3.1 Water Supply Sample	1	sample	$24.88		$24.88
4.1 HydraSleeve		sample	$53.00		$0.00
4.2A No-purge Groundwater Sample/Surface water		sample	$31.67		$0.00
5.1 Gauge Well only		sample	$7.92		$0.00
6.1 Sample Below Product		sample	$13.57		$0.00
7.1 Passive Diffusion Bag		sample	$29.40		$0.00
8.1 Field Duplicates (MWs & WSWs) and Field Blan	7	sample	$27.83		$194.81
9.1 Groundwater (low flow purge)		sample	$102.93		$0.00
10.1 Equipment Blank		sample	$27.83		$0.00
11. Sample Product		per well	$48.76		$0.00
K. Laboratory Analyses-Groundwater					
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	55	per sample	$137.98		$7,588.90
2.1 Lead, Filtered		per sample	$15.60		$0.00
3.1 Rush EPA Method 8260B		per sample	$173.72		$0.00
4.1 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$31.67		$0.00
5.1 PAH's		per sample	$68.54		$0.00
6.1 Lead		per sample	$18.09		$0.00
7.1 EDB by EPA 8011	54	per sample	$51.12		$2,760.48
8.1 EDB by EPA Method 8011 Rush		per sample	$77.14		$0.00
9.1 8 RCRA Metals		per sample	$71.71		$0.00
10.1 TPH (9070)		per sample	$46.38		$0.00
11.1 PH		per sample	$5.88		$0.00
12.1 BOD		per sample	$22.62		$0.00
13.1 Ethanol		per sample	$16.74		$0.00
K. Analyses-Drinking Water					
14.1 BTEXNM+1,2 DCA (524.2)	4	per sample	$140.30		$561.20
15.1 7-OXYGENATES & ETHANOL (8260D)	4	per sample	$103.77		$415.08
16.1 EDB (504.1)	3	per sample	$89.92		$269.76
17.1 RCRA METALS (200.8)		per sample	$113.10		$0.00
K. Analyses-Soil					
18.1 BTEX + Naphth.		per sample	$72.39		$0.00
19.1 PAH's		per sample	$72.43		$0.00
20.1 8 RCRA Metals		per sample	$63.79		$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	$45.24		$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	$40.67		$0.00
23.1 Grain size/hydrometer		per sample	$117.63		$0.00
24.1 Total Organic Carbon		per sample	$34.61		$0.00
K. Analyses-Air					
25.1 BTEX + Naphthalene		per sample	$244.30		$0.00
K. Hydrocarbon Fuel Identification					$0.00
27. C3-C44 Whole Oil (ASTM D3328)		per sample	$431.42		$0.00
28. Fuel Oxygenates (1624 Mod)		per sample	$368.88		$0.00
29. ALKYL Leads, EDB MMT (8080)		per sample	$368.88		$0.00
30. C8-C40 Full Scan (ASTM 5739)		per sample	$583.00		$0.00
31. Simulated Distillation (ASTM 2887)		per sample	$368.88		$0.00
32. Parent & Alk. PAH Com. (8270 SIM)		per sample	$670.03		$0.00
33. C3-C10 Piano (8260 MOD)		per sample	$555.44		$0.00
34. C10+Alkane Fingerprints		per sample	$555.44		$0.00
35. Expert Data Interpretation & Report		each	$551.20		$0.00

L. Aquifer Characterization*					
1.1 Pumping Test		per hour	$26.01		$0.00
2.1 Slug Test		per test	$216.03		$0.00
3.1 Fractured Rock		per test	$113.10		$0.00
M. Free Product *					
1. Free Product Recovery Rate Test		each	$42.98		$0.00
N.					
O. Risk Evaluation					
1.1 Tier I Risk Evaluation		each	$339.31		$0.00
2.1 Tier II Risk Evaluation		each	$113.10		$0.00
P. Survey*					
1. Subsequent Survey		each	$275.60		$0.00
Q. Disposal (gallons or tons)*					
1.1 Wastewater	300	gallon	$0.64		$192.00
2.1 Free Product		gallon	$0.56		$0.00
3.1 Soil Treatment/Disposal		ton	$67.86		$0.00
4.1 Drilling fluids		gallon	$0.48		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.1 Southeast Region		standard	$11,687.56		$0.00
2.1 All Other Counties		standard	$12,818.58		$0.00
U. IGWA (Use DHEC 3666 form)					
1.1 Southeast Region		standard	$4,031.18		$0.00
2.1 All Other Counties		standard	$4,370.38		$0.00
V. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.1 8-hour Event*		per event	$1,655.00		$0.00
2. 24-hour Event*		per event	$4,081.28		$0.00
3. 48-hour Event*		per event	$6,706.10		$0.00
4. 96-hour Event*		per event	$13,409.52		$0.00
5. Off-gas Treatment 8 hour		per event	$130.71		$0.00
6.1 Off-gas Treatment 24 hour		per event	$272.50		$0.00
7.1 Off-gas Treatment 48 hour		per event	$357.50		$0.00
8. Off-gas Treatment 96 hour		per event	$832.26		$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$430.00		$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$500.00		$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,000.00		$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,000.00		$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.59		$0.00
14.1 AFVR Site Reconnaissance		each	$280.00		$0.00
15. Additional Hook-ups		each	$27.48		$0.00
16.1 AFVR Effluent Disposal		gallon	$0.49		$0.00
17.1 AFVR Mobilization/Demobilization		each	$720.00		$0.00
18. Mobilization for absorbents/skimmers		each	$531.25		$0.00
19. Well sock 2" ID well		each	$34.20		$0.00
20. Well sock 4" ID well		each	$45.40		$0.00

21. pad (per pad)		each	$46.25		$0.00
22. 3" diameter x 10' length boom		each	$100.00		$0.00
23. 5" diameter x 10' length boom		each	$123.00		$0.00
24. New FPP recovery skimmer (2" wells)		each	$732.50		$0.00
25. New FPP recovery skimmer (4" wells)		each	$1,155.00		$0.00
26. Refurbished FPP recovery skimmer (2" or 4" wells)		each	$704.00		$0.00
27. Disposal of Absorbents		pound	$3.80		$0.00
28. Disposal of product from skimmers		gallon	$0.46		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.1 New GAC System Installation*		each	$2,148.94		$0.00
2.1 Refurbished GAC Sys. Install*		each	$1,017.92		$0.00
3.1 Filter replacement/removal*		each	$395.86		$0.00
4.1 GAC System removal, cleaning, & refurbishment*		each	$311.04		$0.00
5.1 GAC System housing*		each	$282.76		$0.00
6.1 In-line particulate filter		each	$169.65		$0.00
7.1 Additional piping & fittings		foot	$1.70		$0.00
Y. Well Repair					
1.1 Additional Copies of the Report Delivered		each	$56.55		$0.00
2.1 Repair 2x2 MW pad*		each	$56.55		$0.00
3.1 Repair 4x4 MW pad*		each	$99.53		$0.00
4.1 Replace well vault*		each	$133.46		$0.00
5.1 Replace well cover bolts		each	$2.94		$0.00
6.1 Replace locking well cap & lock		each	$16.96		$0.00
7.1 Replace/Repair stick-up*		each	$151.56		$0.00
8.1 Convert Flush-mount to Stick-up*		each	$169.65		$0.00
9.1 Convert Stick-up to Flush-mount*		each	$147.03		$0.00
10.1 Replace missing/illegible well ID plate		each	$13.57		$0.00
11. Down-hole Camera		per foot	$27.08		$0.00
Z. High Resolution Site Characterization					
1. HRSC Screening Equipment Mobilization		each	$1,360.00		$0.00
2. HRSC Drilling Category 1		per foot	$29.00		$0.00
3. HRSC Drilling Category 2		per foot	$33.50		$0.00
4. HRSC Drilling Category 3		per foot	$27.00		$0.00
5. HRSC 3-D Model		each	$4,040.00		$0.00
S. Report Prep & Project Management	12%	percent	$16,937.16		$2,032.46
TOTAL					$18,969.62

dhec
Healthy People. Healthy Communities.

AUG 26 2022



CAROLINA COUNTRY LLC
1908 HIGHWAY 601 NORTH
PAGELAND SC 29728

Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
Carolina Country Convenience, 1908 Highway 601 North, Pageland, SC
UST Permit #02261; CA #65980
Release #2 reported October 11, 2012
Site Specific Work Plan received July 22, 2022
Chesterfield County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST 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 your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

Please note the following changes to the cost agreement and SSWP:

- J.3. Added 2 in case PW-1 and PW-2 are available for sampling (PW-1 was sampled for 18871 in April 2021).
- J.2A. Added 1 to include the pond ~915 feet SW of the site.
- K.1. Added 1 to include surface water.
- K.6. Added lead because multiple wells were above RBSL in 2014 and have not been analyzed for lead since.
- K.7. Added 1 to include surface water.
- K.14. Added 2 to include PW-1 and PW-2.
- K.15. Added 2 to include PW-1 and PW-2.
- K.16 Added 2 to include PW-1 and PW-2.
- K.17. Added lead because multiple wells were above RBSL in 2014 and have not been analyzed for lead since.

The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** 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.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". According to UST Division records, approximately $225,592.12 has been expended from the SUPERB Account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately $21,662.04.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST 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 UST 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 a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST 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 the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0599, by fax at (803) 898-0673, or by email at hillnl@dhec.sc.gov.

Sincerely,

Niki Hill

Niki Hill, Hydrogeologist
Assessment & Non-Permitted Petroleum 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 65980

Facility: 02261 CAROLINA COUNTRY CONVENIENCE
HILLNL
PO Number: 93804

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
A PLAN PREPARATION						
		1.1	SITE SPECIFIC WORK PLAN	1.0000	$169.650	169.65
D MOB/DEMOB						
		2.1	PERSONNEL	3.0000	$478.420	1,435.26
J SAMPLE COLLECTION						
		1.1	GROUND WATER PURGE	49.0000	$67.860	3,325.14
		3.1	WATER SUPPLY SAMPLE	3.0000	$24.880	74.64
		4.2A	NO-PURGE GW SAMPLE/SURFACE	1.0000	$31.670	31.67
		8.1	FIELD DUPL. (MWS & WSWS) & FB	7.0000	$27.830	194.81
K ANALYSES						
	DW DRINKING WATER	14.1	BTEXNM+1,2 DCA (524.2) WSW	6.0000	$140.300	841.80
		15.1	OXYGENATES & ETHANOL 8260B WSW	6.0000	$103.770	622.62
		16.1	EDB (504.1) WSW	5.0000	$89.920	449.60
		17.1	RCRA METALS (200.8)	4.0000	$113.100	452.40
	GW GROUNDWATER	1.1	BTEXNM+OXYGS+1,2 DCA+ETH-8260D	56.0000	$137.980	7,726.88
		6.1	LEAD	56.0000	$18.090	1,013.04
		7.1	EDB BY EPA 8011	55.0000	$51.120	2,811.60
Q DISPOSAL						
		1.1	WASTEWATER	300.0000	$0.640	192.00
S REPORT PROJECT MANAGEMENT						
		S	REPORT PREP & PROJ. MANAGEMENT	0.1200	$19,341.110	2,320.93
				Total Amount		21,662.04

CD's Information

Date Received: 11/7/22

Permit Number: 02261

Project Manager: Niki Hill

Contractor: GRI Inc

Description: GWS rpt

Docket Number: Cole T **Initials:** _____

Scanned by: _____

Verified by: _____

Geological Resources, Inc.

November 1, 2022

Ms. Niki Hill
SCDHEC
UST Management Division
Bureau of Land & Waste Management
2600 Bull Street
Columbia, SC 29201

Re: Ground Water Monitoring Report
September 2022
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
South Carolina
UST Permit Number: 02261
GRI Project Number: 3289

Dear Ms. Hill,

Please find enclosed the referenced report for the abovementioned 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. 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

Geological Resources, Inc.

Ground Water Monitoring Report
September 2022
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
South Carolina
UST Permit Number: 02261
GRI Project Number: 3289



Prepared for:

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

November 1, 2022

SAMUEL L. McKAY, III
REGISTERED
2783
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

Samuel, L McKay, III, P.G.
License No. 2783

W. Scott Ball
Project Manager

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
Class 1 UST Site Rehabilitation Contractor #74

TABLE OF CONTENTS

1. INTRODUCTION 1
1.1 Project Background 1
1.2 Regional Geology/Hydrogeology 1
2. SITE INFORMATION 2
3. ASSESSMENT INFORMATION 2
3.1 Site Geology/Hydrogeology 2
3.2 Ground Water Quality 4
4. QA/QC 6
5. CONCLUSIONS AND RECOMMENDATIONS 6
6. LIMITATIONS 7

FIGURES

Figure 1: Site Location Map
Figure 2: Site Vicinity Map
Figure 3: Site Map
Figure 4: Potentiometric Surface Map – Shallow Wells
Figure 5: Potentiometric Surface Map – Intermediate Wells
Figure 6: Potentiometric Surface Map – Deep Wells
Figure 7: Ground Water Quality Map – Shallow Wells
Figure 8: Ground Water Quality Map – Intermediate Wells
Figure 9: Ground Water Quality Map – Deep Wells

TABLES

Table 1: Summary of Ground Water Elevation Data
Table 2: Summary of Laboratory Analytical Results – Ground Water Samples – Chemicals of Concern
Table 3: Summary of Laboratory Analytical Results – Ground Water Samples – Oxygenates

APPENDICES

Appendix A: Laboratory Analytical Report - Ground Water Samples
Appendix B: Field Data Information Sheets
Appendix C: Purge Water Disposal Manifest
Appendix D: Contractor Checklist

1. INTRODUCTION

1.1 Project Background

This report presents the results of ground water sampling activities conducted in September 2022 at the Carolina Country Convenience site, located at 1908 Highway 601 North in Pageland, Chesterfield County, South Carolina. A topographic map showing the general location of the subject property and the surrounding area is included as **Figure 1**. The activities were conducted in accordance with the Site-Specific Work Plan Approval and Groundwater Sampling Notice to Proceed dated August 26, 2022, 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 currently contains an active petroleum retail facility and convenience store. Adjacent properties are currently used for residential, agricultural, and limited commercial purposes.

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, laboratory analyses of soil and ground water samples reported levels of COCs above the RBSLs. Public water is available to and used by many of the residential and commercial properties in the area.

Three water supply wells (PW-1 through PW-3) were identified within a 1,000-foot radius of the source area. PW-1 is currently out-of-service and located within a locked, fenced area at the former Eddies Pitt Stop site. PW-2 is not in service and the residence where the well is located is using municipal water. PW-3 is currently used as a source of potable water. One surface water body, a farm pond, is located approximately 915 feet to the southwest of the source area. No underground structures were identified within 1,000 feet of the site. Underground utilities (water and sewer lines) are located along Highway 601 on the west side of the site. Fiber optic lines are also located along Highway 601 also on the western edge of the site. A Site Vicinity Map showing the locations of the water supply wells and the pond is included as **Figure 2**. The last comprehensive ground water sampling event conducted at the site occurred in July 2020. Contaminants of concern (COCs) above their respective risk-based screening levels (RBSLs) and/or action levels have been reported in several monitoring wells at the site. This report summarizes the September 2022 ground water monitoring results.

1.2 Regional Geology/Hydrogeology

The site is located in Chesterfield County in the Carolina Terrane of meta-volcanic and meta-sedimentary rocks. Locally, the Carolina Terrane consists of intermediate to felsic pyroclastic rocks that are collectively greater than 3 km thick, possibly a sequence of ashflow tuffs deposited in a sub-aerial environment. The upper part is predominantly meta-sedimentary clastic rocks. The hydrology in the Carolina Terrane can be complex with unconfined, confined, and semi-confined aquifers.

2. SITE INFORMATION

- **Site Identification**
  - Site Name: Carolina Country Convenience
  - Location of Source Area: 1908 Highway 601 North
    Pageland, SC 29728
    Chesterfield County
    34.7940878°N, 80.4035483°W (Topographical Map)
  - UST Permit Number: 02261
  - Land Use: Commercial

- **Information about Contacts Associated with the Leaking UST System**

UST/AST Owner
Abdul Almontaser
701 S Pearl St
Pageland, SC 29728
(704) 338-2968
abdul05mailik@yahoo.com

Property Owner
Abdul Almontaser
701 S Pearl St
Pageland, SC 29728
(704) 338-2968
abdul05mailik@yahoo.com

Analytical Laboratory
Waypoint Analytical, LLC
449 Springbrook Road
Charlotte, NC 28217
State Certification No. 402
(704) 529-0409

UST/AST Operator
Abdul Almontaser
701 S Pearl St
Pageland, SC 29728
(704) 338-2968
abdul05mailik@yahoo.com

Site Rehabilitation Contractor
Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110
704-845-4010
Class 1, Certification Number 74

- **Information about Release**
  - Release was discovered October 11, 2012
  - An unknown amount of product was released from a leaking UST system
  - One 10,000-gallon regular gasoline UST, one 6,000-gallon regular gasoline UST, and one 6,000-gallon premium gasoline UST are currently in use at the site.

