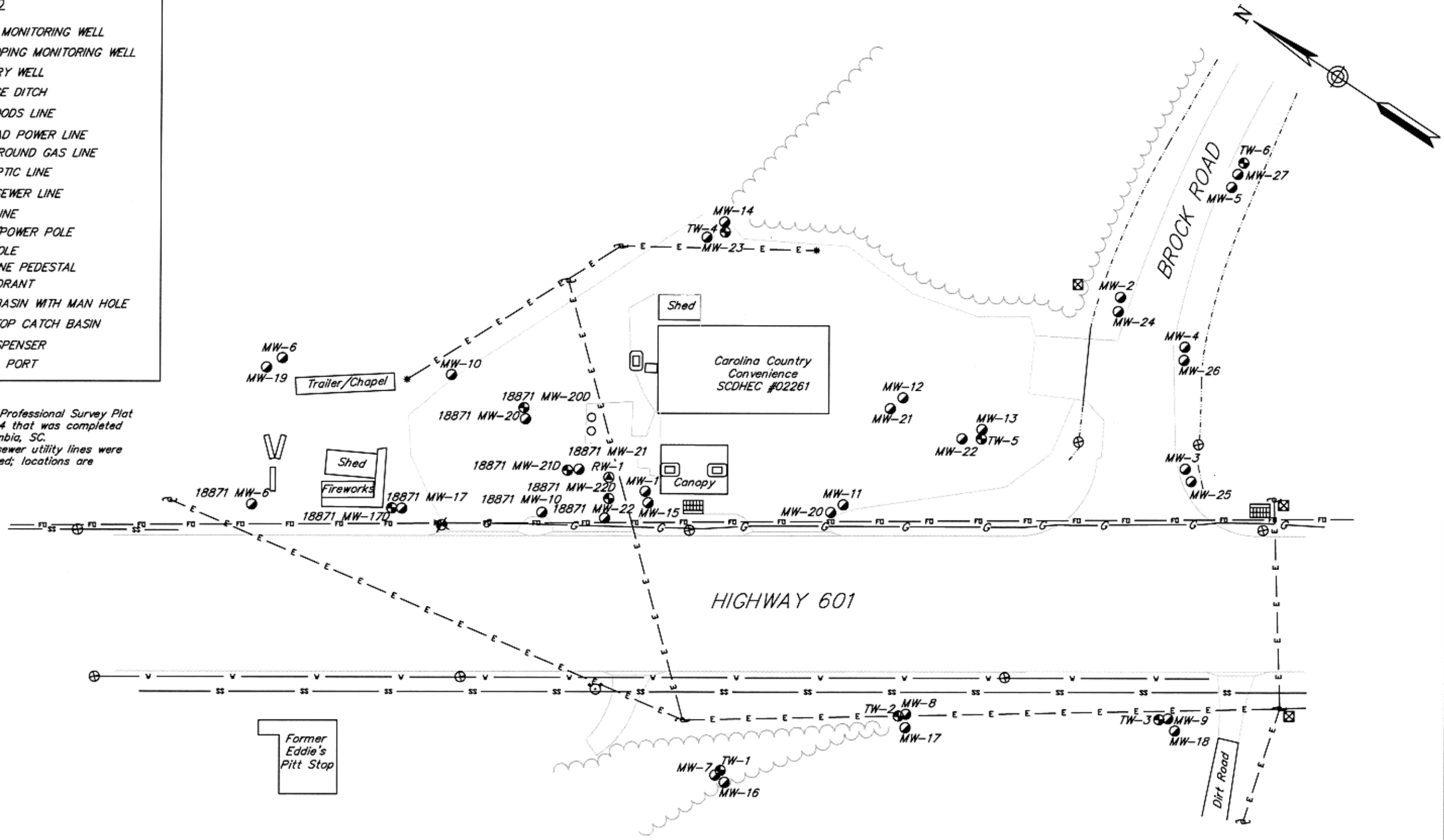
Generated by Geological Resources, Inc.

N
LEGEND
Water Supply Well
030-000-000-005
Parcel ID Number
Outline of Pond
PW-2
PW-1
030-000-000-003
030-000-000-005
030-000-000-004
030-000-000-007
PW-3
SITE
030-000-000-006
BROCK ROAD
HIGHWAY 601 NORTH
019-000-000-038
030-000-000-008
030-000-000-012
1,000-FT RADIUS
POND
POND
0
100
200
400
Feet
SCALE: 1 INCH = 200 FEET
FIGURE 2
SITE VICINITY MAP
CAROLINA COUNTRY CONVENIENCE
1908 HIGHWAY 601 NORTH
PAGELAND, CHESTERFIELD COUNTY
SOUTH CAOLINA
UST PERMIT NO. 02261
GRI PROJECT NO. 3289
PREPARED BY:
GEOLOGICAL RESOURCES INC.
AUGUST 5, 2016
Geological Resources, Inc.
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

Note:
1. This Map is based on a Professional Survey Plat dated December 17, 2014 that was completed by Jay S. Joshi of Columbia, SC.
2. Fiber optic, water, and sewer utility lines were not professionally surveyed; locations are approximate.



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

SITE MAP

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	04/24/18	Drawn by:	DTH	Figure:	3

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- E — E — OVERHEAD POWER LINE
- G — UNDERGROUND GAS LINE
- FO — FIBER OPTIC LINE
- SS — STORM SEWER LINE
- W — WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 82 (76.53) POTENTIOMETRIC SURFACE CONTOUR GROUND WATER ELEVATION (FT.)

N

BROCK ROAD

HIGHWAY 601

Carolina Country Convenience SCDHEC #02261

Shed

Canopy

Shed

Firewarks

Trailer/Chapel

Former Eddie's Pitt Stop

Dirt Road

MW-1
MW-2
MW-24 (81.97)
MW-3
MW-25 (82.25)
MW-4
MW-26 (82.26)
MW-5
TW-6
MW-27 (81.83)
MW-6
MW-19 (78.30)
MW-7
TW-1
MW-16 (81.45)
MW-8
TW-2
MW-17 (83.99)
MW-9
TW-3
MW-18 (80.81)
MW-10
MW-11
MW-20 (82.34)
MW-12
MW-21 (82.41)
MW-13
TW-5
MW-22 (82.30)
MW-14
TW-4
MW-23 (82.27)
MW-15 (83.06)
18871 MW-6
18871 MW-17
18871 MW-17D
18871 MW-10
18871 MW-20
18871 MW-20D
18871 MW-21
18871 MW-21D
RW-1
18871 MW-22D
18871 MW-22

79 80 81 82 83

0 25 50 100
(IN FEET)
1 inch = 50 ft

Geological Resources, Inc.

POTENTIOMETRIC SURFACE MAP – SHALLOW WELLS (04/10/18)

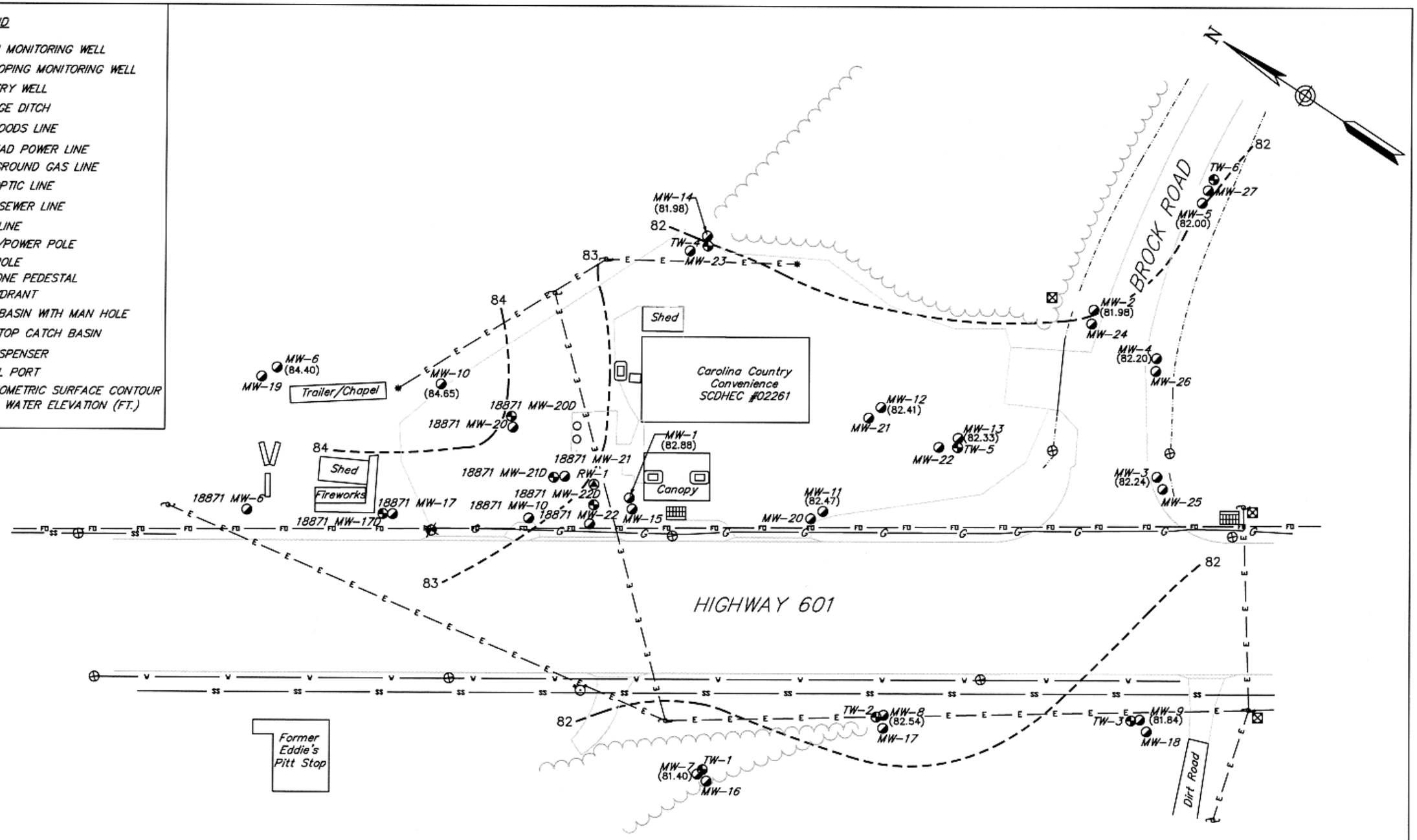
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	05/08/18	Drawn by:	DTH	Figure:	4

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 82 (76.53) POTENTIOMETRIC SURFACE CONTOUR GROUND WATER ELEVATION (FT.)