3. ASSESSMENT INFORMATION

3.1 Site Geology/Hydrogeology

Based on the data obtained during previous subsurface investigations, the site and the immediate vicinity are underlain by various silts, clays and sands which represent the weathered products of the underlying metamorphic rocks. These materials grade into more competent bedrock at depths ranging from approximately 30 to 45 feet below ground surface.

Sixteen Type III monitoring wells (MW-2, through MW-4, MW-6, MW-8, MW-12, MW-13, MW-19, MW-25, MW-26, MW-32, MW-34 and MW-28I through MW-31I) and eight telescoping monitoring wells (TW-2, TW-4 through TW-10) were gauged, purged, and sampled on September 20, through September 22, 2022. Monitoring wells MW-7 and TW-1 were not found, and MW-23 and TW-3 were reportedly damaged. MW-10, MW-11, and MW-15 through 18 are suspected to have been paved over during reconstruction at the site. MW-1, MW-5, MW-9, MW-14, MW-20 through MW-22, MW-24, MW-27 through MW-31, MW-33 and MW-35 were dry or had limited water. Therefore, those monitoring wells were not sampled. The water supply well PW-3 was also sampled. A surface water sample was also taken

from the farm pond approximately 915 feet from the site. The remaining monitoring wells and telescoping wells were purged using dedicated polyethylene bailers prior to sampling and the samples were subsequently submitted for laboratory analysis of VOCs by Method 8260D, EDB by Method 8011, and Lead by Method 6010D.

The depths to ground water in the Type III monitoring wells at the site, measured on September 20, 2022, ranged from 24.30 feet to 47.72 feet below the top of casings. Depths to ground water in the telescoping wells ranged from 28.76 to 50.81 feet. Based on the depth of the monitoring well screen intervals, the wells were classified as shallow, intermediate or deep. Ground water elevations in the shallow monitoring wells relative to a GPS measured benchmark ranged from 68.78 to 75.15 feet. The shallow horizontal hydraulic gradient across the site was approximately 0.03 feet/foot to the west. Ground water elevations in the intermediate monitoring wells ranged from 68.56 to 77.97 feet. The intermediate horizontal hydraulic gradient across the site was approximately 0.04 feet/foot west. Ground water elevations in the deep monitoring wells (Type II and telescoping) ranged from 67.66 to 70.57 feet. The deep horizontal hydraulic gradient across the site was approximately 0.007 feet/foot to the east. The vertical hydraulic gradient for the shallow and deep well pair MW-22/TW-5 is 0.095 feet/foot downward. The vertical hydraulic gradients for intermediate and deep wells pairs MW-8/TW-2, MW-14/TW-4, MW-13/TW-5, MW-5/TW-6, MW-32/TW-7, MW-33/TW-8, MW-34/TW-9, and MW-35/TW-10 are between 0.010 and 0.235 feet/foot downward and 0.031 feet/foot upward. A Site Map showing the locations of the monitoring wells and the structures on-site has been included as **Figure 2**. Shallow, intermediate, and deep potentiometric surface maps have been included as **Figures 4, 5, and 6**, respectively. A summary of ground water gauging data for the September 2022 sampling event is presented in **Table 1**. A summary of the September 2022 gauging data is shown below:

Well No.	**Top of Casing Elevation** (ft)	**Depth to Ground Water** (ft)	**Ground Water Elevation** (ft)	**Constructed Well Depth** (ft)	**Screened Interval** (ft)
MW-1	101.09	24.30	76.79	35	25-35
MW-2	105.45	36.84	68.61	42	37-42
MW-3	102.34	33.33	69.01	42	37-42
MW-4	103.89	34.24	69.65	42	37-42
MW-5	109.60	40.85	68.75	42	37-42
MW-6	100.93	27.57	73.36	35	30-35
MW-7	96.55	NF	NM	30	25-30
MW-8	97.79	28.73	69.06	30	25-30
MW-9	101.45	NF	NM	30	25-30
MW-10	102.08	NF	NM	35	30-35
MW-11	101.41	NF	NM	35	30-35
MW-12	103.43	33.93	69.50	35	30-35
MW-13	102.12	32.76	69.36	35	30-35
MW-14	104.11	34.90	69.21	35	30-35
MW-15	101.01	NF	NM	25	15-25
MW-16	93.76	NF	NM	25	15-25
MW-17	95.32	NF	NM	25	15-25
MW-18	97.70	NF	NM	24	14-24
MW-19	100.86	29.38	71.48	30	15-30

Well No.	Top of Casing Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
MW-20	101.50	29.63	71.87	30	15-30
MW-21	103.41	29.62	73.79	30	15-30
MW-22	102.01	29.06	72.95	30	15-30
MW-23	103.98	Damaged	NM	30	15-30
MW-24	105.46	36.68	68.78	37	12-37
MW-25	102.33	33.31	69.02	37	12-37
MW-26	103.87	35.05	68.82	37	12-37
MW-27	109.95	Dry	NM	37	12-37
MW-28	104.81	29.66	75.15	30	15-30
MW-29	102.75	Dry	NM	30	15-30
MW-30	103.35	29.29	74.06	30	15-30
MW-31	103.48	29.33	74.15	30	15-30
MW-32	99.99	22.02	77.97	35	20-35
MW-33	113.97	43.29	70.68	40	20-40
MW-34	115.98	47.42	68.56	50	30-50
MW-35	118.89	Dry	NM	50	30-50
MW-28I	104.27	35.52	68.75	56	51-56
MW-29I	102.70	33.21	69.49	56	51-56
MW-30I	103.28	34.76	68.52	56	51-56
MW-31I	103.48	34.25	69.23	56	51-56
TW-1	96.74	NF	NM	56	51-56
TW-2	96.76	28.76	68.00	56	51-56
TW-3	101.30	Damaged	NM	56	51-56
TW-4	104.00	35.66	68.34	61	56-61
TW-5	102.09	31.93	70.16	61	56-61
TW-6	110.32	41.82	68.50	68	63-68
TW-7	100.01	29.44	70.57	61	56-61
TW-8	113.63	45.51	68.12	68	63-68
TW-9	115.72	48.26	67.46	68	63-68
TW-10	118.47	50.81	67.66	68	63-68

3.2 Ground Water Quality

Field readings (pH, specific conductivity, temperature, dissolved oxygen, and turbidity) were collected from the purged wells after each well volume was removed and recorded on field data information sheets. Ground water samples collected from the monitoring wells were analyzed for the following compounds: BTEX, MTBE, naphthalene, 1,2-DCA and 8 oxygenates by EPA Method 8260D, and EDB by Method 8011.

Concentrations of BTEX constituents, MTBE, naphthalene, 1,2-DCA, and/or EDB that exceeded the RBSLs were reported in the ground water samples collected from MW-12, MW-13, and MW-28I through MW-31I, TW-4, and TW-8. Concentrations of oxygenates TAA and TBA that exceeded the action levels were reported in ground water samples MW-12, MW-13, MW-28I, MW-29I, MW-31I, TW-4, and TW-8. No contaminant concentrations were reported in the water supply well sample (PW-3) or the surface water sample (SW-1). A summary of the September 2022 ground water sampling data is shown below:

Well No.	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	LEAD
RBSL (µg/l)	**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
MW-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00338	0.033
MW-3	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00337	0.005 J
MW-4	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00340	NS
MW-5	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
MW-7	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
MW-9	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	**20,300**	**1,030**	**3,310**	9,920	**703**	**742**	**374**	NS	NS
MW-13	**2,380**	56.5	215	2,380	<14.0	**260**	<15.0	NS	0.009
MW-14	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-15	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-17	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-18	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	<0.002
MW-20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-21	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-22	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-23	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-24	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	0.011
MW-26	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
MW-27	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-28	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-29	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-30	NS	NS	NS	NS	NS	NS	NS	NS	NS
`MW-31	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-32	2.5	<0.220	<0.170	<0.210	0.227 J	2	<0.150	<0.00345	0.004 J
MW-33	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-34	<0.180	<0.220	<0.170	<0.210	1.0	<0.470	<0.150	<0.00337	0.008
MW-35	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-28I	**12,100**	518	1,540	3,870	**2,000**	**446**	**382**	**1.00**	0.022
MW-29I	**9,370**	269	790	1,930	**2,080**	**268**	**382**	**0.394**	0.012
MW-30I	**534**	1.1	217	38	**65.3**	**57.6**	**29.4**	**0.136**	0.006
MW-31I	**9,250**	869	**1,620**	4,280	**464**	**349**	**138**	**7.13**	0.014
TW-1	NS	NS	NS	NS	NS	NS	NS	NS	NS
TW-2	<0.180	5	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00342	<0.002
TW-3	NS	NS	NS	NS	NS	NS	NS	NS	NS
TW-4	**11,800**	191	**1,330**	1,340	**2,190**	**365**	**362**	**0.373**	<0.002
TW-5	<0.180	10	<0.170	<0.210	0.472 J	<0.470	<0.150	<0.00342	0.012
TW-6	<0.180	15	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00348	0.005 J

Well No.	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	LEAD
TW-7	0.6	49	<0.170	<0.210	0.390 J	<0.470	<0.150	<0.00351	0.040
TW-8	**307**	<2.20	59.5	10.0	**579**	**50.9**	**85.5**	<0.00343	<0.002
TW-9	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00347	0.014
TW-10	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00340	0.004 J
PW-3	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.00345	<0.002
SW-1	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00348	NR

Ground water quality maps for the shallow, intermediate and deep wells based on data from the September 2022 sampling event have been included as **Figures 7, 8, and 9**, respectively. Summaries of ground water analytical results are presented in **Table 2** and **Table 3**. A complete laboratory analytical report has been included as **Appendix A**. Field Data Information Sheets are attached as **Appendix B**. A disposal manifest for the purge water generated during the sampling event has been included as **Appendix C**.

4. QA/QC

Monitoring well gauging, purging and sampling was conducted in general accordance with the SCDHEC UST QAPP and the approved site-specific Contractor Addendum. All wells were purged and sampled with dedicated disposable bailers. All field measurement equipment was properly decontaminated between sampling locations. Duplicate samples from monitoring well MW-28I (DUP-B), TW-4 (DUP-C), and PW-3 (DUP-D) and field blanks were collected during the sampling activities. A laboratory provided trip blank was included in the sample cooler. Laboratory results for each sample and their respective duplicate sample showed the same compounds at similar concentrations. No detectable concentrations of requested method constituents were reported in the field blank or trip blank. A water supply well field blank was also collected. A laboratory provided water supply well trip blank was included in the sample cooler. No other detectable concentrations of target analytes were reported for the water supply well sample, the duplicate, the trip blank or the field blank. All applicable items on the Contractor Checklist were reviewed and verified. A copy of the Contractor Checklist is included as **Appendix D**.

5. CONCLUSIONS AND RECOMMENDATIONS

- Sixteen Type III monitoring wells and eight telescoping monitoring wells were gauged, purged, and sampled on September 20 through 22, 2022.
- Ground water elevations in the shallow monitoring wells relative to a GPS measured benchmark ranged from 68.78 to 75.15 feet. The shallow horizontal hydraulic gradient across the site was approximately 0.03 feet/foot to the west.
- Ground water elevations in the intermediate monitoring wells ranged from 68.56 to 77.97 feet. The intermediate horizontal hydraulic gradient across the site was approximately 0.04 feet/foot west.
- Ground water elevations in the deep monitoring wells (Type II and telescoping) ranged from 67.66 to 70.57 feet. The deep horizontal hydraulic gradient across the site was approximately 0.007 feet/foot to the east.
- The vertical hydraulic gradient for the shallow and deep well pair MW-22/TW-5 is 0.095 feet/foot downward. The vertical hydraulic gradients for intermediate and deep wells pairs MW-8/TW-2, MW-

14/TW-4, MW-13/TW-5, MW-5/TW-6, MW-32/TW-7, MW-33/TW-8, MW-34/TW-9, and MW-35/TW-10 are between 0.010 and 0.235 feet/foot downward and 0.031 feet/foot upward.

- Concentrations of BTEX constituents, MTBE, naphthalene, 1,2-DCA, and/or EDB that exceeded the RBSLs were reported in the ground water samples collected from MW-12, MW-13, MW-28I through MW-31I, TW-4, and TW-8.
- Concentrations of oxygenates TAA and TBA that exceeded the action levels were reported in ground water samples MW-12, MW-13, MW-28I, MW-29I, MW-31I, TW-4, and TW-8.
- No contaminant concentrations were reported in the water supply well sample (PW-3) or the surface water sample (SW-1).

GRI makes the following recommendations:

- MMPE events should be conducted on the shallow monitoring wells MW-12 and MW-13 to reduce contaminant concentrations in the shallow aquifer.
- Based on the reported laboratory data and the presence of nearby potable water supply well PW-3, ground water sampling events should continue at the site as directed by SCDHEC.

6. LIMITATIONS

This report has been prepared for the exclusive use of Carolina Country, LLC and the SCDHEC for specific application to the referenced site in Chesterfield County, South Carolina. The assessment was 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.

FIGURES

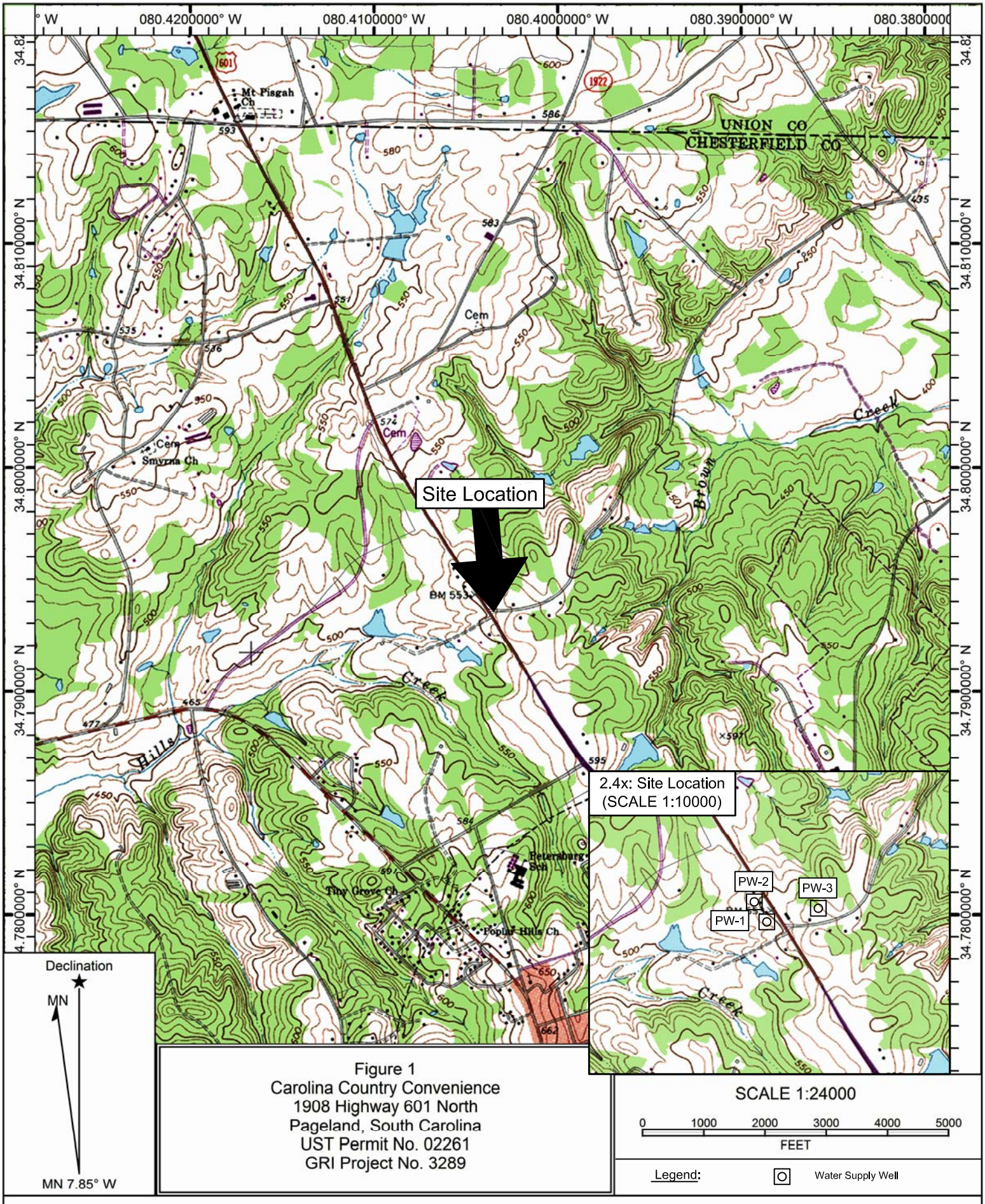


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

Name: Topographic Map
Date: 04/19/16
Scale: 1 inch = 2,000 ft.

Map Center Location: 034.7940878° N 080.4035483° W

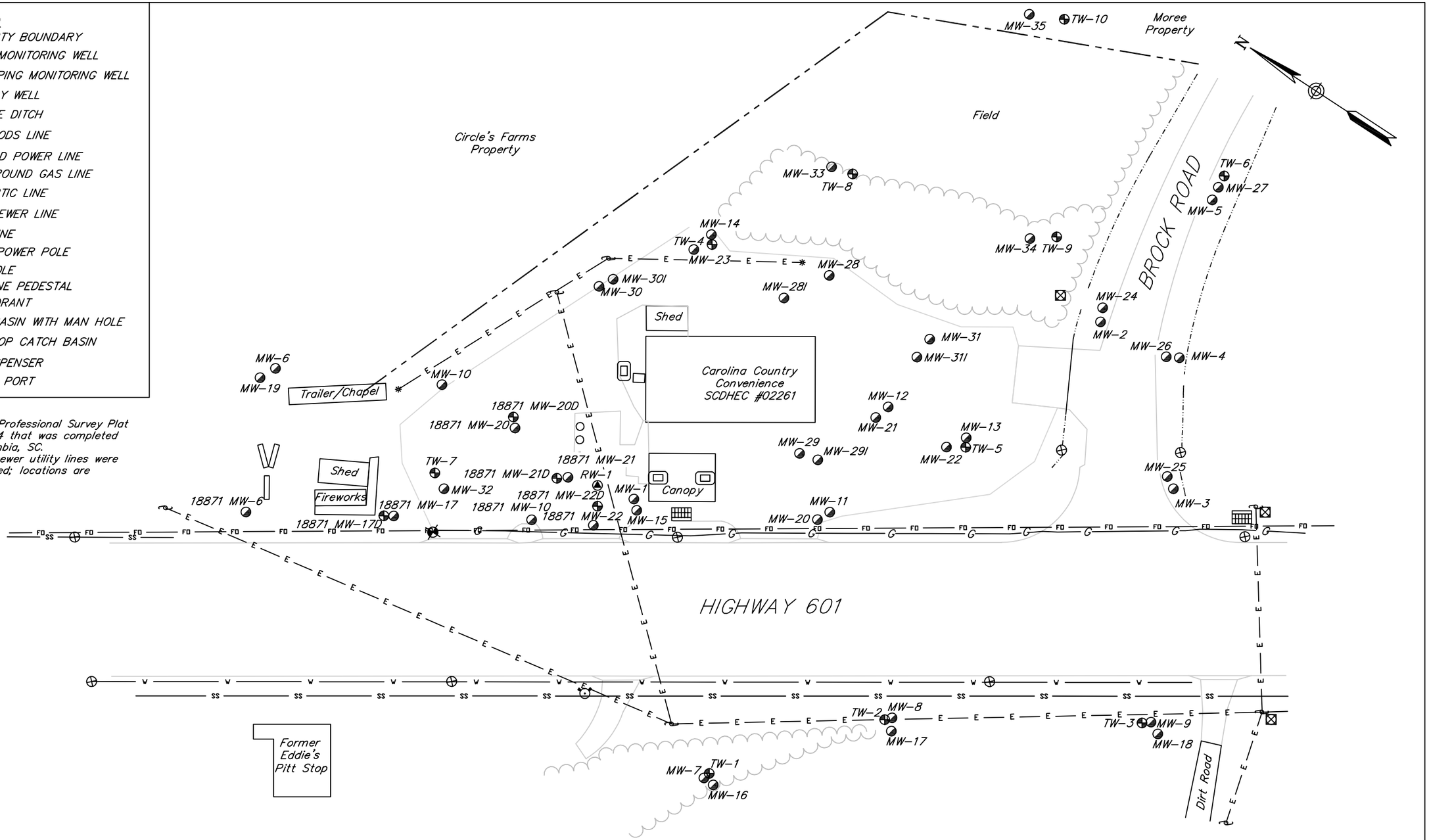
Generated by Geological Resources, Inc.


N
LEGEND
Water Supply Well
030-000-000-005
Parcel ID Number
Outline of Pond
0
100
200
400
Feet
SCALE: 1 INCH = 200 FEET
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
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

- PROPERTY BOUNDARY
- 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

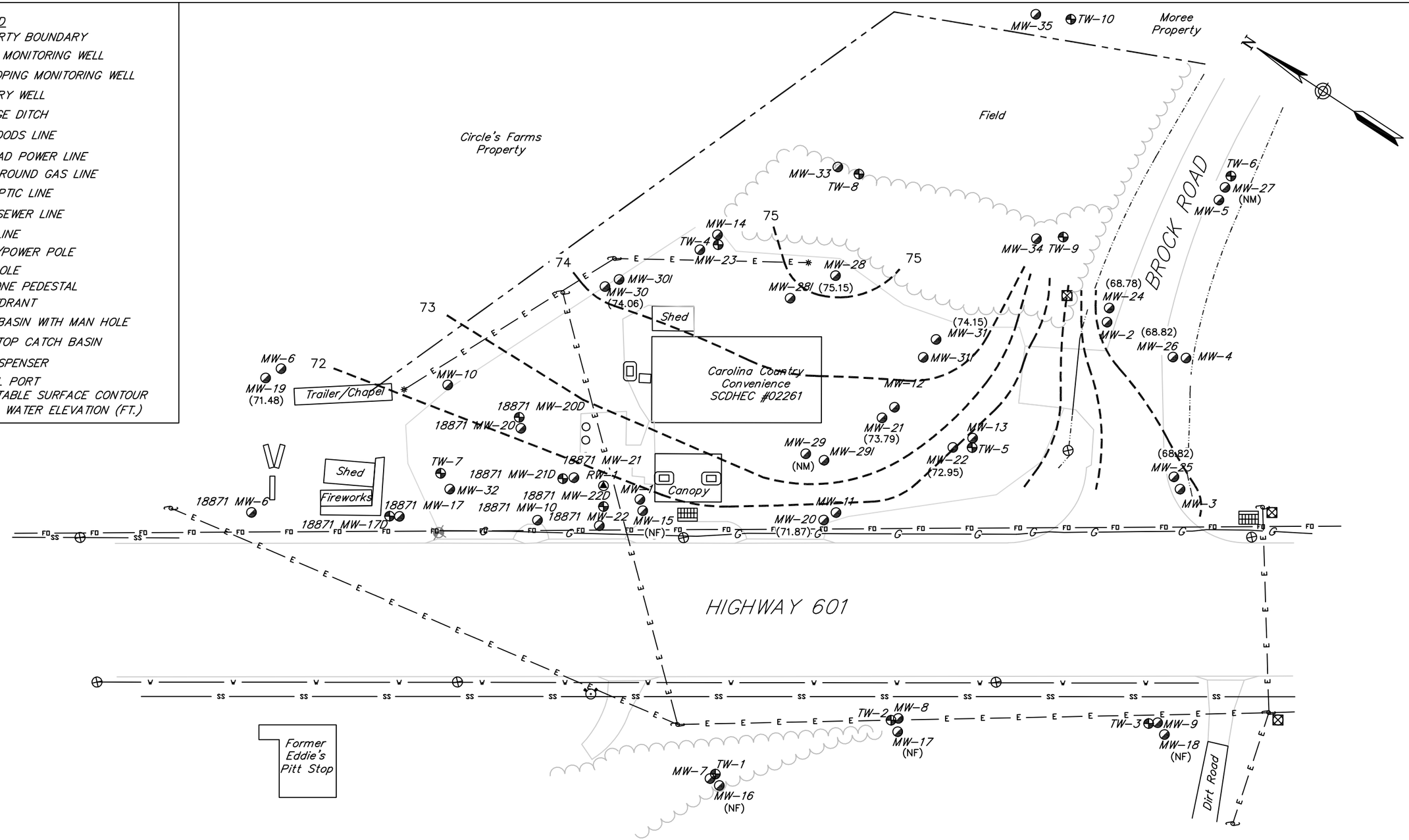
SITE MAP

Carolina Country Convenience UST Permit No. 02261 GRI Project No. 3289	1908 Highway 601 North Pageland, Chesterfield County, SC

Date:	11/19/19	Drawn by:	DTH	Figure:	3

LEGEND

- PROPERTY BOUNDARY
- 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
- 75 — WATER TABLE SURFACE CONTOUR
- (87.34) GROUND WATER ELEVATION (FT.)



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

WATER TABLE SURFACE MAP – SHALLOW WELLS (09/20/2022)

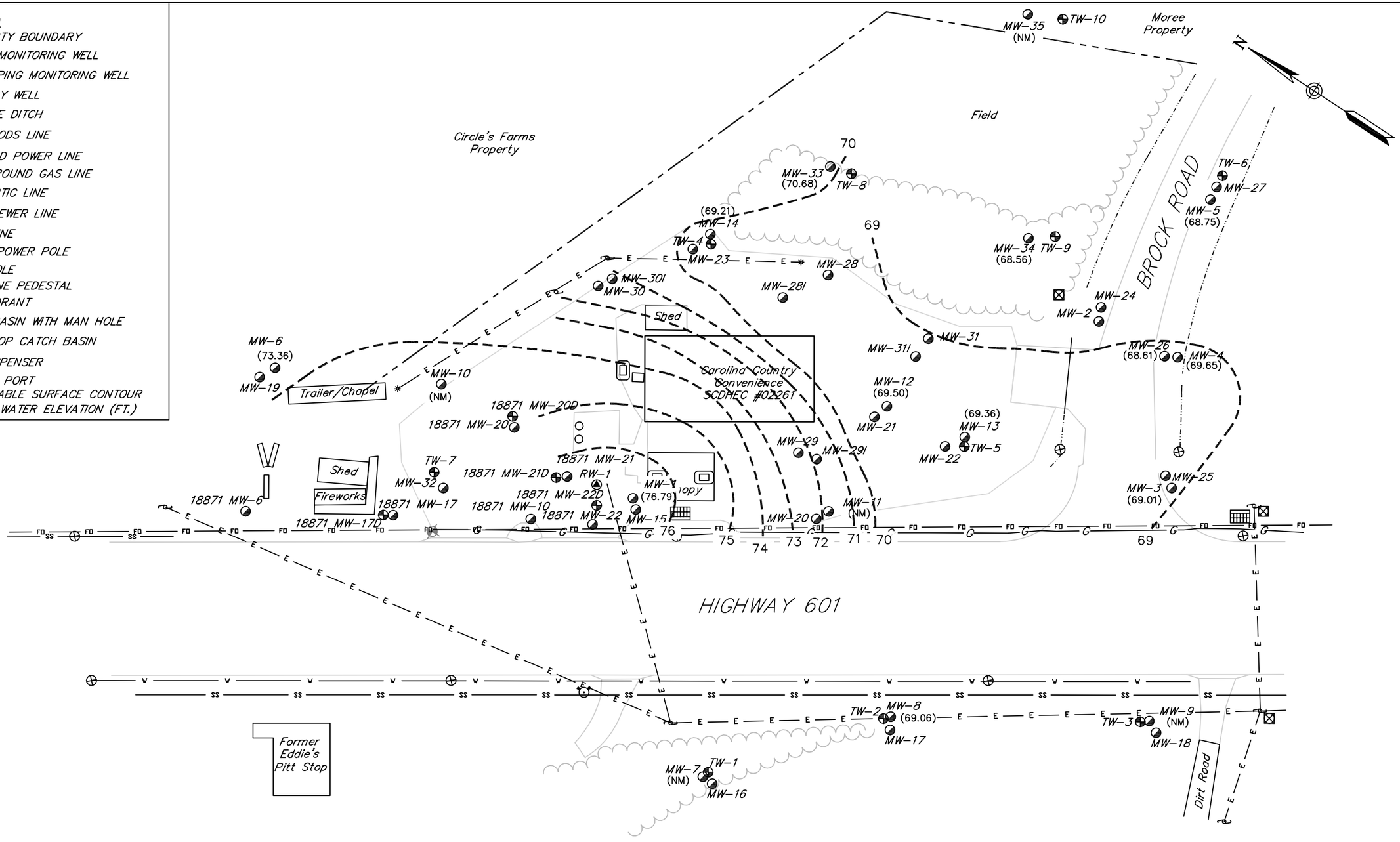
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	10/22/2022	Drawn by:	DTH	Figure:	4

LEGEND

- PROPERTY BOUNDARY
- 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
- 92.00 (76.53) WATER TABLE SURFACE CONTOUR / GROUND WATER ELEVATION (FT.)



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

WATER TABLE SURFACE MAP – INTERMEDIATE WELLS (09/20/2022)

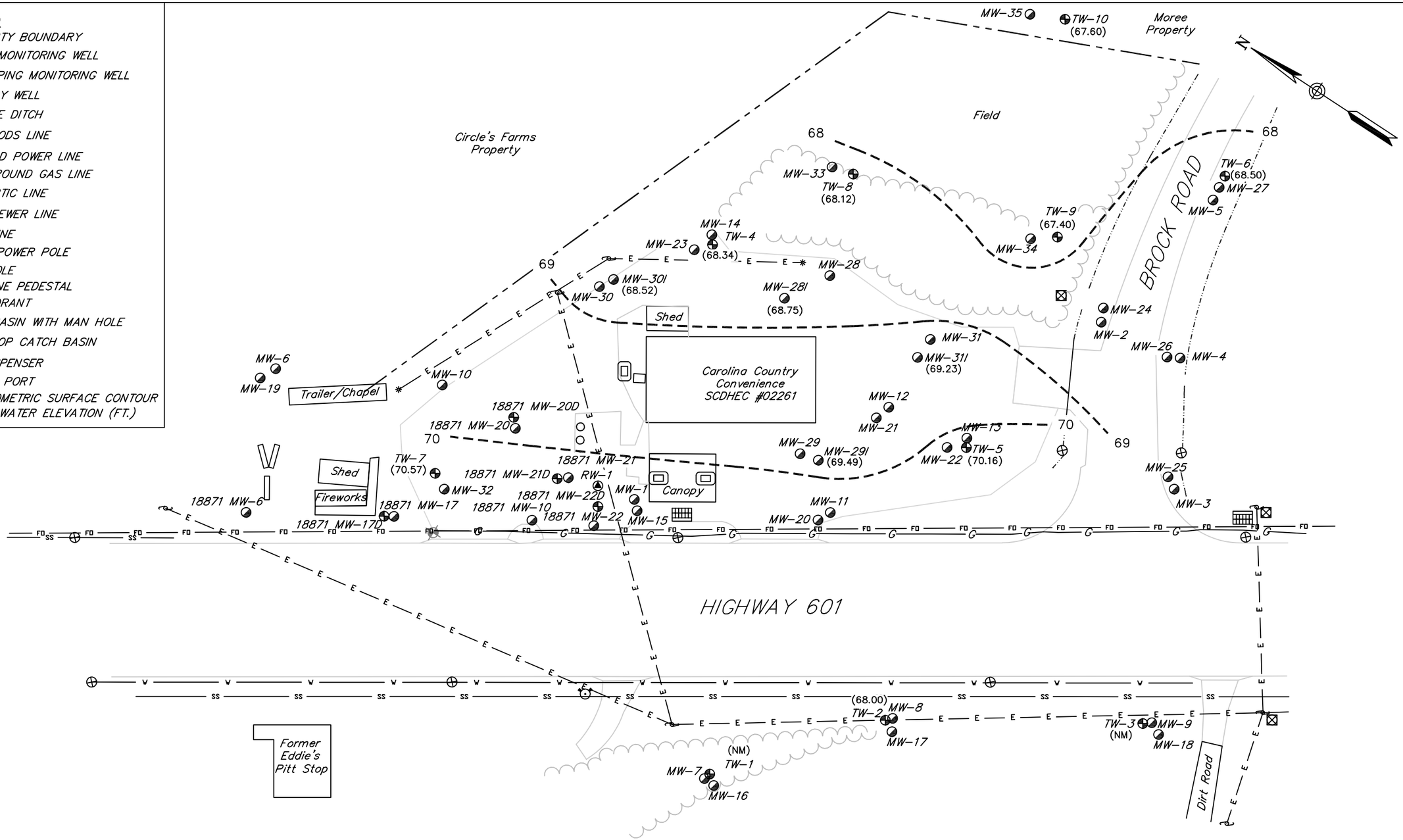
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	10/22/2022	Drawn by:	DTH	Figure:	5

LEGEND

- PROPERTY BOUNDARY
- 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
- 89.00 (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 – DEEP WELLS (09/20/2022)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date: 08/22/2020 | Drawn by: DTH | Figure: 6