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

POTENTIOMETRIC SURFACE MAP – INTERMEDIATE WELLS (04/10/18)

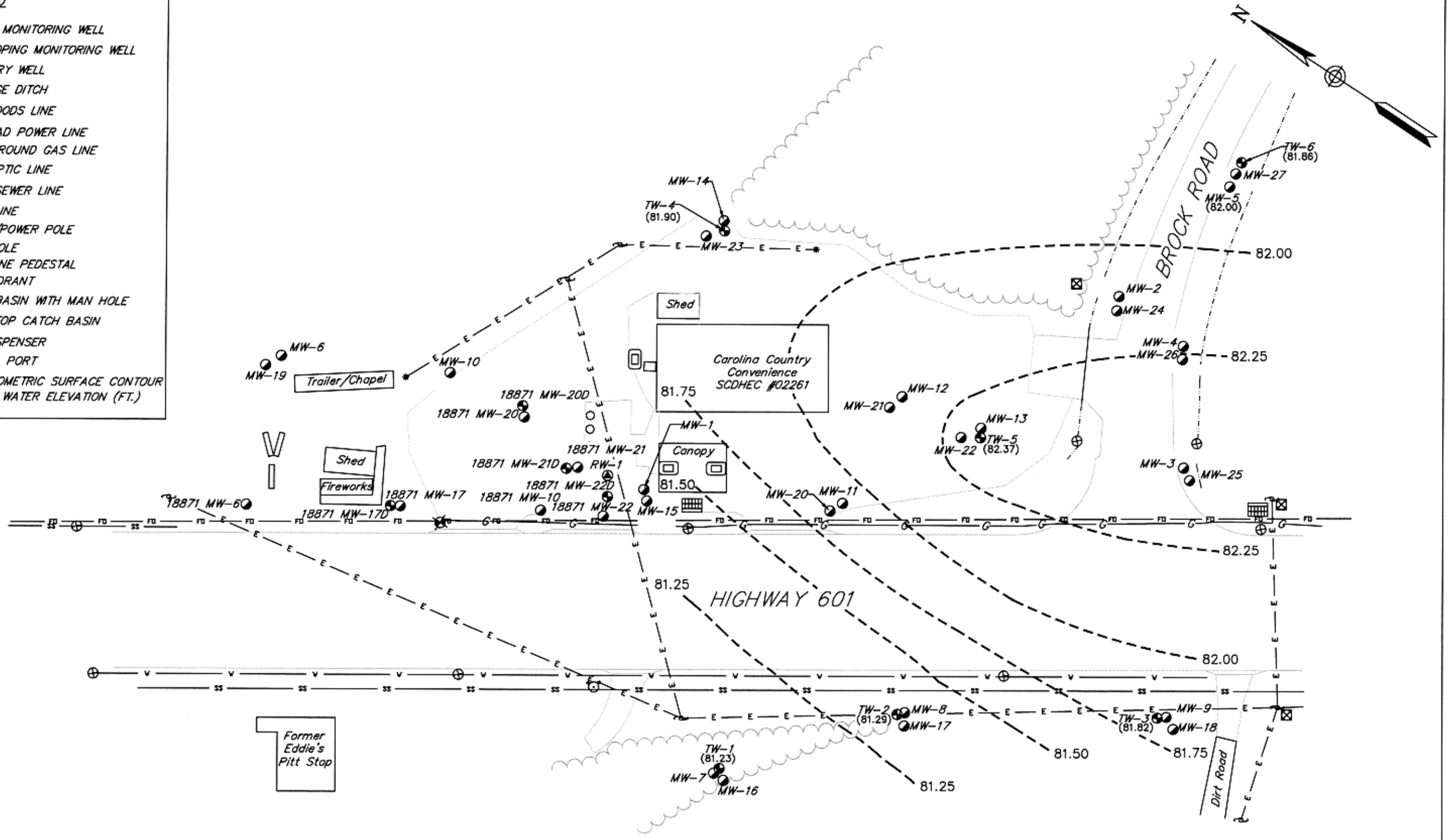
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	05/08/18	Drawn by:	DTH	Figure:	5

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT
- 81.50 (76.53) POTENTIOMETRIC SURFACE CONTOUR / GROUND WATER ELEVATION (FT.)



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

POTENTIOMETRIC SURFACE MAP – TELESCOPING WELLS (04/10/18)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	05/08/18	Drawn by:	DTH	Figure:	6

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
- UNDERGROUND GAS LINE
- FIBER OPTIC LINE
- STORM SEWER LINE
- WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

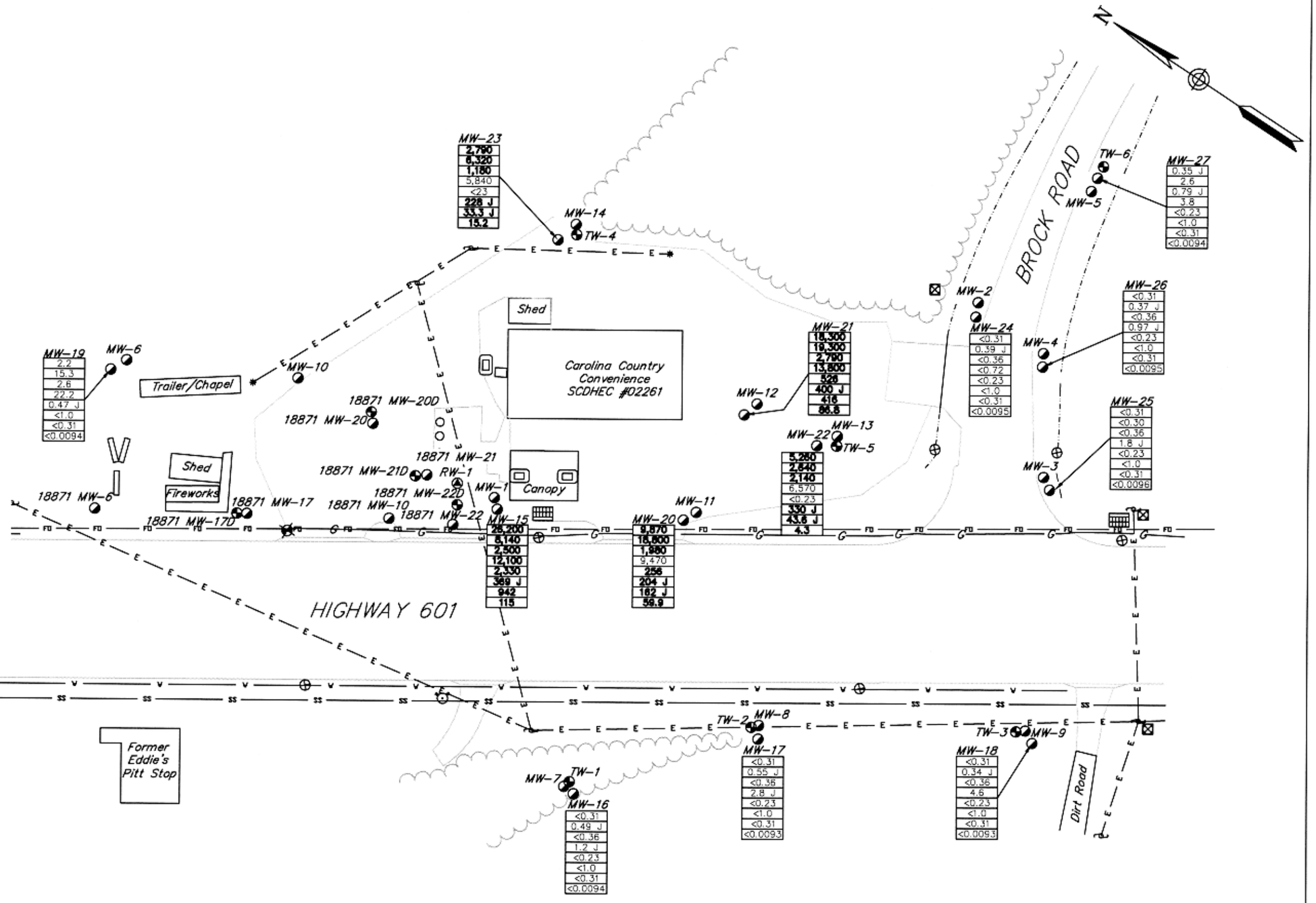
2.2	BENZENE
15.3	TOLUENE
2.6	ETHYLBENZENE
22.2	XYLENES
0.47 J	MTBE
<1.0	NAPHTHALENE
<0.31	1,2-DCA
<0.0094	EDB

CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE RBSL



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP – SHALLOW WELLS (04/10/18–04/11/18)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	05/08/18	Drawn by:	DTH	Figure:	7

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- E — E — OVERHEAD POWER LINE
- G — UNDERGROUND GAS LINE
- FO — FIBER OPTIC LINE
- SS — STORM SEWER LINE
- W — WATER LINE
- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

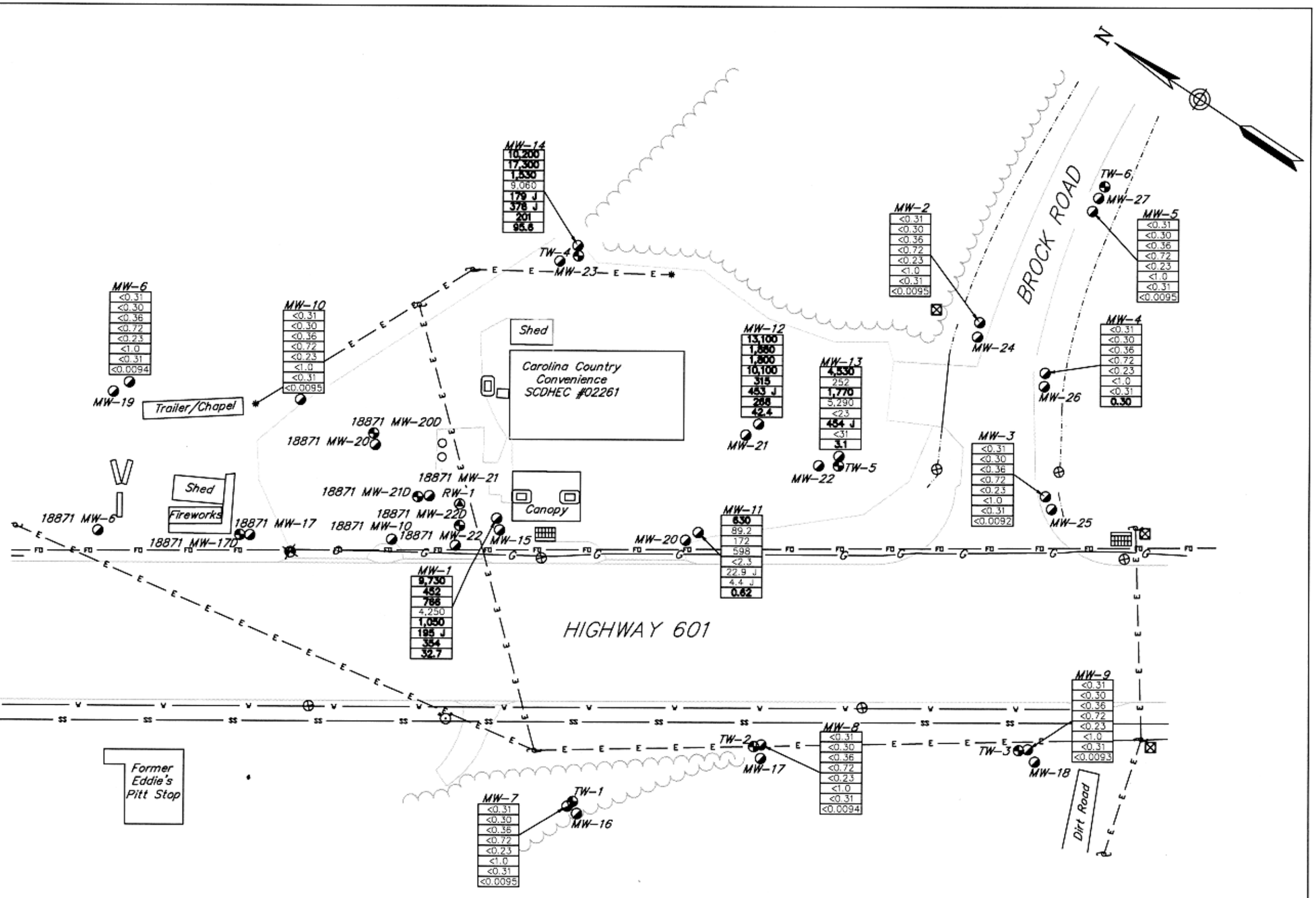
<0.31	BENZENE
<0.30	TOLUENE
<0.36	ETHYLBENZENE
<0.72	XYLENES
<0.23	MTBE
<1.0	NAPHTHALENE
<0.31	1,2-DCA
<0.0094	EDB

CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE RBSL



0 25 50 100

(IN FEET)
1 inch = 50 ft

Geological Resources, Inc.