LEGEND

- PROPERTY BOUNDARY
- 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

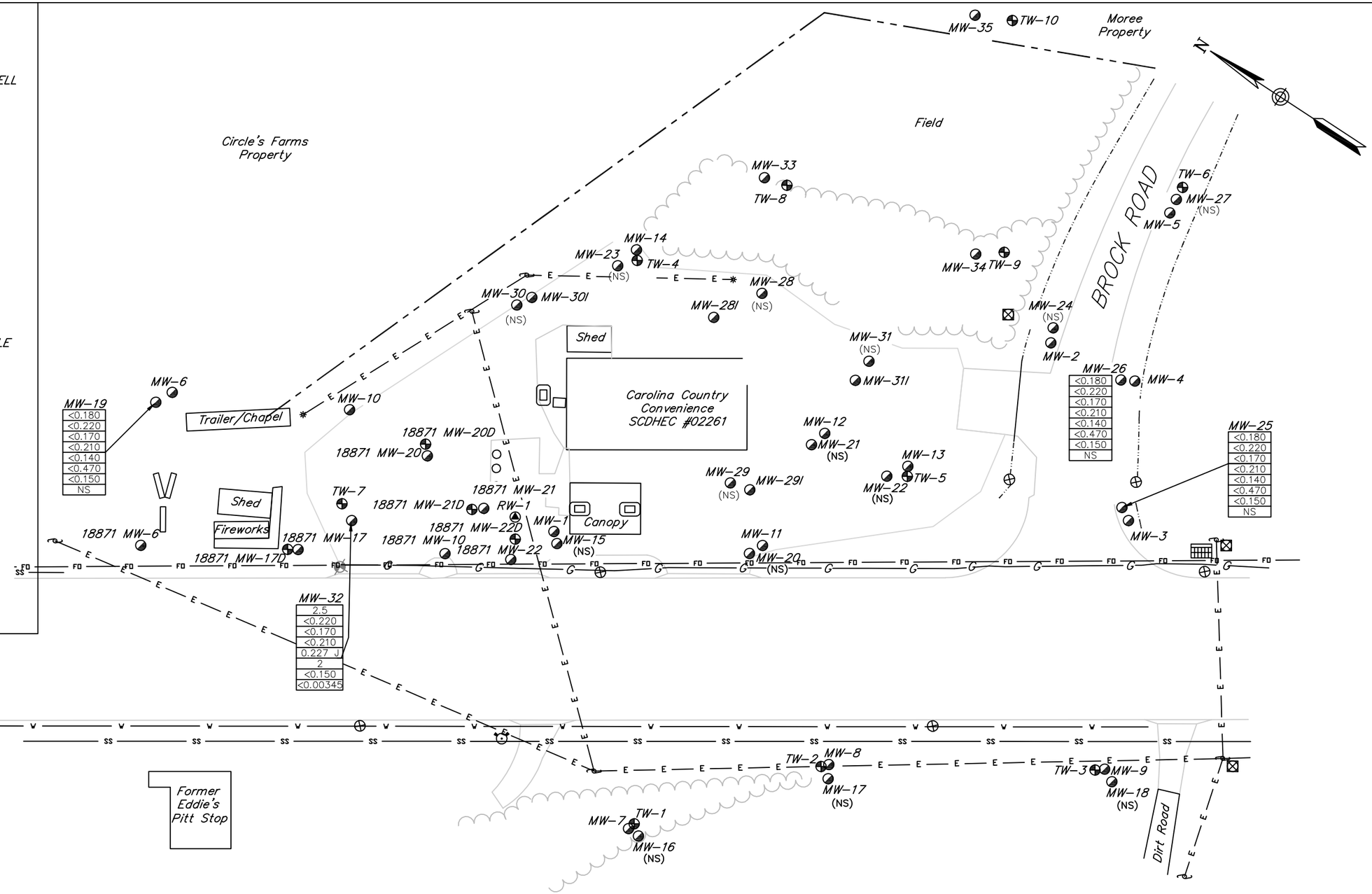
18,400	BENZENE
17,700	TOLUENE
1,350	ETHYLBENZENE
8,570	XYLENES
1,810	MTBE
<250	NAPHTHALENE
653	1,2-DCA
115	EDB

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



MW-19

<0.180
<0.220
<0.170
<0.210
<0.140
<0.470
<0.150
NS

MW-26

<0.180
<0.220
<0.170
<0.210
<0.140
<0.470
<0.150
NS

MW-25

<0.180
<0.220
<0.170
<0.210
<0.140
<0.470
<0.150
NS

MW-32

2.5
<0.220
<0.170
<0.210
0.227 J
2
<0.150
<0.00345

Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

GROUND WATER QUALITY MAP SHALLOW WELLS (09/20-22/2022)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date: 10/22/2022 | Drawn by: DTH | Figure: 7

LEGEND

- PROPERTY BOUNDARY
- 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

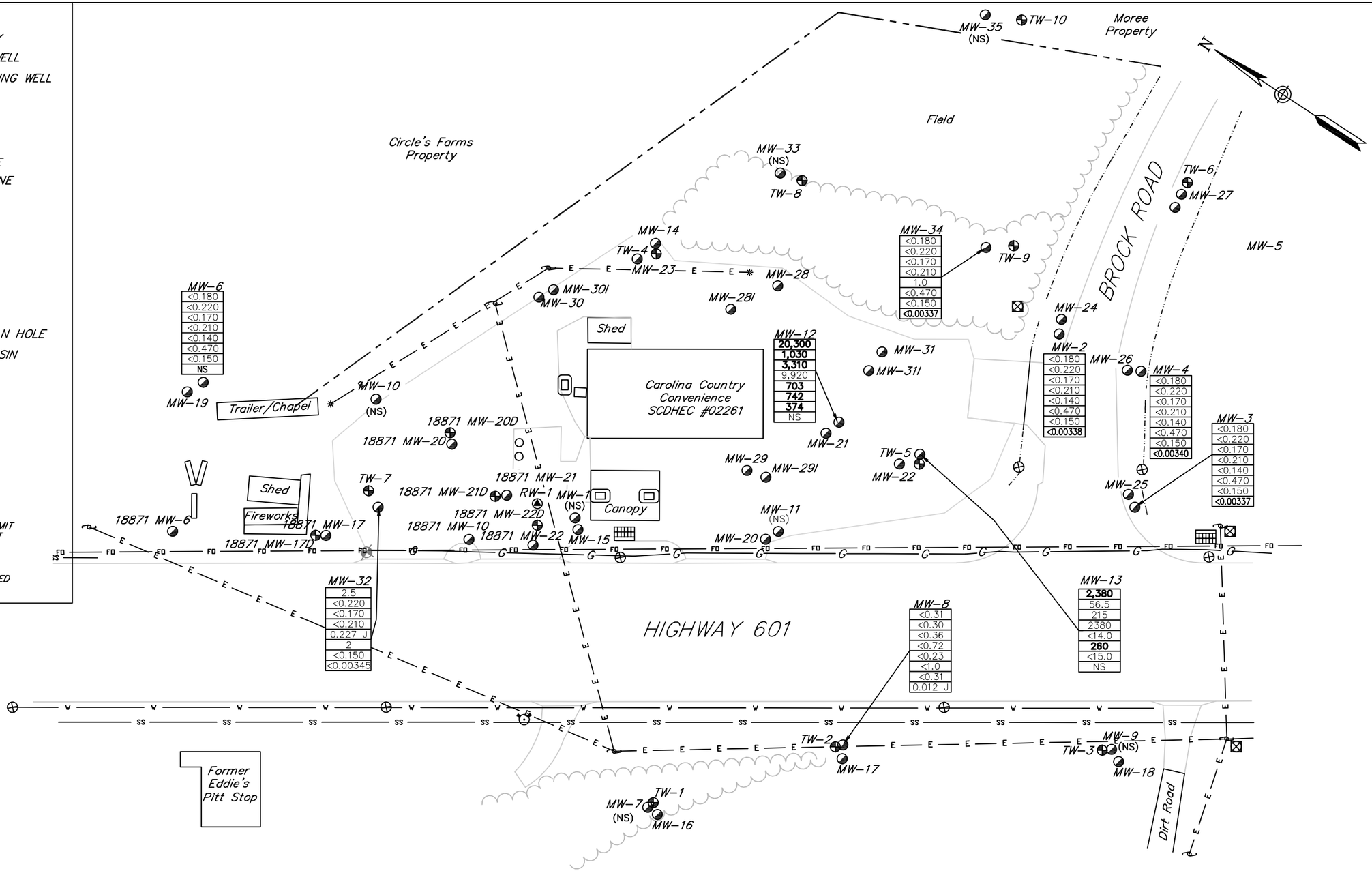
13,500	BENZENE
636	TOLUENE
903	ETHYLBENZENE
3,470	XYLENES
1,800	MTBE
<250	NAPHTHALENE
537	1,2-DCA
0.45	EDB

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 INTERMEDIATE WELLS (09/20-22/2022)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date: 10/22/2022 | Drawn by: DTH | Figure: 8

LEGEND

- PROPERTY BOUNDARY
- 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

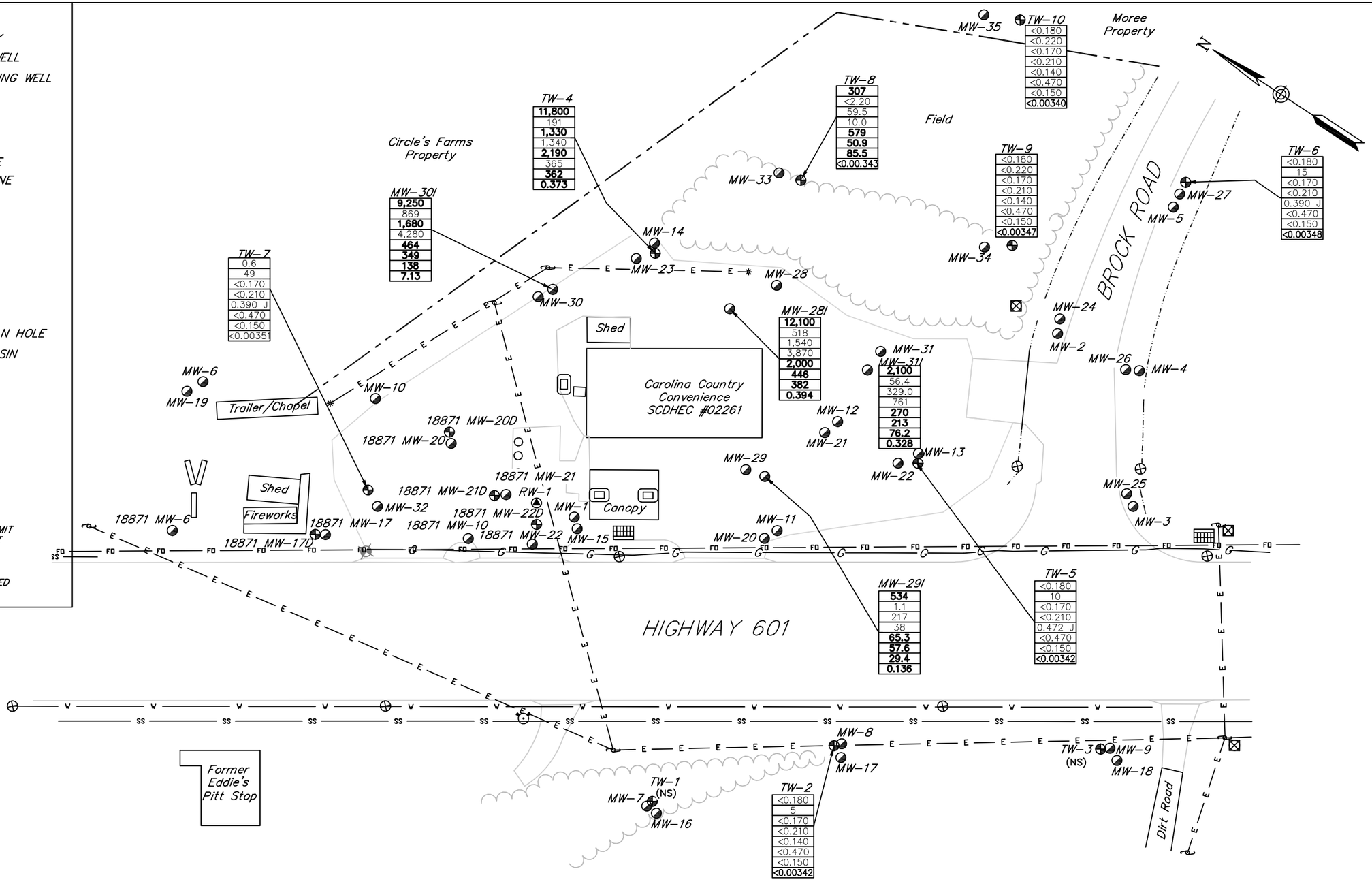
15,700	BENZENE
1,100	TOLUENE
1,890	ETHYLBENZENE
6,140	XYLENES
1,790	MTBE
483 J	NAPHTHALENE
441	1,2-DCA
3.0	EDB