GROUND WATER QUALITY MAP – INTERMEDIATE WELLS (04/10/18-04/11/18)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	05/09/18	Drawn by:	DTH	Figure:	8

LEGEND

- TYPE III MONITORING WELL
- TELESCOPING MONITORING WELL
- RECOVERY WELL
- DRAINAGE DITCH
- TREE/WOODS LINE
- OVERHEAD POWER LINE
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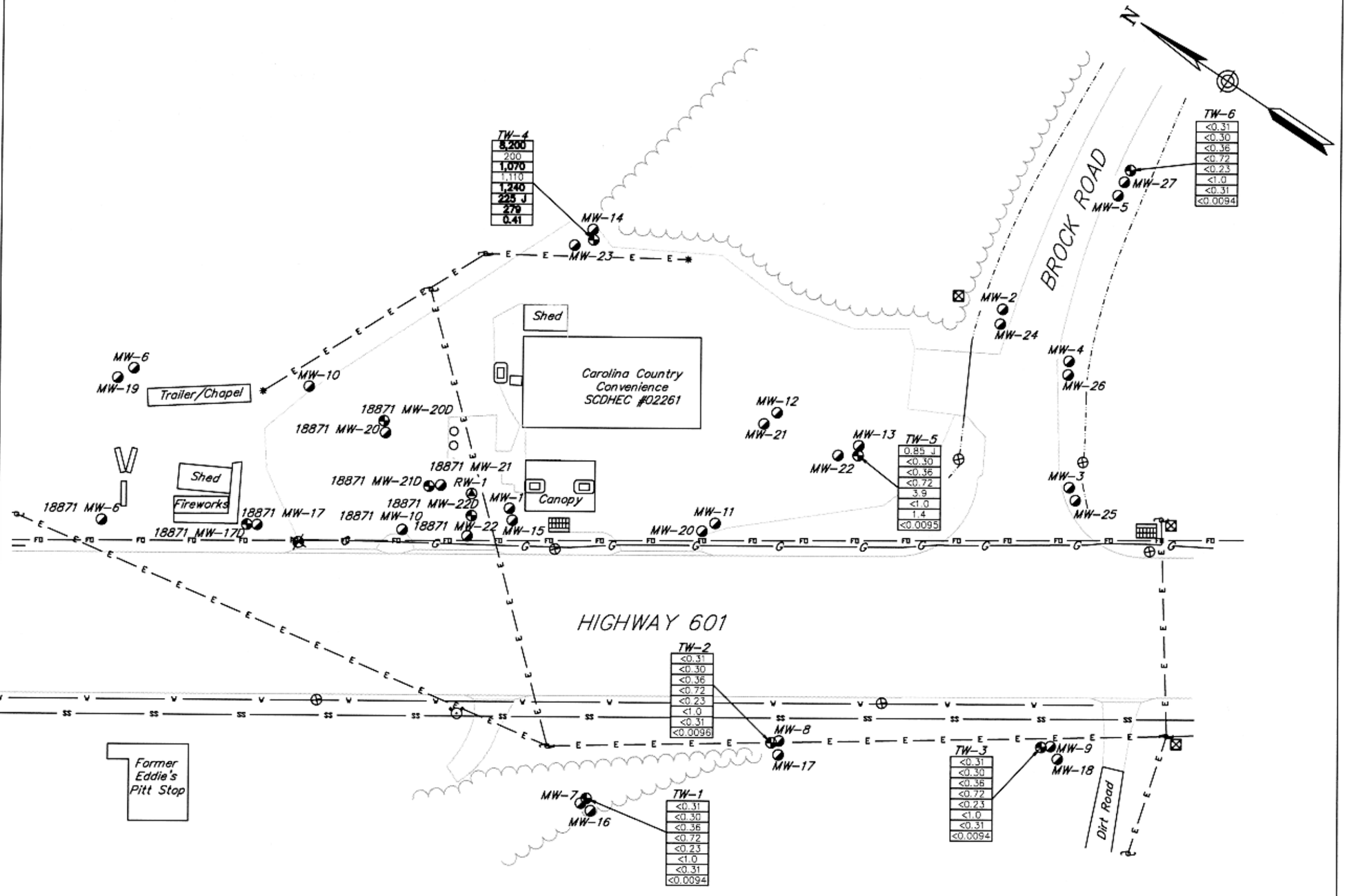
<0.31	BENZENE
<0.30	TOLUENE
<0.36	ETHYLBENZENE
<0.72	XYLENES
<0.23	MTBE
<1.0	NAPHTHALENE
<0.31	1,2-DCA
<0.0094	EDB

CONCENTRATIONS IN µg/L

<0.20 LESS THAN THE METHOD DETECTION LIMIT SPECIFIED IN THE LABORATORY REPORT

"J" ESTIMATED VALUE

CONCENTRATIONS IN BOLD FACE TYPE EXCEEDED THE RBSL



0 25 50 100

(IN FEET)
1 inch = 50 ft

Geological Resources, Inc.

GROUND WATER QUALITY MAP – TELESCOPING WELLS (04/10/18–04/11/18)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	05/09/18	Drawn by:	DTH	Figure:	9

TABLES

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-1	08/09/13	NM	---	12.39	---	---	35	25-35	
	11/18/14	101.09	---	23.88	---	77.21			
	04/27/15		---	10.91	---	90.18			
	11/23/15		---	13.75	---	87.34			
	07/26/16		---	22.02	---	79.07			
	04/10/18		---	18.21	---	82.88			
02261 MW-2	11/18/14	105.45	---	29.17	---	76.28	42	37-42	
	04/27/15		---	14.88	---	90.57			
	11/23/15		---	20.00	---	85.45			
	07/26/16		---	28.67	---	76.78			
	04/10/18		---	23.47	---	81.98			
02261 MW-3	11/18/14	102.34	---	25.80	---	76.54	42	37-42	
	04/27/15		---	11.45	---	90.89			
	11/23/15		---	16.54	---	85.80			
	07/26/16		---	25.09	---	77.25			
	04/10/18		---	20.10	---	82.24			
02261 MW-4	11/18/14	103.89	---	27.43	---	76.46	42	37-42	
	04/27/15		---	13.93	---	89.96			
	11/23/15		---	19.00	---	84.89			
	07/26/16		---	21.87	---	82.02			
	04/10/18		---	21.69	---	82.20			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-5	11/18/14	109.60	---	33.30	---	76.30	42	37-42	
	04/27/15		---	20.20	---	89.40			
	11/23/15		---	24.49	---	85.11			
	07/26/16		---	30.63	---	78.97			
	04/10/18		---	27.60	---	82.00			
02261 MW-6	11/18/14	101.00	---	20.86	---	80.14	35	30-35	
	04/27/15		---	8.43	---	92.57			
	11/23/15		---	5.87	---	95.13			
	07/26/16		---	16.69	---	84.31			
	04/10/18	100.93	---	16.53	---	84.40			
02261 MW-7	11/18/14	96.55	---	20.60	---	75.95	30	25-30	
	04/27/15		---	7.17	---	89.38			
	11/23/15		---	9.68	---	86.87			
	07/26/16		---	19.88	---	76.67			
	04/10/18		---	15.15	---	81.40			
02261 MW-8	11/18/14	97.79	---	20.75	---	77.04	30	25-30	
	04/27/15		---	7.79	---	90.00			
	11/23/15		---	9.02	---	88.77			
	07/26/16		---	20.15	---	77.64			
	04/10/18		---	15.25	---	82.54			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-9	11/18/14	101.45	---	25.04	---	76.41	30	25-30	
	04/27/15		---	11.09	---	90.36			
	11/23/15		---	15.43	---	86.02			
	07/26/16		---	24.18	---	77.27			
	04/10/18		---	19.61	---	81.84			
02261 MW-10	11/18/14	102.08	---	24.02	---	78.06	35	30-35	
	04/27/15		---	12.66	---	89.42			
	11/23/15		---	11.30	---	90.78			
	07/26/16		---	23.42	---	78.66			
	04/10/18		---	17.43	---	84.65			
02261 MW-11	11/18/14	101.41	---	24.63	---	76.78	35	30-35	
	04/27/15		---	13.60	---	87.81			
	11/23/15		---	17.33	---	84.08			
	07/26/16		---	24.00	---	77.41			
	04/10/18		---	18.94	---	82.47			
02261 MW-12	11/18/14	103.43	---	26.88	---	76.55	35	30-35	
	04/27/15		---	13.12	---	90.31			
	11/23/15		---	18.67	---	84.76			
	07/26/16		---	25.88	---	77.55			
	04/10/18		---	21.02	---	82.41			
02261 MW-13	11/18/14	102.12	---	25.53	---	76.59	35	30-35	
	04/27/15		---	11.52	---	90.60			
	11/23/15		---	17.26	---	84.86			
	07/26/16		---	24.74	---	77.38			
	04/10/18		---	19.79	---	82.33			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 MW-14	11/18/14	104.11	---	27.80	---	76.31	35	30-35	
	04/27/15		---	15.93	---	88.18			
	11/23/15		---	19.39	---	84.72			
	07/26/16		---	27.54	---	76.57			
	04/10/18		---	22.13	---	81.98			
02261 MW-15	04/10/18	101.01	---	17.95	---	83.06	25	15-25	
02261 MW-16	04/10/18	93.76	---	12.31	---	81.45	25	15-25	
02261 MW-17	04/10/18	95.32	---	11.33	---	83.99	25	15-25	
02261 MW-18	04/10/18	97.70	---	16.89	---	80.81	24	14-24	
02261 MW-19	04/10/18	100.86	---	22.56	---	78.30	30	15-30	
02261 MW-20	04/10/18	101.50	---	19.16	---	82.34	30	15-30	
02261 MW-21	04/10/18	103.41	---	21.00	---	82.41	30	15-30	
02261 MW-22	04/10/18	102.01	---	19.71	---	82.30	30	15-30	
02261 MW-23	04/10/18	103.98	---	21.71	---	82.27	30	15-30	
02261 MW-24	04/10/18	105.46	---	23.49	---	81.97	37	12-37	
02261 MW-25	04/10/18	102.33	---	20.08	---	82.25	37	12-37	
02261 MW-26	04/10/18	103.87	---	21.61	---	82.26	37	12-37	
02262 MW-27	04/10/18	109.95	---	28.12	---	81.83	37	12-37	
02261 TW-1	11/18/14	96.74	---	20.91	---	75.83	56	51-56	
	04/27/15		---	7.80	---	88.94			
	11/23/15		---	10.62	---	86.12			
	07/26/16		---	20.21	---	76.53			
	04/10/18		---	15.51	---	81.23			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
02261 TW-2	11/18/14	97.63	---	21.72	---	75.91	56	51-56	
	04/27/15		---	8.12	---	89.51			
	11/23/15		---	12.27	---	85.36			
	07/26/16		---	21.07	---	76.56			
	04/10/18		---	16.34	---	81.29			
02261 TW-3	11/18/14	101.30	---	25.01	---	76.29	56	51-56	
	04/27/15		---	10.90	---	90.40			
	11/23/15		---	15.43	---	85.87			
	07/26/16		---	24.13	---	77.17			
	04/10/18		---	19.48	---	81.82			
02261 TW-4	11/18/14	104.00	---	27.44	---	76.56	61	56-61	
	04/27/15		---	14.17	---	89.83			
	11/23/15		---	16.99	---	87.01			
	07/26/16		---	27.61	---	76.39			
	04/10/18		---	22.10	---	81.90			
02261 TW-5	11/18/14	102.09	---	25.47	---	76.62	61	56-61	
	04/27/15		---	11.94	---	90.15			
	11/23/15		---	16.41	---	85.68			
	07/26/16		---	23.21	---	78.88			
	04/10/18		---	19.72	---	82.37			
02261 TW-6	04/27/15	110.32	---	19.17	---	91.15	68	63-68	
	11/23/15		---	25.04	---	85.28			
	07/26/16		---	33.65	---	76.67			
	04/10/18		---	28.46	---	81.86			

TABLE 1
SUMMARY OF GROUND WATER ELEVATION DATA
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Top of Casing Elevation	Depth to Product	Depth to Ground Water	Product Thickness	Ground Water Elevation	Constructed Well Depth	Screened Interval	Comments
18871 MW-10	11/18/14	100.03	---	19.70	---	80.33	35	25-35	
	11/23/15		---	17.66	---	82.37			
18871 MW-20	11/18/14	101.77	---	23.18	---	78.59	35	25-35	
	11/23/15		---	19.66	---	82.11			
18871 MW-20D	11/18/14	101.93	---	27.53	---	74.40	60	55-60	
	11/23/15		---	13.23	---	88.70			
18871 MW-21	11/18/14	101.00	---	21.56	---	79.44	35	25-35	
	11/23/15		---	12.38	---	88.62			
18871 MW-21D	11/18/14	101.04	---	18.68	---	82.36	60	55-60	
	11/23/15		---	15.69	---	85.35			
18871 MW-22	11/18/14	100.24	---	23.16	---	77.08	35	25-35	
	11/23/15		---	12.61	---	87.63			
18871 MW-22D	11/18/14	100.55	---	23.81	---	76.74	60	55-60	
	11/23/15		---	12.91	---	87.64			

Notes:
- Elevations relative to temporary benchmark set at 100.00 ft ; data reported in feet.
- NM: Not measured.

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-1	08/09/13	**19,000**	**7,150**	**1,700**	8,910	**2,360**	**469 J**	**794**	**104**	7.9
	11/19/14	**23,400**	**10,200**	**1,780**	9,590	**2,900**	**520 J**	**934**	**123**	6.5
	04/27/15	**20,100**	**13,000**	**1,380**	6,830	**2,030**	**640 J**	**683**	**113**	NR
	11/23/15	**18,400**	**3,730**	**1,410**	7,350	**1,860**	**322 J**	**700**	**67.4**	NR
	07/26/16	**15,800**	**6,970**	**1,060**	5,440	**1,980**	**122 J**	**625**	**121**	NR
	04/11/18	**9,730**	452	**766**	4,250	**1,050**	**195 J**	**354**	**32.7**	NR
02261 MW-1 DUP A	08/09/13	**19,700**	**7,910**	**1,710**	9,110	**2,440**	**494 J**	**820**	**107**	12.2
	11/19/14	**22,100**	**10,400**	**1,640**	9,020	**2,640**	**665 J**	**873**	**138**	**56.3**
	04/27/15	**18,900**	**13,100**	**1,310**	6,680	**2,010**	**449 J**	**617**	**131**	NR
02261 MW-1 DUP B	07/26/16	**7,890**	**13,100**	**1,650**	8,820	**2,070**	**450 J**	**681**	**88.6**	NR
02261 MW-2	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.046	**106**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	11/23/15	1.1	1.1	0.51 J	1.9 J	<0.30	<1.0	<0.20	0.030	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
02261 MW-3	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.028	**49.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	0.025	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.096**	NR
	07/26/16	0.38 J	0.24 J	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-4	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.020	**48.9**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0095	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.10**	NR
	07/26/16	0.23 J	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	**0.30**	NR
02261 MW-5	11/18/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
00261 MW-5 DUP B	04/27/15	<0.50	<1.0	<0.50	<1.3	<0.75	<2.5	<0.50	<0.0096	NR
02261 MW-6	11/18/14	<0.24	<0.20	<0.28	<0.66	0.67 J	<1.0	<0.24	<0.0096	7.1
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0098	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
02261 MW-7	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	5.9
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0095	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0099	NR
	04/10/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-8	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0091	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
	04/10/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
02261 MW-9	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0094	6.6
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0096	NR
	04/10/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
02261 MW-10	11/18/14	**9.3**	<0.20	<0.28	3.4	0.83 J	<1.0	0.34 J	<0.0094	9.9
	04/27/15	2.0	<0.40	<0.20	<0.51	0.32 J	<1.0	<0.20	<0.0093	NR
	11/23/15	**2,900**	<20	**715**	1,750	**170**	**251**	**54.5**	**1.9**	NR
	07/26/16	4.1	0.48 J	<0.25	<0.56	0.41 J	<1.0	<0.28	<0.0096	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
02261 MW-11	11/19/14	**18,100**	**6,040**	**2,590**	**12,900**	**671**	**569 J**	**530**	**44.9**	9.1
	04/27/15	**8,540**	**16,700**	**2,230**	**12,400**	**193 J**	**595 J**	**154 J**	**55.4**	NR
	11/23/15	**2,490**	**1,990**	**1,220**	7,550	<15	**432**	**69.3**	**2.1**	NR
	07/26/16	**330**	100	135	930	<1.0	**60.7**	**8.4**	**1.4**	NR
	04/11/18	**630**	89.2	172	598	<2.3	22.9 J	4.4 J	**0.62**	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		5	1,000	700	10,000	40	25	5	0.05	15
02261 MW-12	11/19/14	**14,400**	**19,800**	**2,230**	**12,400**	**356**	**494 J**	**308**	**81.6**	<5.0
	04/27/15	**13,800**	**21,100**	**2,190**	**11,000**	**305**	**555 J**	**271**	**77.5**	NR
	11/23/15	**15,800**	**21,400**	**2,820**	**13,600**	**262**	**426 J**	**260**	**67.3**	NR
	07/26/16	**14,000**	**18,700**	**1,920**	**11,600**	**446**	**542 J**	**393**	**98.1**	NR
	04/11/18	**13,100**	**1,880**	**1,800**	**10,100**	**315**	**453 J**	**268**	**42.4**	NR
02261 MW-13	11/19/14	**4,600**	478	**1,930**	6,420	**40.7 J**	**561**	**45.3 J**	**4.6**	**23.3**
	04/27/15	**4,220**	432	**2,200**	6,520	26.4 J	**848**	**29.9 J**	**4.2**	NR
	11/23/15	**4,850**	449	**2,290**	6,310	<30	**541**	**40.9 J**	**5.0**	NR
	07/26/16	**4,350**	355	**1,590**	5,980	27.9 J	**595**	**45.5 J**	**6.4**	NR
	04/11/18	**4,530**	252	**1,770**	5,290	<23	**454 J**	<31	**3.1**	NR
00261 MW-13 DUP A	11/23/15	**4,880**	417	**2,190**	6,260	<30	**531**	**42.8 J**	**4.8**	NR
02261 MW-14	11/19/14	**11,200**	**18,300**	**1,520**	8,560	**221**	**468 J**	**268**	**153**	<5.0
	04/27/15	**11,700**	**16,300**	**1,440**	7,500	**232**	**508 J**	**273**	**170**	NR
	11/23/15	**13,200**	**21,700**	**2,070**	9,940	**200**	**375 J**	**268**	**126**	NR
	07/26/16	**9,290**	**17,500**	**1,070**	6,820	**216**	**386 J**	**276**	**161**	NR
	04/11/18	**10,200**	**17,300**	**1,530**	9,060	**179 J**	**378 J**	**201**	**95.6**	NR
02261 MW-14 DUP B	11/19/14	**11,500**	**19,300**	**1,710**	9,230	**213**	**461 J**	**261**	**121**	7.5
	11/23/15	**10,800**	**19,900**	**1,670**	8,030	**186 J**	**338 J**	**256**	**135**	NR
02261 MW-14 DUP A	07/26/16	**11,600**	**5,910**	**1,280**	8,320	**1,420**	**370 J**	**266**	**123**	NR
	04/11/18	**9,750**	**15,500**	**1,450**	8,450	**203**	**448 J**	**265**	**112**	NR
02261 MW-15	04/11/18	**26,200**	**8,140**	**2,500**	**12,100**	**2,330**	**369 J**	**942**	**115**	NR
02261 MW-16	04/10/18	<0.31	0.49 J	<0.36	1.2 J	<0.23	<1.0	<0.31	<0.0094	NR
02261 MW-17	04/10/18	<0.31	0.55 J	<0.36	2.8 J	<0.23	<1.0	<0.31	<0.0093	NR
02261 MW-18	04/10/18	<0.31	0.34 J	<0.36	4.6	<0.23	<1.0	<0.31	<0.0093	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 MW-19	04/11/18	2.2	15.3	2.6	22.2	0.47 J	<1.0	<0.31	<0.0094	NR
02261 MW-20	04/11/18	**9,870**	**18,800**	**1,980**	9,470	**256**	**204 J**	**162 J**	**59.9**	NR
02261 MW-21	04/11/18	**18,300**	**19,300**	**2,790**	**13,800**	**526**	**400 J**	**416**	**86.8**	NR
02261 MW-21 DUP B	04/11/18	**16,500**	<60	**2,630**	**12,700**	**520**	**450 J**	**471**	**73.8**	
02261 MW-22	04/11/18	**5,260**	**2,640**	**2,140**	6,570	<23	**330 J**	**43.6 J**	**4.3**	NR
02261 MW-23	04/11/18	**2,790**	**6,320**	**1,180**	5,840	<23	**228 J**	**33.3 J**	**15.2**	NR
02261 MW-24	04/11/18	<0.31	0.39 J	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
02261 MW-25	04/11/18	<0.31	<0.30	<0.36	1.8 J	<0.23	<1.0	<0.31	<0.0096	NR
02261 MW-26	04/11/18	<0.31	0.37 J	<0.36	0.97 J	<0.23	<1.0	<0.31	<0.0095	NR
02261 MW-27	04/11/18	0.35 J	2.6	0.79 J	3.8	<0.23	<1.0	<0.31	<0.0094	NR
02261 TW-1	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	0.045	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0099	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	**0.075**	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0095	NR
	04/10/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
02261 TW-2	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	0.23 J	<0.0095	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0094	NR
	04/10/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0096	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
02261 TW-3	11/20/14	<0.24	0.94 J	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	**58.4**
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.010	NR
	04/10/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
02261 TW-4	11/19/14	**9,700**	168	698	720	**1,870**	**214 J**	**415**	**1.9**	**66.4**
	04/27/15	**10,300**	286	**821**	1,050	**1,720**	**332 J**	**333**	**0.88**	NR
	11/23/15	**8,250**	137	399	129 J	**1,750**	**116 J**	**385**	**0.22**	NR
	07/26/16	**9,440**	239	690	1,050	**2,020**	**241 J**	**433**	**1.2**	NR
	04/11/18	**8,200**	200	**1,070**	1,110	**1,240**	**225 J**	**279**	**0.41**	NR
02261 TW-5	11/19/14	**3,240**	654	**1,670**	5,840	**65.4**	**577**	**53.0**	**3.5**	**70.8**
	04/27/15	**95.8**	5.7	54.0	112	13.7	**64.6**	**8.8**	**0.25**	NR
	11/23/15	**7.7**	0.77 J	0.59 J	1.4 J	3.9	1.8 J	1.3	<0.0096	NR
	07/26/16	2.7	<0.20	0.73 J	<0.56	3.6	<1.0	1.8	<0.0092	NR
	04/11/18	0.85 J	<0.30	<0.36	<0.72	3.9	<1.0	1.4	<0.0095	NR
02261 TW-6	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0097	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
	07/26/16	<0.20	1.4	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0099	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
18871 MW-10	11/19/14	**2,460**	13.0 J	546	1,490	**181**	**277**	**52.7**	**1.5**	**29.6**
	11/23/15	0.24 J	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0098	NR
18871 MW-20	11/18/14	**3,760**	24.2 J	671	3,420	**268**	**255**	**64.3**	**3.5**	**49.8**
	11/23/15	**3,370**	27.7 J	**874**	3,250	**196**	**195 J**	**56.6**	**4.2**	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
18871 MW-20D	11/19/14	1.9	<0.20	<0.28	<0.66	15.2	<1.0	1.1	**0.057**	**34.8**
	11/23/15	2.9	<0.40	<0.20	<0.51	22.5	<1.0	2.9	<0.0099	NR
18871 MW-21	11/19/14	**16,300**	**21,000**	**1,710**	9,690	**3,670**	**360**	**676**	**85.5**	14.9
	11/23/15	**18,300**	**23,200**	**2,080**	**10,400**	**2,710**	**273 J**	**538**	**62.2**	NR
18871 MW-21D	11/19/14	**950**	613	42.1	225	**482**	**28.7 J**	**55.4**	**0.60**	<5.0
	11/23/15	**572**	342	36.7	172	**299**	10.7 J	**34.0**	**0.20**	NR
18871 MW-22	11/19/14	**1,490**	44.4	304	1,970	**41.2**	**181**	**24.5 J**	**4.5**	6.9
	11/23/15	**1,700**	49.4	284	1,790	**44.8**	**134**	**24.3**	**2.6**	NR
18871 MW-22D	11/19/14	**2,250**	63.2	519	771	**99.0**	**266**	**35.4**	**1.4**	**23.0**
	11/23/15	**2,880**	58.0	547	599	**163**	**235 J**	**61.4**	**0.74**	NR
PW-2	08/09/13	1.0	0.28 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0093	NR
	11/19/14	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/15	NS	NS	NS	NS	NS	NS	NS	NS	NS
PW-3	11/20/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0095	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0094	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	0.043	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0095	NR
	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0038	NR
PW-3 DUP C	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0038	NR
MW TRIP BLANK	08/09/13	<0.21	<0.20	<0.29	<0.50	<0.21	<1.0	<0.22	NR	NR
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	NR	NR
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	NR	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	NR	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	NR	NR
	04/10/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	NR	NR