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 DEEP WELLS (09/20-22/2022)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date: 10/22/2022 | 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 (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-1 (I)	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		
	01/30/19		---	5.26	---	95.83		
	09/03/19		---	24.20	---	76.89		
	07/15/20		---	12.52	---	88.57		
	09/20/22		---	24.30	---	76.79		
02261 MW-2 (I)	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		
	01/30/19		---	6.59	---	98.86		
	09/03/19		---	30.16	---	75.29		
	07/15/20		---	16.60	---	88.85		
	09/20/22		---	36.84	---	68.61		
02261 MW-3 (I)	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		
	01/30/19		---	4.53	---	97.81		
	09/03/19		---	26.63	---	75.71		
	07/15/20		---	13.21	---	89.13		
	09/20/22		---	33.33	---	69.01		
02261 MW-4 (I)	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		
	01/30/19		---	4.74	---	99.15		
	09/03/19		---	21.28	---	82.61		
	07/15/20		---	14.65	---	89.24		
	09/20/22		---	34.24	---	69.65		
02261 MW-5 (I)	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		
	01/30/19		---	10.77	---	98.83		
	09/03/19		---	33.81	---	75.79		
	07/15/20		---	20.29	---	89.31		
	09/20/22		---	40.85	---	68.75		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-6 (I)	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		
	01/30/19		---	4.29	---	96.64		
	09/03/19		---	NM	---	NM		
	07/15/20		---	3.78	---	97.15		
	09/20/22		---	27.57	---	73.36		
02261 MW-7 (I)	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		
	01/30/19		---	3.74	---	92.81		
	09/03/19		---	21.88	---	74.67		
	07/15/20		---	10.49	---	86.06		
	09/20/22		---	NF	---	NM		
02261 MW-8 (I)	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		
	01/30/19		---	3.43	---	94.36		
	09/03/19		---	22.31	---	75.48		
	07/15/20		---	10.51	---	87.28		
	09/20/22		---	28.73	---	69.06		
02261 MW-9 (I)	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		
	01/30/19		---	5.82	---	95.63		
	09/03/19		---	25.98	---	75.47		
	07/15/20		---	13.79	---	87.66		
	09/20/22		---	NF	---	NM		
02261 MW-10 (I)	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		
	01/30/19		---	4.34	---	97.74		
	09/03/19		---	25.11	---	76.97		
	07/15/20		---	14.48	---	87.60		
	09/20/22		---	NF	---	NM		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-11 (I)	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		
	08/23/18		---	32.04	---	69.37		
	01/30/19		---	5.17	---	96.24		
	09/03/19		---	NM	---	NM		
	07/15/20		---	NM	---	NM		
	09/20/22		---	NF	---	NM		
02261 MW-12 (I)	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		
	08/23/18		---	33.93	---	69.50		
	01/30/19		---	6.47	---	96.96		
	09/03/19		---	27.08	---	76.35		
	07/15/20		---	13.81	---	89.62		
	09/20/22		---	33.93	---	69.50		
02261 MW-13 (I)	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		
	08/23/18		---	32.83	---	69.29		
	01/30/19		---	5.23	---	96.89		
	09/03/19		---	25.69	---	76.43		
	07/15/20		---	12.81	---	89.31		
	09/20/22		---	32.76	---	69.36		
02261 MW-14 (I)	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		
	08/23/18		---	34.07	---	70.04		
	01/30/19		---	6.17	---	97.94		
	09/03/19		---	28.87	---	75.24		
	07/15/20		---	16.12	---	87.99		
	09/20/22		---	34.90	---	69.21		
02261 MW-15 (S)	04/10/18	101.01	---	17.95	---	83.06	25	15-25
	01/30/19		---	4.96	---	96.05		
	08/26/19		---	23.29	---	77.72		
	07/15/20		---	10.91	---	90.10		
	09/20/22		---	NF	---	NM		
02261 MW-16 (S)	04/10/18	93.76	---	12.31	---	81.45	25	15-25
	01/30/19		---	1.10	---	92.66		
	08/26/19		---	18.36	---	75.40		
	07/15/20		---	10.49	---	83.27		
	09/20/22		---	NF	---	NM		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-17 (S)	04/10/18	95.32	---	11.33	---	83.99	25	15-25
	01/30/19		---	0.88	---	94.44		
	08/26/19		---	NM	---	NM		
	07/15/20		---	6.28	---	89.04		
	09/20/22		---	NF	---	NM		
02261 MW-18 (S)	04/10/18	97.70	---	16.89	---	80.81	24	14-24
	01/30/19		---	24.39	---	73.31		
	08/26/19		---	22.81	---	74.89		
	07/15/20		---	11.22	---	86.48		
	09/20/22		---	NF	---	NM		
02261 MW-19 (S)	04/10/18	100.86	---	22.56	---	78.30	30	15-30
	01/30/19		---	4.23	---	96.63		
	08/26/19		---	NM	---	NM		
	07/15/20		---	13.52	---	87.34		
	09/20/22		---	29.38	---	71.48		
02261 MW-20 (S)	04/10/18	101.50	---	19.16	---	82.34	30	15-30
	08/23/18		---	29.65	---	71.85		
	01/30/19		---	5.36	---	96.14		
	08/26/19		---	24.72	---	76.78		
	07/15/20		---	12.98	---	88.52		
	09/20/22		---	29.63	---	71.87		
02261 MW-21 (S)	04/10/18	103.41	---	21.00	---	82.41	30	15-30
	08/23/18		---	29.52	---	73.89		
	01/30/19		---	6.46	---	96.95		
	08/26/19		---	25.59	---	77.82		
	07/15/20		---	12.07	---	91.34		
	09/20/22		---	29.62	---	73.79		
02261 MW-22 (S)	04/10/18	102.01	---	19.71	---	82.30	30	15-30
	08/23/18		---	29.36	---	72.65		
	01/30/19		---	5.24	---	96.77		
	08/26/19		---	25.31	---	76.70		
	07/15/20		---	12.82	---	89.19		
	09/20/22		---	29.06	---	72.95		
02261 MW-23 (S)	04/10/18	103.98	---	21.71	---	82.27	30	15-30
	08/23/18		---	29.82	---	74.16		
	01/30/19		---	5.97	---	98.01		
	08/26/19		---	27.96	---	76.02		
	07/15/20		---	NM	---	NM		
	09/20/22		---	Damaged	---	NM		
02261 MW-24 (S)	04/10/18	105.46	---	23.49	---	81.97	37	12-37
	01/30/19		---	6.57	---	98.89		
	08/26/19		---	30.18	---	75.28		
	07/15/20		---	16.53	---	88.93		
	09/20/22		---	36.68	---	68.78		
02261 MW-25 (S)	04/10/18	102.33	---	20.08	---	82.25	37	12-37
	01/30/19		---	4.32	---	98.01		
	08/26/19		---	25.98	---	76.35		
	07/15/20		---	12.94	---	89.39		
	09/20/22		---	33.31	---	69.02		
02261 MW-26 (S)	04/10/18	103.87	---	21.61	---	82.26	37	12-37
	01/30/19		---	12.86	---	91.01		
	08/26/19		---	27.78	---	76.09		
	07/15/20		---	14.63	---	89.24		
	09/20/22		---	35.05	---	68.82		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-27 (S)	04/10/18	109.95	---	28.12	---	81.83	37	12-37
	01/30/19		---	10.53	---	99.42		
	08/26/19		---	34.19	---	75.76		
	07/15/20		---	20.96	---	88.99		
	09/20/22		---	Dry	---	NM		
02261 MW-28 (S)	08/21/18	104.81	---	Dry	---	NM	30	15-30
	09/18/18		---	27.95	---	76.86		
	01/30/19		---	7.34	---	97.47		
	08/26/19		---	28.51	---	76.30		
	07/15/20		---	16.44	---	88.37		
	09/20/22		---	29.66	---	75.15		
02261 MW-29 (S)	08/21/18	102.75	---	Dry	---	NM	30	15-30
	09/18/18		---	Dry	---	NM		
	01/30/19		---	5.94	---	96.81		
	08/26/19		---	25.56	---	77.19		
	07/15/20		---	13.24	---	89.51		
	09/20/22		---	Dry	---	NM		
02261 MW-30 (S)	08/21/18	103.35	---	Dry	---	NM	30	15-30
	09/18/18		---	Dry	---	NM		
	01/30/19		---	5.77	---	97.58		
	08/26/19		---	26.61	---	76.74		
	07/15/20		---	15.21	---	88.14		
	09/20/22		---	29.29	---	74.06		
02261 MW-31 (S)	08/21/18	103.48	---	Dry	---	NM	30	15-30
	09/18/18		---	Dry	---	NM		
	01/30/19		---	6.06	---	97.42		
	08/26/19		---	26.88	---	76.60		
	07/15/20		---	14.33	---	89.15		
	09/20/22		---	29.33	---	74.15		
02261 MW-32 (I)	09/03/19	99.99	---	20.07	---	79.92	35	20-35
	07/15/20		---	7.62	---	92.37		
	09/20/22		---	22.02	---	77.97		
02261 MW-33 (I)	09/03/19	113.97	---	39.06	---	74.91	*40	20-40
	07/15/20		---	25.99	---	87.98		
	09/20/22		---	43.29	---	70.68		
02261 MW-34 (I)	09/03/19	115.98	---	42.09	---	73.89	*50	30-50
	07/15/20		---	27.38	---	88.60		
	09/20/22		---	47.42	---	68.56		
02261 MW-35 (I)	09/03/19	118.89	---	43.95	---	74.94	50	30-50
	07/15/20		---	26.76	---	92.13		
	09/20/22		---	Dry	---	NM		
02261 MW-28I (D)	08/23/18	104.27	---	37.02	---	67.25	56	51-56
	09/18/18		---	37.51	---	66.76		
	01/30/19		---	6.96	---	97.31		
	08/27/19		---	27.82	---	76.45		
	07/15/20		---	16.03	---	88.24		
	09/20/22		---	35.52	---	68.75		
02261 MW-29I (D)	08/23/18	102.70	---	36.44	---	66.26	56	51-56
	09/18/18		---	34.91	---	67.79		
	01/30/19		---	6.08	---	96.62		
	08/27/19		---	25.41	---	77.29		
	07/15/20		---	13.88	---	88.82		
	09/20/22		---	33.21	---	69.49		
02261 MW-30I (D)	08/23/18	103.28	---	NM	0.03	NM	56	51-56
	09/18/18		36.16	36.20	0.04	67.11		
	01/30/19		---	5.97	---	97.31		
	08/27/19		---	26.94	---	76.34		
	07/15/20		---	15.56	---	87.72		
	09/20/22		---	34.76	---	68.52		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-31I (D)	08/23/18	103.48	---	41.32	---	62.16	56	51-56
	09/18/18		---	36.38	---	67.10		
	01/30/19		---	6.24	---	97.24		
	08/27/19		---	26.92	---	76.56		
	07/15/20		---	13.16	---	90.32		
	09/20/22		---	34.25	---	69.23		
02261 TW-1 (D)	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		
	01/30/19		---	3.91	---	92.83		
	09/03/19		---	22.15	---	74.59		
	07/15/20		---	11.31	---	85.43		
	09/20/22		---	NF	---	NM		
02261 TW-2 (D)	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		
	01/30/19		---	3.51	---	94.12		
	09/03/19	96.76	---	22.05	---	74.71		
	07/15/20		---	10.72	---	86.04		
	09/20/22		---	28.76	---	68.00		
02261 TW-3 (D)	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		
	01/30/19		---	5.81	---	95.49		
	09/03/19		---	25.93	---	75.37		
	07/15/20		---	14.14	---	87.16		
	09/20/22		---	Damaged	---	NM		
02261 TW-4 (D)	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		
	01/30/19		---	6.36	---	97.64		
	09/03/19		---	28.88	---	75.12		
	07/15/20		---	16.28	---	87.72		
	09/20/22		---	35.66	---	68.34		
02261 TW-5 (D)	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		
	01/30/19		---	4.87	---	97.22		
	09/03/19		---	26.37	---	75.72		
	07/15/20		---	13.09	---	89.00		
	09/20/22		---	31.93	---	70.16		
02261 TW-6 (D)	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		
	01/30/19		---	66.36	---	43.96		
	09/03/19		---	35.16	---	75.16		
	07/15/20		---	21.24	---	89.08		
	09/20/22		---	41.82	---	68.50		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 TW-7 (D)	09/03/19	100.01	---	23.76	---	76.25	56	51-56
	07/15/20		---	13.32	---	86.69		
	09/20/22		---	29.44	---	70.57		
02261 TW-8 (D)	09/03/19	113.63	---	38.85	---	74.78	*68	63-68
	07/15/20		---	25.99	---	87.64		
	09/20/22		---	45.51	---	68.12		
02261 TW-9 (D)	09/03/19	115.72	---	49.31	---	66.41	*68	63-68
	07/15/20		---	27.09	---	88.63		
	09/20/22		---	48.26	---	67.46		
02261 TW-10 (D)	09/03/19	118.47	---	44.32	---	74.15	68	63-68
	07/15/20		---	30.29	---	88.18		
	09/20/22		---	50.81	---	67.66		
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.
- *: Well casing/riser extends from 2-4' above grade and is housed in a protective "stick up" protector.

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 (I)	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
	01/30/19	**20,700**	807	**1,550**	7,700	**2,620**	**405 J**	**811**	**43.8**	NR
	09/04/19	**19,200**	**2,170**	**1,210**	4,960	**1,740**	<250	**581**	**0.90**	NR
	07/16/20	**13,500**	636	**903**	3,470	**1,800**	<250	**537**	**0.45**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-1 DUP (I)	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
	07/26/16	**7,890**	**13,100**	**1,650**	8,820	**2,070**	**450 J**	**681**	**88.6**	NR
	01/30/19	**22,400**	812	**1,650**	8,140	**2,950**	**453**	**802**	**41.1**	NR
	09/04/19	**17,400**	**2,250**	**1,270**	5,430	**1,900**	**282 J**	**535**	**0.90**	NR
	07/16/20	**15,800**	700	**1,010**	3,950	**2,130**	**232 J**	**562**	**0.41**	NR
02261 MW-2 (I)	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
	01/31/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.010	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	0.96 J	<0.23	<1.0	<0.31	**0.15**	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00338	0.033
02261 MW-3 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00337	0.005 J
02261 MW-4 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	**0.51**	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	**0.057**	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00340	0.009
02261 MW-5 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<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 (ug/l)		5	1,000	700	10,000	40	25	5	0.05	15
00261 MW-5 DUP (I)	04/27/15	<0.50	<1.0	<0.50	<1.3	<0.75	<2.5	<0.50	<0.0096	NR
02261 MW-6 (I)	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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
02261 MW-7 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-8 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.012 J	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
02261 MW-9 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-10 (I)	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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	0.61 J	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS

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-11 (I)	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
	01/31/19	**647**	64.1	186	187	<2.3	**50.9**	**15.1**	**1.1**	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-12 (I)	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
	01/30/19	**16,600**	**1,940**	**2,470**	**10,500**	**385**	**721 J**	**274**	**32.2**	NR
	09/04/19	**17,500**	**9,090**	**2,100**	**10,700**	**504**	**441 J**	**413**	**74.7**	NR
	07/16/20	**12,400**	**9,020**	**1,880**	8,530	**443**	**544 J**	**270**	**42.5**	NR
	09/21/22	**20,300**	**1,030**	**3,310**	9,920	**703**	**742**	**374**	NS	NS
02261 MW-13 (I)	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
	02/01/19	**4,420**	283	**1,950**	5,890	<11	**755**	**24.2 J**	**3.1**	NR
	09/04/19	**3,880**	141	**1,050**	4,210	<11	**465**	**21.1 J**	**5.5**	NR
	07/16/20	**2,100**	65.3	480	2,890	<5.7	**512**	**15.6 J**	**3.3**	NR
	09/21/22	**2,380**	56.5	215	2,380	<14.0	**260**	<15.0	NS	0.009
00261 MW-13 DUP (I)	11/23/15	**4,880**	417	**2,190**	6,260	<30	**531**	**42.8 J**	**4.8**	NR
02261 MW-14 (I)	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
	01/30/19	**12,500**	**21,600**	**1,740**	**10,200**	**195 J**	**575 J**	**212**	**84.6**	NR
	09/04/19	**10,700**	**15,700**	**1,080**	7,920	**144 J**	**376 J**	**195 J**	**129**	NR
	07/16/20	**7,320**	**10,800**	505	6,240	**149 J**	**391 J**	**168 J**	**114**	NR
02261 MW-14 DUP (I)	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
	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
	01/30/19	**12,000**	**20,100**	**1,730**	**10,100**	**217**	**623**	**224**	**127**	NR
	09/04/19	**9,940**	**15,900**	**1,220**	8,910	**152**	**410 J**	**202**	**129**	NR
	07/16/20	**7,860**	**11,600**	588	6,790	**172 J**	**386 J**	**163 J**	**74.2**	NR
02261 MW-15 (S)	04/11/18	**26,200**	**8,140**	**2,500**	**12,100**	**2,330**	**369 J**	**942**	**115**	NR
	01/30/19	**24,000**	**11,700**	**1,610**	8,590	**2,550**	**384 J**	**923**	**128**	NR
	08/26/19	**18,400**	**17,700**	**1,350**	8,570	**1,810**	<250	**653**	**115**	NR
	07/16/20	**13,800**	**18,400**	**1,200**	6,830	**1,640**	**410 J**	**427**	**90.9**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-16 (S)	04/10/18	<0.31	0.49 J	<0.36	1.2 J	<0.23	<1.0	<0.31	<0.0094	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.012 J	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS

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-17 (S)	04/10/18	<0.31	0.55 J	<0.36	2.8 J	<0.23	<1.0	<0.31	<0.0093	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.011 J	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-18 (S)	04/10/18	<0.31	0.34 J	<0.36	4.6	<0.23	<1.0	<0.31	<0.0093	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-19 (S)	04/11/18	2.2	15.3	2.6	22.2	0.47 J	<1.0	<0.31	<0.0094	NR
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.010	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	<0.002
02261 MW-20 (S)	04/11/18	**9,870**	**18,800**	**1,980**	9,470	**256**	**204 J**	**162 J**	**59.9**	NR
	01/31/19	**16,300**	**26,300**	**2,220**	**13,200**	**450**	**476 J**	**310**	**57.6**	NR
	08/26/19	**6,670**	**17,500**	**1,620**	**12,200**	<46	**510 J**	**83.7 J**	**30.9**	NR
	07/16/20	**8,040**	**21,800**	**1,310**	7,870	**218 J**	**361 J**	**133 J**	**63.5**	NR
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-21 (S)	04/11/18	**18,300**	**19,300**	**2,790**	**13,800**	**526**	**400 J**	**416**	**86.8**	NR
	01/30/19	**16,200**	**21,300**	**2,090**	**12,200**	**418**	**449 J**	**397**	**86.2**	NR
	08/26/19	**15,700**	**3,300**	**1,860**	9,830	**483**	<250	**411**	**7.9**	NR
	07/16/20	**15,600**	**11,400**	**2,350**	**11,300**	**575**	**673 J**	**397**	**73.3**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-21 DUP (S)	04/11/18	**16,500**	<60	**2,630**	**12,700**	**520**	**450 J**	**471**	**73.8**	NR
	01/30/19	**16,700**	**23,400**	**2,260**	**13,000**	**608**	**617**	**414**	**84.6**	NR
	09/04/19	**17,700**	**2,940**	**2,080**	**12,300**	**521**	**448 J**	**433**	**83.4**	NR
	07/16/20	**15,200**	**10,700**	**2,200**	**10,500**	**547**	**532 J**	**408**	**61.4**	NR
02261 MW-22 (S)	04/11/18	**5,260**	**2,640**	**2,140**	6,570	<23	**330 J**	**43.6 J**	**4.3**	NR
	01/31/19	**5,710**	446	**2,780**	6,480	34.3 J	**724**	**42.9 J**	**3.3**	NR
	08/26/19	**5,700**	527	**2,300**	5,880	<23	**638**	**48.9 J**	**5.0**	NR
	07/16/20	**3,140**	**1,030**	**1,570**	5,200	<11	**708**	**28.0 J**	**4.6**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-23 (S)	04/11/18	**2,790**	**6,320**	**1,180**	5,840	<23	**228 J**	**33.3 J**	**15.2**	NR
	01/30/19	**493**	656	181	1,110	6.5 J	**61.4**	**7.4 J**	**3.3**	NR
	08/26/19	**22.1**	2.0	4.5	21.6	<0.23	1.2 J	<0.31	0.041	<10
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-24 (S)	04/11/18	<0.31	0.39 J	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.036	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-25 (S)	04/11/18	<0.31	<0.30	<0.36	1.8 J	<0.23	<1.0	<0.31	<0.0096	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	0.011
02261 MW-26 (S)	04/11/18	<0.31	0.37 J	<0.36	0.97 J	<0.23	<1.0	<0.31	<0.0095	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS

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-27 (S)	04/11/18	0.35 J	2.6	0.79 J	3.8	<0.23	<1.0	<0.31	<0.0094	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-28 (S)	01/30/19	**27,500**	**8,680**	**2,240**	8,780	**4,950**	**475 J**	**1,230**	**201**	NR
	08/26/19	**30,000**	**14,000**	**1,800**	9,880	**5,880**	<500	**1,770**	**261**	NR
	07/16/20	**21,900**	**13,500**	**1,360**	7,840	**5,740**	**461 J**	**1,290**	**268**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-29 (S)	01/31/19	**8,380**	**23,000**	**2,090**	**13,500**	**187 J**	**523 J**	**115 J**	**26.7**	NR
	08/26/19	**3,980**	**9,780**	**2,570**	**14,500**	**43.3 J**	**606**	<31	**7.4**	NR
	07/16/20	**2,060**	**5,840**	**2,220**	**12,800**	<23	**763**	<31	**3.2**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-30 (S)	01/30/19	**115**	201	**1,240**	4,230	<4.6	**452**	<6.2	**0.22**	NR
	08/26/19	**179**	202	**1,200**	3,150	<4.6	**396**	<6.2	**0.51**	NR
	07/16/20	**80.3**	78.8	553	1,660	<2.3	**272**	<3.1	**0.21**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-31 (S)	01/30/19	**22,100**	**26,500**	**2,500**	**12,200**	**384**	**569 J**	**464**	**78.2**	NR
	08/26/19	**6,440**	**7,700**	**765**	6,070	**157**	**269 J**	**233 J**	**59.4**	NR
	07/16/20	**14,100**	**18,500**	**1,530**	8,530	**290**	**387 J**	**351**	**131**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-32 (I)	09/04/19	**46.7**	<0.30	<0.36	33.0	1.0	<1.0	0.62 J	0.014 J	NR
	07/16/20	0.84 J	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	2.5	<0.220	<0.170	<0.210	0.227 J	2	<0.150	<0.00345	0.004 J
02261 MW-33 (I)	09/03/19	**3,080**	<15	149	1,470	**153**	**416**	**72.7**	**5.7**	NR
	07/16/20	**1,210**	<6.0	48.5	268	**112**	**277**	**42.6**	**2.9**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-34 (I)	09/04/19	0.62 J	<0.30	<0.36	<0.72	1.1	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	1.4	<1.0	<0.31	**0.11**	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	1.0	<0.470	<0.150	<0.00337	0.008
02261 MW-35 (I)	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	0.87 J	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-28I (D)	01/30/19	**15,700**	**1,100**	**1,890**	6,140	**1,790**	**483 J**	**441**	**3.0**	NR
	08/27/19	**9,940**	534	**815**	3,140	**1,440**	**462 J**	**375**	**2.4**	NR
	07/16/20	**9,260**	280	235	1,610	**1,830**	**293 J**	**387**	**1.1**	NR
	09/21/22	**12,100**	518	1,540	3,870	**2,000**	**446**	**382**	**1.00**	0.022
02261 MW-28I (D) DUP	09/21/22	**9,370**	269	790	1,930	**2,080**	**268**	**382**	**0.394**	<0.002
02261 MW-29I (D)	01/31/19	**2,200**	103	556	1,760	**90.8**	**262**	**43.2**	**1.7**	NR
	08/27/19	**3,970**	47.3	**756**	978	**86.7**	**299**	**64.9**	**0.71**	NR
	07/16/20	**39.3**	1.6 J	4.1 J	7.9 J	**55.8**	<5.0	**20.4**	**0.72**	NR
	09/20/22	**534**	1.1	217	38	**65.3**	**57.6**	**29.4**	**0.136**	0.012
02261 MW-30I (D)	01/30/19	**16,100**	**3,210**	**2,790**	**11,700**	**813**	**921 J**	**247 J**	**18.9**	NR
	08/27/19	**11,000**	**1,490**	**1,550**	5,880	**466**	**448 J**	**173 J**	**8.6**	NR
	07/16/20	**47.9**	25.6	103	454	<0.57	**48.6**	<0.78	**0.074**	NR
	09/20/22	**9,250**	869	**1,620**	4,280	**464**	**349**	**138**	**7.13**	0.006
02261 MW-31I (D)	01/30/19	**3,840**	351	348	1,970	**332**	**169 J**	**114**	**1.1**	NR
	08/27/19	**2,740**	67.4	247	514	**231**	**130 J**	**88.0**	**0.38**	NR
	07/16/20	**1,450**	56.4	79.0	584	**316**	**95.9 J**	**89.0**	**0.64**	NR
	09/20/22	**2,100**	56.4	329.0	761	**270**	**213**	**76.2**	**0.328**	0.014

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-1 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/28/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 TW-2 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	08/28/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.011 J	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/22/22	<0.180	5	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00342	<0.002
02261 TW-3 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/28/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 TW-4 (D)	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
	01/30/19	**9,400**	140	**711**	645	**1,550**	**273**	**324**	**0.45**	NR
	08/27/19	**11,900**	275	**1,170**	1,780	**1,520**	**335 J**	**376**	**0.82**	NR
	07/16/20	**6,260**	63.4 J	205	323	**1,320**	<100	**321**	**0.59**	NR
	09/20/22	**11,800**	191	**1,330**	1,340	**2,190**	**365**	**362**	**0.373**	<0.002
02261 TW-4 (D) DUP	09/20/22	**9,370**	269	**790**	1,930	**2,080**	**268**	**382**	**0.464**	0.013
02261 TW-5 (D)	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
	01/31/19	**82.8**	4.0	19.3	39.9	10.7	10.1	3.6	<0.0093	NR
	08/27/19	4.4	<0.30	0.95 J	0.83 J	7.0	<1.0	2.6	<0.0091	NR
	07/16/20	3.0	0.54 J	0.99 J	1.0 J	15.0	<1.0	4.3	<0.0095	NR
	09/22/22	<0.180	10	<0.170	<0.210	0.472 J	<0.470	<0.150	<0.00342	0.012
02261 TW-6 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	08/27/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/22/22	<0.180	15	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00348	0.005 J
02261 TW-7 (D)	09/04/19	3.3	<0.30	<0.36	<0.72	0.46 J	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.016 J	NR
	09/22/22	0.6	49	<0.170	<0.210	0.390 J	<0.470	<0.150	<0.00351	0.040

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-8 (D)	09/03/19	**240**	<3.0	257	207	**592**	**209**	**112**	<0.0094	NR
	07/16/20	**97.1**	0.42 J	2.2	0.77 J	**633**	1.1 J	**83.8**	<0.0095	NR
	09/20/22	**307**	<2.20	59.5	10.0	**579**	**50.9**	**85.5**	<0.00343	<0.002
02261 TW-9 (D)	09/03/19	1.3	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	**0.11**	NR
	09/20/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00347	0.014
02261 TW-10 (D)	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/22/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00340	0.004 J
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
	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0038	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0039	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0037	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0040	NR
	09/20/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.00345	<0.002
PW-3 DUP	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0038	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0039	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0036	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0042	NR
	09/20/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.00343	<0.002
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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/27/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	NR	NR
	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	NR	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	NR	NR
	09/20/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	01/31/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	NR
	08/28/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	NR
	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00343	<0.002
MW FB 2	09/22/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00343	<0.002
PW TRIP BLANK	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NR	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NR	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NR	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NR	NR
	09/22/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	NR	NR
PW FIELD BLANK	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0039	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0039	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0036	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0041	NR
	09/22/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.00338	NR
SW-1	09/22/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00348	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.
- On or after 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 (I)	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
	01/30/19	<60	<2,500	<20,000	<59	**41,300**	<61	**33,800**	<1,300
	09/04/19	<60	<2,500	<20,000	<59	**32,800**	<61	**34,500**	<1,300
	07/16/20	<60	<2,500	<20,000	<59	**30,000**	<61	**41,600**	<1,300
02261 MW-1 DUP (I)	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
	07/26/16	<45	<2,000	<10,000	<44	**34,300**	<40	**34,400**	<1,000
	01/30/19	<12	<500	<4,100	<12	**40,500**	19.7 J	**30,800**	<250
	09/04/19	<60	<2,500	<20,000	<59	**37,000**	<61	**40,000**	<1,300
	07/16/20	<48	<2,000	<16,000	<47	**33,600**	<49	**46,300**	<1,000
02261 MW-2 (I)	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
	01/31/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-3 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-4 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-5 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<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 DUP (I)	04/27/15	<0.50	<25	<88	<0.50	<20	<0.55	<14	<10
02261 MW-6 (I)	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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-7 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-8 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-9 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-10 (I)	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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS

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-11 (I)	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
	01/31/19	<2.4	<100	<820	<2.4	**3,720**	<2.4	296	<50
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-12 (I)	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
	01/30/19	<60	<2,500	<20,000	<59	**32,400**	<61	**2,670**	<1,300
	09/04/19	<60	<2,500	<20,000	<59	**37,000**	<61	**4,160 J**	<1,300
	07/16/20	<48	<2,000	<16,000	<47	**35,000**	<49	**4,700**	<1,000
	09/21/22	<96.0	<100	<4200	<180	**47500**	<28.0	5940	<35.0
02261 MW-13 (I)	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
	02/01/19	<12	<500	<4,100	<12	**6,750**	<12	<270	<250
	09/04/19	<12	<500	<4,100	<12	**4,890**	<12	367 J	<250
	07/16/20	<6.0	<250	<2,000	<5.9	**3,620**	<6.1	338 J	<130
	09/21/22	<96.0	<100	<4200	<180	**3,000**	<28.0	<160	<35.0
02261 MW-13 DUP (I)	11/23/15	<20	<1,000	<3,500	<20	**7,890**	<22	<540	<400
02261 MW-14 (I)	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
	01/30/19	<48	<2,000	<16,000	<47	**19,500**	<49	<1,100	<1,000
	09/04/19	<48	<2,000	<16,000	<47	**13,100**	<49	<1,100	<1,000
	07/16/20	<48	<2,000	<16,000	<47	**11,200**	<49	<1,100	<1,000
02261 MW-14 DUP (I)	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
	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
	01/30/19	<12	<500	<4,100	<12	**19,300**	32.5 J	**1,730**	<250
	09/04/19	<24	<1,000	<8,200	<24	**13,800**	26.7 J	1,040 J	<500
	07/16/20	<48	<2,000	<16,000	<47	**11,400**	<49	1,190 J	<1,000
02261 MW-15 (S)	04/11/18	<48	<2,000	<16,000	<47	**58,000**	<49	**61,600**	<1,000
	01/30/19	<60	<2,500	<20,000	<59	**50,800**	<61	**75,800**	<1,300
	08/26/19	<60	<2,500	<20,000	<59	**28,800**	<61	**58,900**	<1,300
	07/16/20	<60	<2,500	<20,000	<59	**28,000**	<61	**45,600**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS

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-16 (S)	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-17 (S)	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-18 (S)	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-19 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-20 (S)	04/11/18	<48	<2,000	<16,000	<47	**43,300**	<49	**2,360 J**	<1,000
	01/31/19	<60	<2,500	<20,000	<59	**69,600**	<61	**4,830 J**	<1,300
	08/26/19	<48	<2,000	<16,000	<47	**9,420**	<49	<1,100	<1,000
	07/16/20	<60	<2,500	<20,000	<59	**20,300**	<61	**1,930 J**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-21 (S)	04/11/18	<48	<2,000	<16,000	<47	**43,100**	<49	**4,680 J**	<1,000
	01/30/19	<60	<2,500	<20,000	<59	**45,500**	<61	**4,750 J**	<1,300
	08/26/19	<60	<2,500	<20,000	<59	**37,500**	<61	**6,800**	<1,300
	07/16/20	<48	<2,000	<16,000	<47	**40,000**	<49	**5,140**	<1,000
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-21 DUP (S)	04/11/18	<48	<2,000	<16,000	<47	**38,000**	<49	**4,680**	<1,000
	01/30/19	<12	<500	<4,100	<12	**43,500**	35.9 J	**5,680**	<250
	09/04/19	<24	<1,000	<8,200	<24	**41,000**	35.2 J	**4,330**	<500
	07/16/20	<60	<2,500	<20,000	<59	**38,600**	<61	**5,300**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-22 (S)	04/11/18	<24	<1,000	<8,200	<24	**8,010**	<24	<530	<500
	01/31/19	<24	<1,000	<8,200	<24	**7,200**	<24	<530	<500
	08/26/19	<24	<1,000	<8,200	<24	**9,060**	<24	<530	<500
	07/16/20	<12	<500	<4,100	<12	**3,910**	<12	455 J	<250
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-23 (S)	04/11/18	<24	<1,000	<8,200	<24	**1,470 J**	<24	<530	<500
	01/30/19	<2.4	<100	<820	<2.4	**349**	<2.4	<53	<50
	08/26/19	<0.24	<10	<82	<0.24	15.4 J	<0.24	<5.3	<5.0
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-24 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-25 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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-26 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-27 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-28 (S)	01/30/19	<60	<2,500	<20,000	<59	**29,400**	**136 J**	**5,370**	<1,300
	08/26/19	<120	<5,000	<41,000	<120	**33,300**	**159 J**	**8,210 J**	<2,500
	07/16/20	<60	<2,500	<20,000	<59	**30,700**	**139 J**	**6,950**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-29 (S)	01/31/19	<60	<2,500	<20,000	<59	**6,380**	<61	<1,300	<1,300
	08/26/19	<24	<1,000	<8,200	<24	**1,430 J**	<24	<530	<500
	07/16/20	<24	<1,000	<8,200	<24	**681 J**	<24	<530	<500
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-30 (S)	01/30/19	<4.8	<200	<1,600	<4.7	<110	<4.9	<110	<100
	08/26/19	<4.8	<200	<1,600	<4.7	<110	<4.9	<110	<100
	07/16/20	<2.4	<100	<820	<2.4	60.2 J	<2.4	<53	<50
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-31 (S)	01/30/19	<60	<2,500	<20,000	<59	**36,100**	<61	**3,960 J**	<1,300
	08/26/19	<24	<1,000	<8,200	<24	**11,800**	<24	**1,530 J**	<500
	07/16/20	<60	<2,500	<20,000	<59	**26,900**	<61	**3,610 J**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-32 (I)	09/04/19	<0.24	<10	<82	<0.24	106	<0.24	15.6 J	<5.0
	07/16/20	<0.24	<10	<82	<0.24	20.6	<0.24	6.0 J	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	30.5	<0.280	12	<0.350
02261 MW-33 (I)	09/03/19	<12	<500	<4,100	<12	**3,760**	12.4 J	451 J	<250
	07/16/20	<4.8	<200	<1,600	<4.7	**2,270**	<4.9	350 J	<100
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-34 (I)	09/04/19	<0.24	<10	<82	<0.24	33.0	<0.24	26.7	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-35 (I)	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-28I (D)	01/30/19	<48	<2,000	<16,000	<47	**11,800**	70.2 J	**1,830 J**	<1,000
	08/27/19	<48	<2,000	<16,000	<47	**10,900**	59.7 J	**1,590 J**	<1,000
	07/16/20	<24	<1,000	<8,200	<24	**11,000**	63.7 J	**1,940 J**	<500
	09/21/22	<96.0	<100	<4200	<180	**13,700**	75.0 J	**2,950**	<35.0
02261 MW-28I (D) DUP	09/21/22	<96.0	<100	<4200	<180	**14,000**	68.2 J	**2,990**	<35.0
02261 MW-29I (D)	01/31/19	<6.0	<250	<2,000	<5.9	**5,400**	<6.1	592	<130
	08/27/19	1.4	<10	<82	<0.24	**6,860**	5.8	663	<5.0
	07/16/20	<1.2	<50	<410	<1.2	**4,830**	1.8 J	500	<25
	09/21/22	0.984 J	<1.00	<42.0	<1.80	**5,630**	2.95 J	194	<0.350
02261 MW-30I (D)	01/30/19	<60	<2,500	<20,000	<59	**8,290**	<61	<1,300	<1,300
	08/27/19	<48	<2,000	<16,000	<47	**5,920**	<49	<1,100	<1,000
	07/16/20	<0.60	<25	<200	<0.59	<13	<0.61	<13	<13
	09/21/22	1.96 J	<1.00	<42.0	<1.80	5,870	<0.280	<1.60	<0.350
02261 MW-31I (D)	01/30/19	<12	<500	<4,100	<12	**8,740**	18.1 J	**1,570**	<250
	08/27/19	<12	<500	<4,100	<12	**6,870**	15.5 J	999 J	<250
	07/16/20	<4.8	<200	<1,600	<4.7	**8,880**	18.5 J	**1,450**	<100
	09/21/22	<9.60	<10.0	<420	<18.0	**6,270**	18.0 J	858	<3.50

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-1 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/28/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 TW-2 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/28/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 TW-3 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/28/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
02261 TW-4 (D)	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
	01/30/19	<12	<500	<4,100	<12	**9,980**	47.1 J	**1,790**	<250
	08/27/19	<24	<1,000	<8,200	<24	**9,990**	53.7 J	<530	<500
	07/16/20	<24	<1,000	<8,200	<24	**11,500**	49.3 J	**2,340**	<500
	09/21/22	<96.0	<100	<4200	<180	**13,100**	66.5 J	**2,980**	<35.0
02261 TW-4 (D) DUP	09/21/22	<96.0	<100	<4200	<180	**15,200**	76.9 J	**3,240**	<35.0
02261 TW-5 (D)	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
	01/31/19	0.27 J	<10	<82	<0.24	**455**	0.82 J	114	<5.0
	08/27/19	<0.24	<10	<82	<0.24	220	0.44 J	65.2	<5.0
	07/16/20	0.42 J	<10	<82	<0.24	199	0.97 J	129	<5.0
	09/22/22	<0.960	1.65 J	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 TW-6 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/27/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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-7 (D)	09/04/19	<0.24	<10	<82	<0.24	12.1 J	<0.24	7.9 J	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	8.29 J	<0.350
02261 TW-8 (D)	09/03/19	<2.4	<100	<820	<2.4	**1,620**	24.9	702	<50
	07/16/20	1.8	<10	<82	<0.24	**1,760**	24.0	905	<5.0
	09/21/22	<9.60	<10.0	<420	<18.0	**2,390**	31.7 J	1,200	<3.50
02261 TW-9 (D)	09/03/19	<0.24	<10	<82	<0.24	15.1 J	<0.24	10.4 J	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 TW-10 (D)	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
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
	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
PW-3 DUP	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/27/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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**
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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	01/31/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/28/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
MW FB 2	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
WSW TRIP BLANK	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	3.7 J	<2.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
WSW FIELD BLANK	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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