TABLE 2
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - CHEMICALS OF CONCERN
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	Lead
RBSL (ug/l)		**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
MW FIELD BLANK	08/09/13	<0.21	0.26 J	<0.29	<0.50	<0.21	<1.0	<0.22	<0.0094	<5.0
	11/19/14	<0.24	<0.20	<0.28	<0.66	<0.20	<1.0	<0.24	<0.0096	<5.0
	04/27/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	11/23/15	<0.20	<0.40	<0.20	<0.51	<0.30	<1.0	<0.20	<0.0096	NR
	07/26/16	<0.20	<0.20	<0.25	<0.56	<0.20	<1.0	<0.28	<0.0097	NR
	04/11/18	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0097	NR
WSW TRIP BLANK	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NR	NR
WSW FIELD BLANK	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0039	NR

Notes:

- Analyses for BTEX, MTBE, naphthalene and 1, 2-DCA by EPA Method 8260B, EDB by Method 8011 and lead by EPA Method 3010/6010; results reported in µg/l.
- 04/10/18 WSW and associated blanks analyses for BTEX, MTBE, naphthalene and 1,2-DCA by Method 524.2, EDB analyses by Method 504.1, results reported in µg/l.
- RBSL: Risk Based Screening Level.
- Concentrations in bold face type exceeded the RBSL.
- <: Less than the report limit specified in the laboratory report.
- J: Estimated value.
- NS: Not sampled.
- NR: Analysis not requested.

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-1	11/19/14	<57	<950	<5,800	<50	**45,200**	<55	**28,500**	<1,000
	04/27/15	8.1	<2,500	<35	<0.20	**40,400**	15.4	**23,600**	<1,000
	11/23/15	<40	<2,000	<7,000	<40	**32,200**	<44	**18,900**	<800
	07/26/16	<0.23	<10	<50	<0.22	**36,900**	<0.20	**37,600**	<5.0
	04/11/18	<12	<500	<4,100	<12	**22,400**	<12	**20,400**	<250
02261 MW-1 DUP A	11/19/14	<57	<950	<5,800	<50	**41,000**	<55	**26,000**	<1,000
	04/27/15	<50	<2,500	<8,800	<50	**36,500**	<55	**26,600**	<1,000
02261 MW-1 DUP B	07/26/16	<45	<2,000	<10,000	<44	**34,300**	<40	**34,400**	<1,000
02261 MW-2	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-3	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-4	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-5	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-5 DUP B	04/27/15	<0.50	<25	<88	<0.50	<20	<0.55	<14	<10
02261 MW-6	11/18/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-7	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-8	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-9	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-10	11/18/14	<0.23	<3.8	<23	<0.20	54.5	<0.22	12.3 J	<4.0
	04/27/15	<0.20	<10	<35	<0.20	21.9	<0.22	8.8 J	<4.0
	11/23/15	<10	<500	<1,800	<10	**2,570**	<11	**1,630**	<200
	07/26/16	<0.23	<10	<50	<0.22	22.5	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-11	11/19/14	<45	<760	<4,600	<40	**88,000**	106 J	**6,100**	<810
	04/27/15	<40	<2,000	<7,000	<40	**17,500**	<44	<1,100	<800
	11/23/15	<10	<500	<1,800	<10	**8,950**	<11	<270	<200
	07/26/16	<1.1	<50	<250	<1.1	**551**	<1.0	<45	<25
	04/11/18	<2.4	<100	<820	<2.4	**280**	<2.4	<53	<50
02261 MW-12	11/19/14	<45	<760	<4,600	<40	**34,100**	<44	**3,420 J**	<810
	04/27/15	<50	<2,500	<8,800	<50	**34,500**	<55	<1,400	<1,000
	11/23/15	<40	<2,000	<18,000	<40	**29,300**	<44	<1,100	<800
	07/26/16	<45	<2,000	<10,000	<44	**33,000**	<40	**2,540 J**	<1,000
	04/11/18	<24	<1,000	<8,200	<24	**39,900**	<24	**3,440**	<500

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-13	11/19/14	<23	<380	<2,300	<20	**9,820**	<22	<880	<400
	04/27/15	<10	<500	<1,800	<10	**7,810**	<11	<270	<200
	11/23/15	<20	<1,000	<3,500	<20	**8,420**	<22	<540	<400
	07/26/16	<11	<500	<2,500	<11	**7,810**	<10	<450	<250
	04/11/18	<24	<1,000	<8,200	<24	**9,610**	<24	648 J	<500
02261 MW-13 DUP A	11/23/15	<20	<1,000	<3,500	<20	**7,890**	<22	<540	<400
02261 MW-14	11/19/14	<45	<760	<4,600	<40	**23,600**	<44	**2,040 J**	<810
	04/27/15	<40	<2,000	<7,000	<40	**27,100**	72.6 J	<1,100	<800
	11/23/15	<40	<2,000	<18,000	<40	**24,100**	<44	<1,100	<800
	07/26/16	<45	<2,000	<10,000	<44	**17,300**	<40	<1,800	<1,000
	04/11/18	<48	<2,000	<16,000	<47	**21,400**	<49	**1,670 J**	<1,000
02261 MW-14 DUP B	11/19/14	<45	<760	<4,600	<40	**21,900**	<44	**2,220 J**	<810
	11/23/15	<40	<2,000	<7,000	<40	**20,800**	<44	<1,100	<800
02261 MW-14 DUP A	07/26/16	<45	<2,000	<10,000	<44	**18,400**	<40	**1,950 J**	<1,000
	04/11/18	<48	<2,000	<16,000	<47	**22,600**	<49	**2,060 J**	<1,000
02261 MW-15	04/11/18	<48	<2,000	<16,000	<47	**58,000**	<49	**61,600**	<1,000
02261 MW-16	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-17	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-18	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-19	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-20	04/11/18	<48	<2,000	<16,000	<47	**43,300**	<49	**2,360 J**	<1,000
02261 MW-21	04/11/18	<48	<2,000	<16,000	<47	**43,100**	<49	**4,680 J**	<1,000

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 MW-21 DUP B	04/11/18	<48	<2,000	<16,000	<47	**38,000**	<49	**4,680**	<1,000
02261 MW-22	04/11/18	<24	<1,000	<8,200	<24	**8,010**	<24	<530	<500
02261 MW-23	04/11/18	<24	<1,000	<8,200	<24	**1,470 J**	<24	<530	<500
02261 MW-24	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-25	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-26	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 MW-27	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 TW-1	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 TW-2	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
02261 TW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
02261 TW-4	11/19/14	<23	<380	<2,300	<20	**12,400**	65.1 J	**2,580**	<400
	04/27/15	<20	<1,000	<3,500	<20	**11,600**	79.0 J	<540	<400
	11/23/15	<20	<1,000	<3,500	<20	**10,100**	59.5 J	<540	<400
	07/26/16	<23	<1,000	<5,000	<22	**15,500**	71.2 J	<910	<500
	04/11/18	<24	<1,000	<8,200	<24	**8,170**	34.7 J	**1,500 J**	<500
02261 TW-5	11/19/14	<11	<190	<1,200	<10	**9,690**	<11	892 J	<200
	04/27/15	<0.20	<10	<35	<0.20	**1,880**	1.6 J	210	<4.0
	11/23/15	<0.20	<10	<35	<0.20	173	0.51 J	53.2	<4.0
	07/26/16	<0.23	<10	<50	<0.22	**476**	<0.20	63.3	<5.0
	04/11/18	<0.24	<10	<82	<0.24	103	0.36 J	46.3	<5.0
02261 TW-6	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
18871 MW-10	11/19/14	<11	<190	<1,200	<10	**2,200**	<11	**1,560**	<200
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
18871 MW-20	11/18/14	<11	<190	<1,200	<10	**3,480**	<11	753 J	<200
	11/23/15	<10	<500	<1,800	<10	**2,870**	<11	<270	<200
18871 MW-20D	11/19/14	<0.23	<3.8	<23	<0.20	7.7 J	0.56 J	20.1	<4.0
	11/23/15	<0.20	<10	<35	<0.20	29.4	1.1 J	<5.4	<4.0
18871 MW-21	11/19/14	14.5	<3.8	<23	<0.20	**32,800**	<0.22	**34,500**	<4.0
	11/23/15	<40	<2,000	<7,000	<40	**31,700**	<44	**29,400**	<800
18871 MW-21D	11/19/14	<4.5	<76	<460	<4.0	**6,020**	6.2 J	**3,470**	<81
	11/23/15	1.8 J	<50	<180	<1.0	**4,000**	4.6 J	**2,210**	<20

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
18871 MW-22	11/19/14	<5.7	<95	<580	<5.0	**2,140**	<5.5	473 J	<100
	11/23/15	<4.0	<200	<700	<4.0	**2,140**	<4.4	613	<80
18871 MW-22D	11/19/14	<0.45	<7.6	<46	<0.40	**4,200**	<0.44	**1,440**	<8.1
	11/23/15	<10	<500	<1,800	<10	**4,920**	<11	**2,260**	<200
PW-3	11/20/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
PW-3 DUP C	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
MW TRIP BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
MW FIELD BLK	11/19/14	<0.23	<3.8	<23	<0.20	<7.4	<0.22	<8.8	<4.0
	04/27/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	11/23/15	<0.20	<10	<35	<0.20	<8.1	<0.22	<5.4	<4.0
	07/26/16	<0.23	<10	<50	<0.22	<6.0	<0.20	<9.1	<5.0
	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
WSW TRIP BLANK	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0

TABLE 3
SUMMARY OF LABORATORY ANALYTICAL RESULTS
GROUND WATER SAMPLES - OXYGENATES
CAROLINA COUNTRY CONVENIENCE (UST PERMIT # 02261)

Well No.	Date	IPE	ETBA	Ethanol	ETBE	TAA	TAME	TBA	TBF
Action Levels (ug/l)		**150**	**NE**	**10,000**	**47**	**240**	**128**	**1,400**	**NE**
WSW FIELD BLANK	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0

Notes:

- Analyses for selected oxygenates by EPA Method 8260B; results reported in µg/l.
- Concentrations in bold face type exceeded the Action Level.
- J: Estimated value.
- <: Less than the report limit specified in the laboratory report.
- NE: Not Established.

APPENDICES

APPENDIX A

Subsurface Logs and Water Well Construction Records

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-15	Date Drilled	04/05/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 25' w/screened interval from 15' to 25'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-0.25' Asphalt
						0.25'-1' Dark brown silty clay, odors
2						1'-4' Orange/brown silty clay
4						4'-15' Red silty clay
6						
8						
10						
12						
14						
				15'	1642	15'-25' Brown silty clay
16						
18						
20						
22						
24						
						Well set @ 25'
26						
28						
30						

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-16	Date Drilled	04/03/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 25' w/screened interval from 15' to 25'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth	Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0				0'-25' Tan clayey silt
2				
4				
6				
8				
10				
12				
14				
		15'	1.2	Moist @ 15'
16				
18				
20				
22				
24				
				Well set @ 25'
26				
28				
30				

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SUBSURFACE LOG

Project	**Carolina Country Convenience**		
Address	**1908 Highway 601 North, Pageland, Chesterfield County, SC**		
Boring Number	**MW-17**	Date Drilled	**04/03/18**
Sample Method	**Grab**	Drilling Method	**6" OD SS Augers**
Completion Details	**2" well completed to 25' w/screened interval from 15' to 25'**		
Driller	**Corey N. Buchanan, GRI, SCL #2202-B**	Log By	**Kaelan Schmidt, GRI**

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-20' Tan clayey silt
2						
4						
6						
8						
10						
12						
14						
				15'	0.0	Moist @ 15'
16						
18						
20						20'-25' Mottled tan and white clayey silt
22						
24						
						Well set @ 25'
26						
28						
30						

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SUBSURFACE LOG

Project	**Carolina Country Convenience**		
Address	**1908 Highway 601 North, Pageland, Chesterfield County, SC**		
Boring Number	**MW-18**	Date Drilled	**04/03/18**
Sample Method	**Grab**	Drilling Method	**6" OD SS Augers**
Completion Details	**2" well completed to 24' w/screened interval from 14' to 24'**		
Driller	**Corey N. Buchanan, GRI, SCL #2202-B**	Log By	**Kaelan Schmidt, GRI**

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-6' Red clayey silt
2						
4						
6						6'-25' Tan clayey silt
8						
10						
12						
14				15'	0.0	
16						Damp @ 16'
18						
20						
22						
24						Well set @ 24'
26						
28						
30						

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-19	Date Drilled	04/04/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 30' w/screened interval from 15' to 30'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-30' Brown silty clay
2						
4						
6						
8						
10						
12						
14						
16						
18						
20				20'	0.0	
22						
24						
26						
28						
30						Well set @ 30'
32						

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SUBSURFACE LOG

Project	**Carolina Country Convenience**		
Address	**1908 Highway 601 North, Pageland, Chesterfield County, SC**		
Boring Number	**MW-20**	Date Drilled	**04/05/18**
Sample Method	**Grab**	Drilling Method	**6" OD SS Augers**
Completion Details	**2" well completed to 30' w/screened interval from 15' to 30'**		
Driller	**Corey N. Buchanan, GRI, SCL #2202-B**	Log By	**Kaelan Schmidt, GRI**

Depth	Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0				0'-0.25' Asphalt
				0.25'-1' Black fine sandy silt with gravel
2				1'-30' Brown silty clay
4				
6				
				7'-7.25 Quartz vein
8				
10				Strong odors 10' to 30'
12				
14				
		15'	3629	
16				
18				
20				
22				
24				
26				
28				
30				Well set @ 30'
32				

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-21	Date Drilled	04/05/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 30' w/screened interval from 15' to 30'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-0.25' Asphalt 0.25'-20' Orange silty clay
2						
4						
6						
8						
10						
12						
14						
16				15'	676.5	Odors at 15' to 30'
18						
20						20'-25' Red silty clay
22						
24						
26						25'-30' Brown silty clay
28						
30						Well set @ 30'
32						

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-22	Date Drilled	04/05/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 30' w/screened interval from 15' to 30'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-0.25' Asphalt 0.25'-1' Black fine sandy silt with gravel
2						1'-10' Brown silty clay
4						
6						
8						
10						10'-25' Red silty clay
12						
14						
16				15'	280.5	Strong odors 15' to 30'
18						
20						
22						
24						
26						25'-30' Brown silty clay
28						
30						Well set @ 30'
32						

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-23	Date Drilled	04/04/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 30' w/screened interval from 15' to 30'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-0.25' Gravel
						0.25'-0.50' Asphalt
2						0.5'-10' Brown silty clay
4						
6						
8						
10						10'-30' Redish brown silty clay
12						
14						
16						
18						
20				20'	0.3	
22						
24						
26						
28						
30						Well set @ 30'
32						

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-24	Date Drilled	04/04/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 37' w/screened interval from 12' to 37'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-20' Brown silty clay (minor gravel on surface)
2						
4						
6						
8						
10						
12						
14						
16						
18						
20				20'	0.0	20'-37' Orange silty clay
22						
24						
26						
28						
30						
32						
34						
36						
38						Well set @ 37'

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-25	Date Drilled	04/04/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 37' w/screened interval from 12' to 37'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-20' Orange/brown silty clay
2						
4						
6						
8						
10						
12						
14						
16						
18						
20				20'	1.2	20'-37' Brown silty clay
22						
24						
26						
28						
30						
32						
34						
36						
38						Well set @ 37'

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SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-26	Date Drilled	04/04/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 37' w/screened interval from 12' to 37'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-30' Orange/brown silty clay
2						
4						
6						
8						
10						
12						
14						
16						
18						
20				20'	0.0	
22						
24						
26						
28						
30						30'-33' Mottled white and brown silty clay
32						
34						33'-37' Brown silty clay
36						
38						Well set @ 37'

Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110

Phone: (704) 845-4010
Fax: (704) 845-4012

SUBSURFACE LOG

Project	Carolina Country Convenience		
Address	1908 Highway 601 North, Pageland, Chesterfield County, SC		
Boring Number	MW-27	Date Drilled	04/04/18
Sample Method	Grab	Drilling Method	6" OD SS Augers
Completion Details	2" well completed to 37' w/screened interval from 12' to 37'		
Driller	Corey N. Buchanan, GRI, SCL #2202-B	Log By	Kaelan Schmidt, GRI

Depth			Lab Sample	Sample Interval(ft)	OVA ppm	LITHOLOGY
0						0'-3' Brown silty clay
2						
4						3'- 20' Red silty clay
6						
8						
10						
12						
14						
16						Moist at 15'
18						
20				20'	0.0	20'-37' Orange silty clay
22						
24						
26						
28						
30						
32						
34						
36						
38						Well set @ 37'

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-15 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**
NA

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	0.25'	0.25'
Dark Brown Silty Clay	0.75'	1'
Orange/Brown Silty Clay	3'	4'
Red Silty Clay	11'	15'
Brown Silty Clay	10'	25'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-15
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 04/05/18
25 ft. Date Completed: 04/05/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 15 ft. and 25 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 20.62 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 25 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 11 ft. to 13 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 15 ft. ENE direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corey N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B C D (circle one) ✓
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Corey N. Buchanan
Signed: _____ Date: 4/5/18
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-16 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**
NA

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Tan Clayey Silt	25'	25'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	15'	

5. REMARKS:
MW-16
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 25 ft. Date Started: 04/03/18 Date Completed: 04/03/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 15 ft. and 25 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 11.89 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 25 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 11 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 150 ft. N direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corey N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B C D (circle one) ✓
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Corey N. Buchanan
Signed: _____ Date: 4/5/18
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-17 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Tan Clayey Silt	20'	20'
Mottled White and Tan Clayey Silt	5'	25'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	15'	

5. REMARKS:
MW-17
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 25 ft. Date Started: 04/03/18 Date Completed: 04/03/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 15 ft. and 25 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 11.08 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 25 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 11 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 150 ft. NW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corev N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Corey N. Buchanan Well Driller Date: 4/5/18

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-18 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Red Clayey Silt	6'	6'
Tan Clayey Silt	19'	25'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	16'	

5. REMARKS:
MW-18
Bentonite 10'-12'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 24 ft. Date Started: 04/03/18 Date Completed: 04/03/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 14 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 10'
Set Between: 14 ft. and 24 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 16.57 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 12 ft. to 24 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 10 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 225 ft. WNW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corey N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Corey N. Buchanan Well Driller Date: 4/5/18

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-19 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Clay	30'	30'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-19
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft. Date Started: 04/04/18 Date Completed: 04/04/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15'
Set Between: 15 ft. and 30 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 28.21 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 30 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 11 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 175 ft. ESE direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corev N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Corey N. Buchanan Well Driller Date: 4/5/18

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-20 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	0.25'	0.25'
Black Fine Sandy Silt with gravel	0.75'	1'
Brown Silty Clay	6'	7'
Quartz Rock Vein	0.25'	7.25'
Brown Silty Clay	22.75'	30'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-20
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft. Date Started: 04/05/18 Date Completed: 04/05/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15'
Set Between: 15 ft. and 30 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 19.21 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 30 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 11 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 75 ft. NW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corev N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B C D (circle one) ✓
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Corey N. Buchanan Well Driller Date: 4/5/18