Laboratory Analytical Report – Ground Water Samples

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10/7/2022

Geological Resources, Inc.
Scott Ball
3502 Hayse Road
Monroe, NC, 28110

Ref: Analytical Testing
Lab Report Number: 22-265-0031
Client Project Description: Carolina Country Convenience
GRI #3289
Project Number: GRI #

Dear Scott Ball:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 9/22/2022 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Danyale Love
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

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Certification Summary

Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2023
North Carolina	State Program	402	12/31/2022
South Carolina	State Program	99012	07/31/2022
South Carolina	State Program	99012	12/31/2022

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Sample Summary Table

Report Number: **22-265-0031**

Client Project Description: **Carolina Country Convenience**
GRI #3289

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
89204	02275 MW-2	Aqueous	09/21/2022 13:23	09/22/2022		
89205	02275 MW-3	Aqueous	09/21/2022 14:14	09/22/2022		
89206	02275 MW-4	Aqueous	09/21/2022 14:30	09/22/2022		
89207	02275 MW-6	Aqueous	09/21/2022 13:50	09/22/2022		
89208	02275 MW-8	Aqueous	09/21/2022 13:58	09/22/2022		
89209	02275 MW-12	Aqueous	09/21/2022 13:44	09/22/2022		
89210	02275 MW-13	Aqueous	09/21/2022 14:21	09/22/2022		
89211	02275 MW-25	Aqueous	09/21/2022 14:50	09/22/2022		
89212	02275 MW-19	Aqueous	09/21/2022 14:41	09/22/2022		
89213	02275 MW-26	Aqueous	09/21/2022 16:07	09/22/2022		
89214	02275 MW-32	Aqueous	09/21/2022 12:38	09/22/2022		
89215	02275 MW-34	Aqueous	09/21/2022 12:16	09/22/2022		
89217	02275 MW-28I	Aqueous	09/21/2022 12:45	09/22/2022		
89218	02275 MW-29I	Aqueous	09/21/2022 15:18	09/22/2022		
89219	02275 MW-30I	Aqueous	09/21/2022 15:57	09/22/2022		
89220	02275 MW-31I	Aqueous	09/21/2022 16:17	09/22/2022		
89221	02275 TW-4	Aqueous	09/21/2022 09:13	09/22/2022		
89222	02275 TW-8	Aqueous	09/21/2022 10:39	09/22/2022		
89223	02275 TW-9	Aqueous	09/21/2022 11:51	09/22/2022		
89224	02275 MW-FB1	Aqueous	09/21/2022 06:45	09/22/2022		
89225	02275 MW-TB	Aqueous	09/21/2022 06:30	09/22/2022		
89226	02275 TW-2	Aqueous	09/22/2022 09:22	09/22/2022		
89227	02275 TW-5	Aqueous	09/22/2022 09:43	09/22/2022		
89228	02275 TW-6	Aqueous	09/22/2022 08:55	09/22/2022		
89229	02275 TW-7	Aqueous	09/22/2022 08:35	09/22/2022		
89230	02275 TW-10	Aqueous	09/22/2022 08:30	09/22/2022		

: Pace Analytical - Huntersville, NC, Huntersville, NC

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Sample Summary Table

Report Number: **22-265-0031**

Client Project Description: **Carolina Country Convenience**
GRI #3289

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
89231	02275 MW-FB2	Aqueous	09/22/2022 09:58	09/22/2022		
89232	02275 SW-1	Aqueous	09/20/2022 17:22	09/22/2022		
89233	02275 PW-3	Aqueous	09/20/2022 16:58	09/22/2022	524.2	
89233	02275 PW-3	Aqueous	09/20/2022 16:58	09/22/2022		
89234	02275 PW-TB	Aqueous	09/20/2022 07:30	09/22/2022	524.2	
89234	02275 PW-TB	Aqueous	09/20/2022 07:30	09/22/2022		
89235	02275 PW-FB	Aqueous	09/20/2022 07:45	09/22/2022	524.2	
89235	02275 PW-FB	Aqueous	09/20/2022 07:45	09/22/2022		
89236	02275 Dup-D	Aqueous	09/20/2022 16:59	09/22/2022	524.2	
89236	02275 Dup-D	Aqueous	09/20/2022 16:59	09/22/2022		
89237	02275 Dup-C	Aqueous	09/21/2022 12:46	09/22/2022		
89238	02275 Dup-B	Aqueous	09/21/2022 09:14	09/22/2022		

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Summary of Detected Analytes

Project: Carolina Country Convenience

Report Number: 22-265-0031

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02275 MW-2	**V 89204**					
6010D	Lead	0.033	mg/L	0.002	09/28/2022 15:24	
02275 MW-3	**V 89205**					
6010D	Lead	0.005	mg/L	0.002	09/29/2022 12:43	J
02275 MW-4	**V 89206**					
6010D	Lead	0.009	mg/L	0.002	09/29/2022 12:47	
02275 MW-12	**V 89209**					
8260D	Benzene	20300	µg/L	180	09/29/2022 19:18	
8260D	1,2-Dichloroethane	374	µg/L	15.0	09/29/2022 18:50	
8260D	Ethylbenzene	3310	µg/L	17.0	09/29/2022 18:50	
8260D	Methyl tert-butyl ether (MTBE)	703	µg/L	14.0	09/29/2022 18:50	
8260D	Naphthalene	742	µg/L	47.0	09/29/2022 18:50	
8260D	tert-Butyl Alcohol (TBA)	5940	µg/L	160	09/29/2022 18:50	
8260D	tert-Amyl Alcohol (TAA)	47500	µg/L	1900	09/29/2022 19:18	
8260D	Toluene	1030	µg/L	22.0	09/29/2022 18:50	
8260D	o-Xylene	5110	µg/L	21.0	09/29/2022 18:50	
8260D	m,p-Xylene	4810	µg/L	42.0	09/29/2022 18:50	
8260D	Xylene (Total)	9920	µg/L	21.0	09/29/2022 18:50	
02275 MW-13	**V 89210**					
6010D	Lead	0.009	mg/L	0.002	09/29/2022 12:51	
8260D	Benzene	2380	µg/L	18.0	09/29/2022 17:55	
8260D	Ethylbenzene	215	µg/L	17.0	09/29/2022 17:55	
8260D	Naphthalene	260	µg/L	47.0	09/29/2022 17:55	
8260D	tert-Amyl Alcohol (TAA)	3000	µg/L	190	09/29/2022 17:55	
8260D	Toluene	56.5	µg/L	22.0	09/29/2022 17:55	
8260D	o-Xylene	1540	µg/L	21.0	09/29/2022 17:55	
8260D	m,p-Xylene	839	µg/L	42.0	09/29/2022 17:55	
8260D	Xylene (Total)	2380	µg/L	21.0	09/29/2022 17:55	
02275 MW-25	**V 89211**					
6010D	Lead	0.011	mg/L	0.002	09/29/2022 12:55	
02275 MW-32	**V 89214**					
6010D	Lead	0.004	mg/L	0.002	09/28/2022 16:50	J
8260D	Benzene	2.50	µg/L	0.180	09/29/2022 21:51	
8260D	Methyl tert-butyl ether (MTBE)	0.227	µg/L	0.140	09/29/2022 21:51	J

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Summary of Detected Analytes

Project: Carolina Country Convenience

Report Number: 22-265-0031

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02275 MW-32	**V 89214**					
8260D	Naphthalene	1.63	µg/L	0.470	09/29/2022 21:51	
8260D	tert-Butyl Alcohol (TBA)	11.8	µg/L	1.60	09/29/2022 21:51	
8260D	tert-Amyl Alcohol (TAA)	30.5	µg/L	1.90	09/29/2022 21:51	
02275 MW-34	**V 89215**					
6010D	Lead	0.008	mg/L	0.002	09/28/2022 16:54	
8260D	Methyl tert-butyl ether (MTBE)	0.986	µg/L	0.140	09/29/2022 22:15	
02275 MW-28I	**V 89217**					
6010D	Lead	0.022	mg/L	0.002	09/28/2022 16:58	
8011	1,2-Dibromoethane	1.00	µg/L	0.00345	09/28/2022 19:56	
8260D	Benzene	12100	µg/L	180	09/29/2022 20:13	
8260D	1,2-Dichloroethane	382	µg/L	15.0	09/29/2022 19:46	
8260D	Ethylbenzene	1540	µg/L	17.0	09/29/2022 19:46	
8260D	Methyl tert-butyl ether (MTBE)	2000	µg/L	14.0	09/29/2022 19:46	
8260D	Naphthalene	446	µg/L	47.0	09/29/2022 19:46	
8260D	tert-Butyl Alcohol (TBA)	2950	µg/L	160	09/29/2022 19:46	
8260D	tert-Amyl Alcohol (TAA)	13700	µg/L	1900	09/29/2022 20:13	
8260D	tert-Amyl Methyl Ether (TAME)	75.0	µg/L	28.0	09/29/2022 19:46	J
8260D	Toluene	518	µg/L	22.0	09/29/2022 19:46	
8260D	o-Xylene	1710	µg/L	21.0	09/29/2022 19:46	
8260D	m,p-Xylene	2160	µg/L	42.0	09/29/2022 19:46	
8260D	Xylene (Total)	3870	µg/L	21.0	09/29/2022 19:46	
02275 MW-29I	**V 89218**					
6010D	Lead	0.012	mg/L	0.002	09/28/2022 17:03	
8011	1,2-Dibromoethane	0.136	µg/L	0.00342	09/28/2022 20:15	
8260D	Benzene	534	µg/L	1.80	10/03/2022 15:41	
8260D	Di-Isopropyl Ether (DIPE)	0.984	µg/L	0.960	09/30/2022 02:17	J
8260D	1,2-Dichloroethane	29.4	µg/L	0.150	09/30/2022 02:17	
8260D	Ethylbenzene	217	µg/L	1.70	10/03/2022 15:41	
8260D	Methyl tert-butyl ether (MTBE)	65.3	µg/L	0.140	09/30/2022 02:17	
8260D	Naphthalene	57.6	µg/L	4.70	10/03/2022 15:41	
8260D	tert-Butyl Alcohol (TBA)	194	µg/L	1.60	09/30/2022 02:17	
8260D	tert-Amyl Alcohol (TAA)	5630	µg/L	190	10/03/2022 16:06	
8260D	tert-Amyl Methyl Ether (TAME)	2.95	µg/L	0.280	09/30/2022 02:17	J
8260D	Toluene	1.11	µg/L	0.220	09/30/2022 02:17	
8260D	o-Xylene	5.38	µg/L	0.210	09/30/2022 02:17	

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Summary of Detected Analytes

Project: Carolina Country Convenience

Report Number: 22-265-0031

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02275 MW-29I	**V 89218**					
8260D	m,p-Xylene	32.5	µg/L	0.420	09/30/2022 02:17	
8260D	Xylene (Total)	37.9	µg/L	0.210	09/30/2022 02:17	
02275 MW-30I	**V 89219**					
6010D	Lead	0.006	mg/L	0.002	09/28/2022 17:07	
8011	1,2-Dibromoethane	7.13	µg/L	0.175	09/29/2022 09:24	
8260D	Benzene	9250	µg/L	18.0	10/03/2022 16:54	
8260D	Di-Isopropyl Ether (DIPE)	1.96	µg/L	0.960	09/30/2022 01:53	J
8260D	1,2-Dichloroethane	138	µg/L	1.50	10/03/2022 16:30	
8260D	Ethylbenzene	1620	µg/L	17.0	10/03/2022 16:54	
8260D	Methyl tert-butyl ether (MTBE)	464	µg/L	1.40	10/03/2022 16:30	
8260D	Naphthalene	349	µg/L	4.70	10/03/2022 16:30	
8260D	tert-Amyl Alcohol (TAA)	5870	µg/L	190	10/03/2022 16:54	
8260D	Toluene	869	µg/L	2.20	10/03/2022 16:30	
8260D	o-Xylene	2360	µg/L	21.0	10/03/2022 16:54	
8260D	m,p-Xylene	1920	µg/L	4.20	10/03/2022 16:30	
8260D	Xylene (Total)	4280	µg/L	4.20	10/03/2022 16:30	
02275 MW-31I	**V 89220**					
6010D	Lead	0.014	mg/L	0.002	09/28/2022 17:11	
8011	1,2-Dibromoethane	0.328	µg/L	0.00342	09/28/2022 21:14	
8260D	Benzene	2100	µg/L	18.0	10/05/2022 22:57	
8260D	1,2-Dichloroethane	76.2	µg/L	1.50	10/05/2022 07:59	
8260D	Ethylbenzene	329	µg/L	1.70	10/05/2022 07:59	
8260D	Methyl tert-butyl ether (MTBE)	270	µg/L	1.40	10/05/2022 07:59	
8260D	Naphthalene	213	µg/L	4.70	10/05/2022 07:59	
8260D	tert-Butyl Alcohol (TBA)	858	µg/L	16.0	10/05/2022 07:59	
8260D	tert-Amyl Alcohol (TAA)	6270	µg/L	190	10/05/2022 22:57	
8260D	tert-Amyl Methyl Ether (TAME)	18.0	µg/L	2.80	10/05/2022 07:59	J
8260D	Toluene	56.4	µg/L	2.20	10/05/2022 07:59	
8260D	o-Xylene	314	µg/L	2.10	10/05/2022 07:59	
8260D	m,p-Xylene	447	µg/L	4.20	10/05/2022 07:59	
8260D	Xylene (Total)	761	µg/L	2.10	10/05/2022 07:59	
02275 TW-4	**V 89221**					
8011	1,2-Dibromoethane	0.373	µg/L	0.00342	09/28/2022 21:34	
8260D	Benzene	11800	µg/L	180	09/29/2022 21:08	
8260D	1,2-Dichloroethane	362	µg/L	15.0	09/29/2022 20:41	

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Summary of Detected Analytes

Project: Carolina Country Convenience

Report Number: 22-265-0031

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02275 TW-4	**V 89221**					
8260D	Ethylbenzene	1330	µg/L	17.0	09/29/2022 20:41	
8260D	Methyl tert-butyl ether (MTBE)	2190	µg/L	14.0	09/29/2022 20:41	
8260D	Naphthalene	365	µg/L	47.0	09/29/2022 20:41	
8260D	tert-Butyl Alcohol (TBA)	2980	µg/L	160	09/29/2022 20:41	
8260D	tert-Amyl Alcohol (TAA)	13100	µg/L	1900	09/29/2022 21:08	
8260D	tert-Amyl Methyl Ether (TAME)	66.5	µg/L	28.0	09/29/2022 20:41	J
8260D	Toluene	191	µg/L	22.0	09/29/2022 20:41	
8260D	o-Xylene	356	µg/L	21.0	09/29/2022 20:41	
8260D	m,p-Xylene	982	µg/L	42.0	09/29/2022 20:41	
8260D	Xylene (Total)	1340	µg/L	21.0	09/29/2022 20:41	
02275 TW-8	**V 89222**					
8260D	Benzene	307	µg/L	1.80	09/29/2022 18:23	
8260D	1,2-Dichloroethane	85.5	µg/L	1.50	09/29/2022 18:23	
8260D	Ethylbenzene	59.5	µg/L	1.70	09/29/2022 18:23	
8260D	Methyl tert-butyl ether (MTBE)	579	µg/L	1.40	09/29/2022 18:23	
8260D	Naphthalene	50.9	µg/L	4.70	09/29/2022 18:23	
8260D	tert-Butyl Alcohol (TBA)	1200	µg/L	16.0	09/29/2022 18:23	
8260D	tert-Amyl Alcohol (TAA)	2390	µg/L	190	10/05/2022 22:30	
8260D	tert-Amyl Methyl Ether (TAME)	31.7	µg/L	2.80	09/29/2022 18:23	J
8260D	o-Xylene	10.0	µg/L	2.10	09/29/2022 18:23	
8260D	Xylene (Total)	10.0	µg/L	2.10	09/29/2022 18:23	
02275 TW-9	**V 89223**					
6010D	Lead	0.014	mg/L	0.002	09/28/2022 17:24	
02275 TW-2	**V 89226**					
8260D	Toluene	5.39	µg/L	0.220	09/29/2022 23:04	
02275 TW-5	**V 89227**					
6010D	Lead	0.012	mg/L	0.002	09/28/2022 17:46	
8260D	Methyl tert-butyl ether (MTBE)	0.472	µg/L	0.140	09/29/2022 23:28	J
8260D	Toluene	9.50	µg/L	0.220	09/29/2022 23:28	
8260D	3,3-Dimethyl-1-butanol	1.65	µg/L	1.00	09/29/2022 23:28	J
02275 TW-6	**V 89228**					
6010D	Lead	0.005	mg/L	0.002	09/28/2022 17:50	J
8260D	Toluene	14.6	µg/L	0.220	09/29/2022 23:52	