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-21 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	0.25'	0.25'
Orange Silty Clay	19.75'	20'
Red Silty Clay	5'	25'
Brown Silty Clay	5'	30'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-21
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft. Date Started: 04/05/18 Date Completed: 04/05/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15'
Set Between: 15 ft. and 30 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 21.24 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 30 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 11 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 80 ft. WSW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corey N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Corey N. Buchanan
Signed: _____ Date: 4/5/18
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-22 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Asphalt	0.25'	0.25'
Black Fine Sandy Silt with gravel	0.75'	1'
Brown Silty Clay	9'	10'
Red Silty Clay	15'	25'
Brown Silty Clay	5'	30'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-22
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft. Date Started: 04/05/18 Date Completed: 04/05/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15'
Set Between: 15 ft. and 30 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 19.54 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 30 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 11 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 125 ft. W direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corev N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Corey N. Buchanan
Signed: _____ Date: 4/5/18
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-23 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:**
NA

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Gravel	0.25'	0.25'
Asphalt	0.25'	0.50'
Brown Silty Clay	9.5'	10'
Redish Brown Silty Clay	20'	30'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-23
Bentonite 11'-13'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 30 ft. Date Started: 04/04/18 Date Completed: 04/04/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 15 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 15'
Set Between: 15 ft. and 30 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 21.93 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 13 ft. to 30 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 11 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 125 ft. W direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe_____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corey N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B C D (circle one) ✓
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Corey N. Buchanan Date: 4/5/18
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-24 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Clay	20'	20"
Orange Silty Clay	17'	37'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-24
Bentonite 8'-10'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 37 ft. Date Started: 04/04/18 Date Completed: 04/04/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 12 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 25'
Set Between: 12 ft. and 37 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 23.29 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 10 ft. to 37 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 8 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 200 ft. WNW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corev N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Corey N. Buchanan Well Driller Date: 4/5/18

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-25 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Orange to Brown Silty Clay	20'	20'
Brown Silty Clay	17'	37'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-25
Bentonite 8'-10'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 37 ft. Date Started: 04/04/18 Date Completed: 04/04/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 12 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 25'
Set Between: 12 ft. and 37 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 19.79 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 10 ft. to 37 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 8 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 215 ft. NW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corev N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Corey N. Buchanan (Well Driller) Date: 4/5/18

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-26 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Orangey Brown Silty Clay	30'	30'
Mottled White and Brn Silty Clay	3'	33'
Brown Silty Clay	4'	37'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-26
Bentonite 8'-10'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 37 ft. Date Started: 04/04/18 Date Completed: 04/04/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 12 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 25'
Set Between: 12 ft. and 37 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 21.39 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 10 ft. to 37 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 8 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 215 ft. NW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corey N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Corey N. Buchanan
Signed: _____ Date: 4/5/18
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

Note: Personal information provided on this document is subject to public scrutiny or release.

1. WELL OWNER INFORMATION:
Name: Michael Wallace (Carolina Country Conv.) (last) (first)
Address: 1908 Highway 601 North
City: Pageland State: SC Zip: 29728-8292
Telephone: Work: Home:

2. LOCATION OF WELL: MW-27 **COUNTY:** Chesterfield
Name: Carolina Country Convenience
Street Address: 1908 Highway 601 North
City: Pageland Zip: 29728-8292
Latitude: 34.794243 N Longitude: -80.403444 W

3. PUBLIC SYSTEM NAME: NA **PUBLIC SYSTEM NUMBER:**

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
Brown Silty Clay	3'	3'
Red Silty Clay	17'	20'
Orange Silty Clay	17'	37'
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
MW-27
Bentonite 8'-10'

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☑ Other

7. PERMIT NUMBER: UST Permit #02261; UMW-26855

8. USE: ☐ Residential ☐ Public Supply ☐ Process ☐ Irrigation ☐ Air Conditioning ☐ Emergency ☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) 37 ft. Date Started: 04/04/18 Date Completed: 04/04/18

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
0 in. to 12 ft. depth
_____ in. to _____ ft. depth
Height: Above/Below ✓
Surface 0.25 ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010 Length: 25'
Set Between: 12 ft. and 37 ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 27.95 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☑ Yes ☐ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 10 ft. to 37 ft.
Effective size GP#2 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☑ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 8 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 225 ft. NW direction
Type Petroleum
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: NA Not installed ☐
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity ____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Corey N. Buchanan **CERT. NO.:** 2202
Address: (Print) 3502 Hayes Road, Monroe, NC 28110
Level: A B ✓ C D (circle one)
Telephone No.: 704-845-4010 Fax No.: 704-845-4012

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Corey N. Buchanan
Signed: _____ Date: 4/5/18
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (08/2017)

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

APPENDIX B

Well Development Data Verification Forms

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience | Site ID#: 02261

Date: 4/6/18 | Field Personnel: Kaelan Schmidt

Drilling Company: Geological Resources, Inc | Driller's Name: Corey N. Buchanan

Driller's Certification Number: 2202-B | Weather Conditions: sunny

Well Development Method

Surge Block ○ | Submersible Pump ⊘ | Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	11B100638	serial no.	11B100638	serial no. 11B100638	serial no.	16030C04886
pH=4.0	✓ 4	standard	✓ 1413		NTU=0.0	✓ 10
pH=7.0	✓ 7				NTU=1.0	✓ 200
pH=10.0	✓ 10				NTU=10.0	✓ 800

Drilling Method

Hollow Stem Augers ○ | Solid Flight Augers ⊘ | Direct Push ○

Air Rotary ○ | Mud Rotary ○ | Sonic ○

Monitoring Well ID# MW15 | Well Casing Diameter 2 inches | Borehole Diameter 6 inches

Depth to Ground Water (DGW) 20.62 ft. | Screen Length/Slot Size 10 ft./0.010 in.

Total Well Depth (TWD) 24.54 ft. | Screen Interval 15 ft. to 25 ft.

Length of water column (LWC=TWD-DGW) 3.92 ft. | Type of Drilling Fluids used: None

Total Gallons of Water Removed: 0.75 gals. | Drilling Fluids recovered N/A gals.

Time (military)	1437	1438					
pH (s.u.)*	5.46	5.41					
Specific Conductivity (mmhos/cm)*	129	88					
Water Temperature (C)*	22.13	21.45					
Turbidity (NTU) *	539	163					
Physical Characteristics (color/odor)	clear/odor	clear/odor					
Water Level Measurement (ft) from TOC	22.14	Dry					
Total Well Depth (ft) from TOC	24.54	Same					
Cumulative Gallons Removed	0.25 gals	0.75 gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submesible pump to develop well. If dry allowed to recharge

Driller Signature: Corey N. Buchanan | Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience Site ID#: 02261

Date: 4/6/18 Field Personnel: Kaelan Schmidt

Drilling Company: Geological Resources, Inc Driller's Name: COREY N. Buchanan

Driller's Certification Number: 2202-B Weather Conditions: Sunny

Well Development Method

Surge Block ○ Submersible Pump Ø Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter
serial no. 11B100638
pH=4.0 ✓ 4
pH=7.0 ✓ 7
pH=10.0 ✓ 10

Conductivity meter
serial no. 11B100638
standard ✓ 1413

Temperature meter
serial no. 11B100638

Turbidity meter
serial no. 16030C48860
NTU=0.0 ✓ 10
NTU=1.0 ✓ 100
NTU=10.0 ✓ 800

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ⊗ Direct Push ○

Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW 16 Well Casing Diameter 2 inches Borehole Diameter 6 inches

Depth to Ground Water (DGW) 11.89 ft. Screen Length/Slot Size 10 ft/ 0.010 in.

Total Well Depth (TWD) 25.29 ft. Screen Interval 15 ft. to 25 ft.

Length of water column (LWC=TWD-DGW) 13.4 ft. Type of Drilling Fluids used: None

Total Gallons of Water Removed: 3.25 gals. Drilling Fluids recovered N/A gals.

Time (military)	1050	1052	1054				
pH (s.u.)*	9.98	9.68	8.91				
Specific Conductivity (mmhos/cm)*	333	164	152				
Water Temperature (C)*	17.48	17.14	17.96				
Turbidity (NTU) *	1000+	167	1000+				
Physical Characteristics (color/odor)	brown/-	clear/-	Brown/-				
Water Level Measurement (ft) from TOC	17.85	19.33	Dry				
Total Well Depth (ft) from TOC	25.29	Same	Same				
Cumulative Gallons Removed	0.75 gals	2.25 gals	3.25 gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well. If dry allowed to recharge

Driller Signature: Corey N. Buchanan Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convienence
Site ID#: 02261
Date: 4/6/18
Field Personnel: Korlon Schmidt
Drilling Company: Geological Resources, Inc
Driller's Name: Corey N. Buchanan
Driller's Certification Number: 2202-B
Weather Conditions: Sunny

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter
serial no. 11B100638
pH=4.0 ✓ 4
pH=7.0 ✓ 7
pH=10.0 ✓ 10

Conductivity meter
serial no. 11B100638
standard ✓ 1413

Temperature meter
serial no. 11B100638

Turbidity meter
serial no. 16030C04886
NTU=0.0 ✓ 0
NTU=1.0 ✓ 200
NTU=10.0 ✓ 800

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ⊘ Direct Push ○
Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW 17
Well Casing Diameter 2 inches
Borehole Diameter 6 inches
Depth to Ground Water (DGW) 11.08 ft.
Screen Length/Slot Size 10 ft./ 0.010 in.
Total Well Depth (TWD) 25.49 ft.
Screen Interval 15 ft. to 25 ft.
Length of water column (LWC=TWD-DGW) 14.41 ft.
Type of Drilling Fluids used: None
Total Gallons of Water Removed: 3.75 gals.
Drilling Fluids recovered N/A gals.

Time (military)	1107	1109	1111				
pH (s.u.)*	6.56	6.55	6.34				
Specific Conductivity (mmhos/cm)*	96	63	46				
Water Temperature (C)*	18.17	17.95	18.69				
Turbidity (NTU) *	132	475	185				
Physical Characteristics (color/odor)	clear/-	brown/-	clear/-				
Water Level Measurement (ft) from TOC	17.32	24.46	Dry				
Total Well Depth (ft) from TOC	25.49	same	same				
Cumulative Gallons Removed	0.25 gals	2.50 gals	3.75 gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: Used submersible pump to develop well. If dry allowed to recharge

Driller Signature: Corey N. Buchanan Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience
Site ID#: 02261
Date: 4/6/19
Field Personnel: Kaelan Schmidt
Drilling Company: Geological Resources Inc
Driller's Name: Corey N. Buchanan
Driller's Certification Number: 2202-B
Weather Conditions: Sunny

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	11B100638	serial no.	11B100638	serial no. 11B100638	serial no.	16030C04866
pH=4.0	✓ 4	standard	✓ 1413		NTU=0.0	✓ 10
pH=7.0	✓ 7				NTU=1.0	✓ 200
pH=10.0	✓ 10				NTU=10.0	✓ 800

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ⊘ Direct Push ○
Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW 18 Well Casing Diameter 2 inches Borehole Diameter 6 inches
Depth to Ground Water (DGW) 16.57 ft. Screen Length/Slot Size 10 ft./0.010 in.
Total Well Depth (TWD) 24.41 ft. Screen Interval 14 ft. to 24 ft.
Length of water column (LWC=TWD-DGW) 7.84 ft. Type of Drilling Fluids used: None
Total Gallons of Water Removed: 1.25 gals. Drilling Fluids recovered N/A gals.

Time (military)	1125	1126					
pH (s.u.)*	5.94	5.98					
Specific Conductivity (mmhos/cm)*	87	86					
Water Temperature (C)*	18.63	18.47					
Turbidity (NTU) *	105	61.0					
Physical Characteristics (color/odor)	cloudy/-	clear/-					
Water Level Measurement (ft) from TOC	19.72	Dry					
Total Well Depth (ft) from TOC	24.91	same					
Cumulative Gallons Removed	0.25 gals	1.25 gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well. If dry allowed to recharge

Driller Signature: Corey N. Buchanan Date: 4/6/19

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience
Site ID#: 02261
Date: 4/6/18
Field Personnel: Kaelan Schmidt
Drilling Company: Geological Resources, Inc.
Driller's Name: Corey N. Buchanan
Driller's Certification Number: 2202-B
Weather Conditions: Sunny

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	11B100638	serial no.	11B100678	serial no. 11B100638	serial no.	16030C04866C
pH=4.0	✓ 4	standard	✓ 1413		NTU=0.0	✓ 10
pH=7.0	✓ 7				NTU=1.0	✓ 200
pH=10.0	✓ 10				NTU=10.0	✓ 800

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ⊘ Direct Push ○
Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW 19 Well Casing Diameter 2 inches Borehole Diameter 6 inches
Depth to Ground Water (DGW) 28.21 ft. Screen Length/Slot Size 15 ft./0.010 in.
Total Well Depth (TWD) 29.70 ft. Screen Interval 15 ft. to 30 ft.
Length of water column (LWC=TWD-DGW) 1.49 ft. Type of Drilling Fluids used: None
Total Gallons of Water Removed: 0.25 gals. Drilling Fluids recovered N/A gals.

Time (military)	1300						
pH (s.u.)*	NM						
Specific Conductivity (mmhos/cm)*	NM						
Water Temperature (C)*	NM						
Turbidity (NTU) *	1000+						
Physical Characteristics (color/odor)	brown/-						
Water Level Measurement (ft) from TOC	Dry						
Total Well Depth (ft) from TOC	29.70						
Cumulative Gallons Removed	0.25 gals	gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well. If dry allowed to recharge

Not enough water to begin development

Driller Signature: Corey N. Buchanan Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience | Site ID#: 02261

Date: 4/6/18 | Field Personnel: Kaelan Schmidt

Drilling Company: Geological Resources, Inc | Driller's Name: Corey N. Buchanan

Driller's Certification Number: 2202-B | Weather Conditions: Sunny

Well Development Method

Surge Block ○ | Submersible Pump ⊘ | Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	11B100638	serial no.	11B100638	serial no. 11B100638	serial no.	16030C045860
pH=4.0	✓ 4	standard	✓ 1413		NTU=0.0	✓ 10
pH=7.0	✓ 7				NTU=1.0	✓ 200
pH=10.0	✓ 10				NTU=10.0	800

Drilling Method

Hollow Stem Augers ○ | Solid Flight Augers ⊘ | Direct Push ○

Air Rotary ○ | Mud Rotary ○ | Sonic ○

Monitoring Well ID# MW20 | Well Casing Diameter 2 inches | Borehole Diameter 6 inches

Depth to Ground Water (DGW) 19.21 ft. | Screen Length/Slot Size 15 ft/ 0.010 in.

Total Well Depth (TWD) 30.07 ft. | Screen Interval 15 ft. to 30 ft.

Length of water column (LWC=TWD-DGW) 10.86 ft. | Type of Drilling Fluids used: None

Total Gallons of Water Removed: 1.75 gals. | Drilling Fluids recovered N/A gals.

Time (military)	1422	1424					
pH (s.u.)*	5.89	5.41					
Specific Conductivity (mmhos/cm)*	109	102					
Water Temperature (C)*	21.95	21.07					
Turbidity (NTU) *	380	242					
Physical Characteristics (color/odor)	clear/odor	clear/odor					
Water Level Measurement (ft) from TOC	21.44	Dry					
Total Well Depth (ft) from TOC	30.07	30.07					
Cumulative Gallons Removed	0.25 gals	1.75 gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well. If dry allowed to recharge

Driller Signature: Corey N. Buchanan | Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience Site ID#: 02261

Date: 4/6/18 Field Personnel: Kaelan Schmidt

Drilling Company: Geological Resources, Inc Driller's Name: Corey N. Buchanan

Driller's Certification Number: 2202-B Weather Conditions: sunny

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	11B100636	serial no.	11B100636	serial no. 11B100636	serial no.	16030C048660
pH=4.0	✓ 4	standard	✓ 1413		NTU=0.0	✓ 10
pH=7.0	✓ 7				NTU=1.0	✓ 200
pH=10.0	✓ 10				NTU=10.0	✓800

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ⊘ Direct Push ○

Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW 21 Well Casing Diameter 2 inches Borehole Diameter 6 inches

Depth to Ground Water (DGW) 21.24 ft. Screen Length/Slot Size 15 ft./ 0.010 in.

Total Well Depth (TWD) 29.95 ft. Screen Interval 15 ft. to 30 ft.

Length of water column (LWC=TWD-DGW) 8.71 ft. Type of Drilling Fluids used: None

Total Gallons of Water Removed: 1.50 gals. Drilling Fluids recovered N/A gals.

Time (military)	1406	1407					
pH (s.u.)*	5.66	5.37					
Specific Conductivity (mmhos/cm)*	92	115					
Water Temperature (C)*	21.71	21.98					
Turbidity (NTU) *	427	482					
Physical Characteristics (color/odor)	clear/odor	clear/odor					
Water Level Measurement (ft) from TOC	23.76	Dry					
Total Well Depth (ft) from TOC	29.95	Same					
Cumulative Gallons Removed	0.25 gals	1.50 gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well. If dry allowed to recharge

Driller Signature: Corey N. Buchanan Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience Site ID#: 02061

Date: 4/6/18 Field Personnel: Kaelan Schmidt

Drilling Company: Geological Resources, Inc Driller's Name: COREY N. Buchanan

Driller's Certification Number: 2202-B Weather Conditions: Sunny

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	11B100638	serial no.	11B100638	serial no. 11B100638	serial no.	16030C046660
pH=4.0	✓ 4	standard	✓ 1413		NTU=0.0	✓ 10
pH=7.0	✓ 7				NTU=1.0	✓ 200
pH=10.0	✓ 10				NTU=10.0	✓ 80

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ⊘ Direct Push ○

Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW22 Well Casing Diameter 2 inches Borehole Diameter 6 inches

Depth to Ground Water (DGW) 19.54 ft. Screen Length/Slot Size 15 ft/ 0.010 in.

Total Well Depth (TWD) 29.79 ft. Screen Interval 15 ft. to 30 ft.

Length of water column (LWC=TWD-DGW) 10.25 ft. Type of Drilling Fluids used: None

Total Gallons of Water Removed: 1.75 gals. Drilling Fluids recovered N/A gals.

Time (military)	1353	1355					
pH (s.u.)*	5.71	5.43					
Specific Conductivity (mmhos/cm)*	123	101					
Water Temperature (C)*	21.52	21.53					
Turbidity (NTU) *	355	237					
Physical Characteristics (color/odor)	clear/odor	clear/odor					
Water Level Measurement (ft) from TOC	23.02	Dry					
Total Well Depth (ft) from TOC	29.79	Same					
Cumulative Gallons Removed	0.25 gals	1.75 gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well, EF dry allowed to recharge

Driller Signature: Corey N Buchanan Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience
Site ID#: 02261
Date: 4/6/18
Field Personnel: Koelon Schmidt
Drilling Company: Geological Resources Inc
Driller's Name: COREY N. Bechman
Driller's Certification Number: 2202B
Weather Conditions: Sunny

Well Development Method

Surge Block ○ Submersible Pump Ø Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter
serial no. 11B100638
pH=4.0 ✓ 4
pH=7.0 ✓ 7
pH=10.0 ✓ 10

Conductivity meter
serial no. 11B100638
standard ✓ 1413

Temperature meter
serial no. 11B100638

Turbidity meter
serial no. 16030C048860
NTU=0.0 ✓ 10
NTU=1.0 ✓ 200
NTU=10.0 ✓ 800

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers Ø Direct Push ○
Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW 23 Well Casing Diameter 2 inches Borehole Diameter 6 inches
Depth to Ground Water (DGW) 21.93 ft. Screen Length/Slot Size 15 ft./ 0.010 in.
Total Well Depth (TWD) 30.03 ft. Screen Interval 15 ft. to 30 ft.
Length of water column (LWC=TWD-DGW) 8.10 ft. Type of Drilling Fluids used: None
Total Gallons of Water Removed: 1.50 gals. Drilling Fluids recovered N/A gals.

Time (military)	1308	1710					
pH (s.u.)*	5.59	5.32					
Specific Conductivity (mmhos/cm)*	109	175					
Water Temperature (C)*	20.17	19.86					
Turbidity (NTU) *	326	156					
Physical Characteristics (color/odor)	brown/-	clear/-					
Water Level Measurement (ft) from TOC	24.46	Dry					
Total Well Depth (ft) from TOC	30.03	Same					
Cumulative Gallons Removed	0.25 gals	1.50 gals	gals	gals	gals	gals	gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well. If dry allowed to recharge

Driller Signature: Corey N. Bechman Date: 4/6/18

Well Development Data Verfication Form
Underground Storage Tank Management Division

Facility Name: Carolina Country Convenience Site ID#: 02261

Date: 4/6/18 Field Personnel: Korlan Schmidt

Drilling Company: Geological Resources, Inc Driller's Name: COREY N. Buchanan

Driller's Certification Number: 2202-B Weather Conditions: sunny

Well Development Method

Surge Block ○ Submersible Pump ⊘ Air Lifting ○

* Bailing can be combined with any of the above methods, but not utilized alone for development.

Quality Assurance

pH meter		Conductivity meter		Temperature meter	Turbidity meter	
serial no.	11B100638	serial no.	11B100638	serial no. 11B100638	serial no.	160306048860
pH=4.0	✓ 4	standard	✓ 1413		NTU=0.0	✓ 10
pH=7.0	✓ 7				NTU=1.0	✓ 200
pH=10.0	✓ 10				NTU=10.0	✓ 800

Drilling Method

Hollow Stem Augers ○ Solid Flight Augers ⊘ Direct Push ○

Air Rotary ○ Mud Rotary ○ Sonic ○

Monitoring Well ID# MW 24 Well Casing Diameter 2 inches Borehole Diameter 6 inches

Depth to Ground Water (DGW) 23.29 ft. Screen Length/Slot Size 25 ft./0.010 in.

Total Well Depth (TWD) 37.68 ft. Screen Interval 12 ft. to 37 ft.

Length of water column (LWC=TWD-DGW) 14.39 ft. Type of Drilling Fluids used: None

Total Gallons of Water Removed: 15.00 gals. Drilling Fluids recovered N/A gals.

Time (military)	1154	1156	1157	1200	1202	1204	1207
pH (s.u.)*	5.56	5.64	5.63	5.74	5.90	5.95	6.00
Specific Conductivity (mmhos/cm)*	131	123	153	219	214	221	227
Water Temperature (C)*	20.10	20.25	20.29	20.34	20.32	20.23	20.21
Turbidity (NTU) *	1000+	1000+	1000+	1000+	1000+	1000+	1000+
Physical Characteristics (color/odor)	brown/-	brown/-	brown/-	brown/-	brown/-	brown/-	brown/-
Water Level Measurement (ft) from TOC	25.84	27.48	28.89	29.65	31.63	32.77	32.77
Total Well Depth (ft) from TOC	37.68	same	same	same	same	same	same
Cumulative Gallons Removed	0.25 gals	2.50 gals	5.00 gals	7.50 gals	10.00 gals	12.50 gals	15.00 gals

* Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are ± 10%.

Detailed description of Well Development process: used submersible pump to develop well, If dry allowed to recharge

Driller Signature: Corey N Buchanan Date: 4/6/18