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Summary of Detected Analytes

Project: Carolina Country Convenience

Report Number: 22-265-0031

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02275 TW-7	**V 89229**					
6010D	Lead	0.040	mg/L	0.012	09/28/2022 17:55	
8260D	Benzene	0.646	µg/L	0.180	09/30/2022 00:16	
8260D	Methyl tert-butyl ether (MTBE)	0.390	µg/L	0.140	09/30/2022 00:16	J
8260D	tert-Butyl Alcohol (TBA)	8.29	µg/L	1.60	09/30/2022 00:16	J
8260D	Toluene	48.8	µg/L	0.220	09/30/2022 00:16	
02275 TW-10	**V 89230**					
6010D	Lead	0.004	mg/L	0.002	09/28/2022 18:55	J
02275 Dup-C	**V 89237**					
6010D	Lead	0.013	mg/L	0.002	09/29/2022 13:13	
8011	1,2-Dibromoethane	0.464	µg/L	0.00342	09/29/2022 08:44	
8260D	Benzene	9370	µg/L	18.0	09/29/2022 23:26	
8260D	1,2-Dichloroethane	382	µg/L	15.0	09/29/2022 23:26	
8260D	Ethylbenzene	790	µg/L	17.0	09/29/2022 23:26	
8260D	Methyl tert-butyl ether (MTBE)	2080	µg/L	14.0	09/29/2022 23:26	
8260D	Naphthalene	268	µg/L	47.0	09/29/2022 23:26	
8260D	tert-Butyl Alcohol (TBA)	3240	µg/L	160	09/29/2022 23:26	
8260D	tert-Amyl Alcohol (TAA)	15200	µg/L	1900	09/29/2022 23:53	
8260D	tert-Amyl Methyl Ether (TAME)	76.9	µg/L	28.0	09/29/2022 23:26	J
8260D	Toluene	269	µg/L	22.0	09/29/2022 23:26	
8260D	o-Xylene	799	µg/L	21.0	09/29/2022 23:26	
8260D	m,p-Xylene	1130	µg/L	42.0	09/29/2022 23:26	
8260D	Xylene (Total)	1930	µg/L	21.0	09/29/2022 23:26	
02275 Dup-B	**V 89238**					
8011	1,2-Dibromoethane	0.394	µg/L	0.00340	09/29/2022 09:04	
8260D	Benzene	11600	µg/L	180	09/29/2022 22:58	
8260D	1,2-Dichloroethane	353	µg/L	15.0	09/29/2022 22:31	
8260D	Ethylbenzene	1240	µg/L	17.0	09/29/2022 22:31	
8260D	Methyl tert-butyl ether (MTBE)	2120	µg/L	14.0	09/29/2022 22:31	
8260D	Naphthalene	384	µg/L	47.0	09/29/2022 22:31	
8260D	tert-Butyl Alcohol (TBA)	2990	µg/L	160	09/29/2022 22:31	
8260D	tert-Amyl Alcohol (TAA)	14000	µg/L	1900	09/29/2022 22:58	
8260D	tert-Amyl Methyl Ether (TAME)	68.2	µg/L	28.0	09/29/2022 22:31	J
8260D	Toluene	186	µg/L	22.0	09/29/2022 22:31	
8260D	o-Xylene	347	µg/L	21.0	09/29/2022 22:31	
8260D	m,p-Xylene	899	µg/L	42.0	09/29/2022 22:31	

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Summary of Detected Analytes

Project: Carolina Country Convenience

Report Number: 22-265-0031

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02275 Dup-B	**V 89238**					
8260D	Xylene (Total)	1250	µg/L	21.0	09/29/2022 22:31	

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Client: Geological Resources, Inc. **CASE NARRATIVE**
Project: Carolina Country Convenience
Lab Report Number: 22-265-0031
Date: 10/10/2022

Metals Analysis Method 6010D
Analyte: Lead
QC Batch No: V24470/V24276
CCB failed above MDL. Result 10X concentration. Result not affected.

Sample 89229 (02275 TW-7)
QC Batch No: V24461/V24280
The sample was diluted due to the nature of the sample matrix. Reporting limits have been adjusted accordingly.

Analyte: Barium
QC Batch No: V24421/V24400
CCB failed above MDL. Result 10X concentration. Result not affected.

Analyte: Barium
QC Batch No: V24461/V24400
CCB failed above MDL. Sample concentration BRL or 10X concentration. Result not affected.

Sample 89233 (02275 PW-3)
Analyte: Lead
QC Batch No: V24461/V24400
CCB failed above MDL. Sample concentration BRL. Result not affected.

Sample 89236 (02275 Dup-D)
Analyte: Lead
QC Batch No: V24461/V24400
CCB failed above MDL. Sample concentration BRL. Result not affected.

EDB and DBCP by Microextraction GC/ECD Method 8011
Sample 89219 (02275 MW-30I)
Analyte: 4-Bromofluorobenzene
QC Batch No: V24478/V24433
Surrogate(s) flagged for recovery outside QC limits in this project sample due to a required dilution. The dilution factor resulted in surrogate concentration(s) below the minimum detectable level. Batch QC samples (method blank and laboratory control samples) all showed surrogates within QC limits.

Volatile Organic Compounds - GC/MS Method 8260D
Analyte: 3,3-Dimethyl-1-butanol
QC Batch No: V24696/V24602
Recovery for the LCS exceeded the upper acceptance limit. However, all sample results associated with the batch are below the MQL, so this high bias had no impact upon the client data. The results are considered to be acceptable.

Analyte: 3,3-Dimethyl-1-butanol
QC Batch No: V24696/V24602
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: Ethanol
QC Batch No: V24546/V24602
Recovery for the LCS exceeded the upper acceptance limit. However, all sample results associated with the batch are below the MQL, so this high bias had no impact upon the client data. The results are considered to be acceptable.

Analyte: Ethanol
QC Batch No: V24604/V24602
LCS recovery for ethanol is below QC parameters. LCSD recovers within parameters. A low level standard at or below the RL was prepped and ethanol was present indicating that the analyte can be seen at the lowest point of the calibration. No further action taken.

Analyte: Ethanol
QC Batch No: V24696/V24602
Recovery for the LCS exceeded the upper acceptance limit. However, all sample results associated with the batch are below the MQL, so this high bias had no impact upon the client data. The results are considered to be acceptable.

Analyte: Ethanol
QC Batch No: V24696/V24602
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: tert-Amyl alcohol
QC Batch No: V24695/V24602
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: tert-Amyl alcohol
QC Batch No: V24696/V24602
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: tert-Amyl alcohol
QC Batch No: V24780/V24602
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: tert-Butyl alcohol
QC Batch No: V24695/V24602
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: tert-Butyl alcohol
QC Batch No: V24696/V24602
Recovery for the LCS exceeded the upper acceptance limit. However, all sample results associated with the batch are below the MQL, so this high bias had no impact upon the client data. The results are considered to be acceptable.

Analyte: tert-Butyl alcohol
QC Batch No: V24696/V24602
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

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Scott Ball
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Project ID :
Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89204**
Sample ID : **02275 MW-2**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:23**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 18:37	MSA	8260D
Lead	**0.033**	mg/L	0.002	0.006	1	09/28/22 15:24	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89204**
Sample ID : **02275 MW-2**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:23**

Analytical Method: 8011 **Prep Batch(es):** **V24368** 09/27/22 14:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00338	µg/L	0.00338	0.0205	1	09/27/22 20:58	JLK	V24416
Surrogate: 4-Bromofluorobenzene	101		Limits: 70-130%		1	09/27/22 20:58	JLK	V24416

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 18:37	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 18:37	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 18:37	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 18:37	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 18:37	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 18:37	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 18:37	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 18:37	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 18:37	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 18:37	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 18:37	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 18:37	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 18:37	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 18:37	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 18:37	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89204**
Sample ID : **02275 MW-2**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:23**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 18:37		V24604
Surrogate: 4-Bromofluorobenzene	98.4		Limits: 80-124%		1	09/29/22 18:37	MSA	V24604
Surrogate: Dibromofluoromethane	99.4		Limits: 75-129%		1	09/29/22 18:37	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	96.8		Limits: 63-136%		1	09/29/22 18:37	MSA	V24604
Surrogate: Toluene-d8	99.2		Limits: 77-123%		1	09/29/22 18:37	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89205**
Sample ID : **02275 MW-3**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:14**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 19:01	MSA	8260D
Lead	**0.005 J**	mg/L	0.002	0.006	1	09/29/22 12:43	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
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Danyale Love
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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89205**
Sample ID : **02275 MW-3**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:14**

Analytical Method: 8011 **Prep Batch(es):** **V24368** 09/27/22 14:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00337	µg/L	0.00337	0.0204	1	09/27/22 21:18	JLK	V24416
Surrogate: 4-Bromofluorobenzene	116		Limits: 70-130%		1	09/27/22 21:18	JLK	V24416

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 19:01	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 19:01	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 19:01	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 19:01	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 19:01	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 19:01	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 19:01	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 19:01	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 19:01	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 19:01	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 19:01	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 19:01	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 19:01	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 19:01	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 19:01	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89205**
Sample ID : **02275 MW-3**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:14**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 19:01		V24604
Surrogate: 4-Bromofluorobenzene	98.8		Limits: 80-124%		1	09/29/22 19:01	MSA	V24604
Surrogate: Dibromofluoromethane	101		Limits: 75-129%		1	09/29/22 19:01	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 63-136%		1	09/29/22 19:01	MSA	V24604
Surrogate: Toluene-d8	98.2		Limits: 77-123%		1	09/29/22 19:01	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89206**
Sample ID : **02275 MW-4**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 19:25	MSA	8260D
Lead	**0.009**	mg/L	0.002	0.006	1	09/29/22 12:47	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

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Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89206**
Sample ID : **02275 MW-4**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:30**

Analytical Method: 8011 **Prep Batch(es):** **V24368** 09/27/22 14:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00340	µg/L	0.00340	0.0206	1	09/27/22 21:38	JLK	V24416
Surrogate: 4-Bromofluorobenzene	105		Limits: 70-130%		1	09/27/22 21:38	JLK	V24416

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 19:25	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 19:25	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 19:25	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 19:25	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 19:25	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 19:25	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 19:25	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 19:25	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 19:25	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 19:25	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 19:25	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 19:25	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 19:25	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 19:25	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 19:25	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89206**
Sample ID : **02275 MW-4**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:30**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 19:25		V24604
Surrogate: 4-Bromofluorobenzene	99.6		Limits: 80-124%		1	09/29/22 19:25	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/29/22 19:25	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	99.8		Limits: 63-136%		1	09/29/22 19:25	MSA	V24604
Surrogate: Toluene-d8	98.4		Limits: 77-123%		1	09/29/22 19:25	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89207**
Sample ID : **02275 MW-6**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 19:50	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.8		Limits: 80-124%		1	09/29/22 19:50	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/29/22 19:50	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 63-136%		1	09/29/22 19:50	MSA	V24604
Surrogate: Toluene-d8	98.8		Limits: 77-123%		1	09/29/22 19:50	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project ID :
Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89207**
Sample ID : **02275 MW-6**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:50**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 19:50	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 19:50	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 19:50	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 19:50	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 19:50	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 19:50	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 19:50	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 19:50	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 19:50	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 19:50	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 19:50	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 19:50	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 19:50	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 19:50	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 19:50	MSA	V24604
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 19:50		V24604
Surrogate: 4-Bromofluorobenzene	98.8		Limits: 80-124%		1	09/29/22 19:50	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/29/22 19:50	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	101		Limits: 63-136%		1	09/29/22 19:50	MSA	V24604
Surrogate: Toluene-d8	98.8		Limits: 77-123%		1	09/29/22 19:50	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89208**
Sample ID : **02275 MW-8**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 20:14	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.2		Limits: 80-124%		1	09/29/22 20:14	MSA	V24604
Surrogate: Dibromofluoromethane	101		Limits: 75-129%		1	09/29/22 20:14	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 63-136%		1	09/29/22 20:14	MSA	V24604
Surrogate: Toluene-d8	97.8		Limits: 77-123%		1	09/29/22 20:14	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89208**
Sample ID : **02275 MW-8**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:58**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 20:14	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 20:14	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 20:14	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 20:14	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 20:14	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 20:14	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 20:14	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 20:14	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 20:14	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 20:14	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 20:14	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 20:14	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 20:14	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 20:14	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 20:14	MSA	V24604
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 20:14		V24604
Surrogate: 4-Bromofluorobenzene	98.2		Limits: 80-124%		1	09/29/22 20:14	MSA	V24604
Surrogate: Dibromofluoromethane	101		Limits: 75-129%		1	09/29/22 20:14	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 63-136%		1	09/29/22 20:14	MSA	V24604
Surrogate: Toluene-d8	97.8		Limits: 77-123%		1	09/29/22 20:14	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89209**
Sample ID : **02275 MW-12**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:44**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	09/29/22 18:50	JLB	8260D
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		100	09/29/22 18:50	JLB	V24546
Surrogate: Dibromofluoromethane	88.4		Limits: 75-129%		100	09/29/22 18:50	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	91.4		Limits: 63-136%		100	09/29/22 18:50	JLB	V24546
Surrogate: Toluene-d8	96.0		Limits: 77-123%		100	09/29/22 18:50	JLB	V24546
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		1000	09/29/22 19:18	JLB	V24546
Surrogate: Dibromofluoromethane	88.8		Limits: 75-129%		1000	09/29/22 19:18	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	93.0		Limits: 63-136%		1000	09/29/22 19:18	JLB	V24546
Surrogate: Toluene-d8	95.6		Limits: 77-123%		1000	09/29/22 19:18	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89209**
Sample ID : **02275 MW-12**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:44**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**20300**	µg/L	180	500	1000	09/29/22 19:18	JLB	V24546
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	09/29/22 18:50	JLB	V24546
1,2-Dichloroethane	**374**	µg/L	15.0	50.0	100	09/29/22 18:50	JLB	V24546
Ethanol	<4200	µg/L	4200	20000	100	09/29/22 18:50	JLB	V24546
Ethylbenzene	**3310**	µg/L	17.0	50.0	100	09/29/22 18:50	JLB	V24546
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	09/29/22 18:50	JLB	V24546
Methyl tert-butyl ether (MTBE)	**703**	µg/L	14.0	50.0	100	09/29/22 18:50	JLB	V24546
Naphthalene	**742**	µg/L	47.0	100	100	09/29/22 18:50	JLB	V24546
tert-Butyl Alcohol (TBA)	**5940**	µg/L	160	1000	100	09/29/22 18:50	JLB	V24546
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	09/29/22 18:50	JLB	V24546
tert-Amyl Alcohol (TAA)	**47500**	µg/L	1900	10000	1000	09/29/22 19:18	JLB	V24546
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	09/29/22 18:50	JLB	V24546
Toluene	**1030**	µg/L	22.0	50.0	100	09/29/22 18:50	JLB	V24546
o-Xylene	**5110**	µg/L	21.0	50.0	100	09/29/22 18:50	JLB	V24546
m,p-Xylene	**4810**	µg/L	42.0	100	100	09/29/22 18:50	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89209**
Sample ID : **02275 MW-12**

Matrix: **Aqueous**
Sampled: **9/21/2022 13:44**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**9920**	µg/L	21.0	50.0	100	09/29/22 18:50		V24546
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		100	09/29/22 18:50	JLB	V24546
Surrogate: Dibromofluoromethane	88.4		Limits: 75-129%		100	09/29/22 18:50	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	91.4		Limits: 63-136%		100	09/29/22 18:50	JLB	V24546
Surrogate: Toluene-d8	96.0		Limits: 77-123%		100	09/29/22 18:50	JLB	V24546
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		1000	09/29/22 19:18	JLB	V24546
Surrogate: Dibromofluoromethane	88.8		Limits: 75-129%		1000	09/29/22 19:18	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	93.0		Limits: 63-136%		1000	09/29/22 19:18	JLB	V24546
Surrogate: Toluene-d8	95.6		Limits: 77-123%		1000	09/29/22 19:18	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89210**
Sample ID : **02275 MW-13**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	09/29/22 17:55	JLB	8260D
Lead	**0.009**	mg/L	0.002	0.006	1	09/29/22 12:51	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89210**
Sample ID : **02275 MW-13**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:21**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**2380**	µg/L	18.0	50.0	100	09/29/22 17:55	JLB	V24546
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	09/29/22 17:55	JLB	V24546
1,2-Dichloroethane	<15.0	µg/L	15.0	50.0	100	09/29/22 17:55	JLB	V24546
Ethanol	<4200	µg/L	4200	20000	100	09/29/22 17:55	JLB	V24546
Ethylbenzene	**215**	µg/L	17.0	50.0	100	09/29/22 17:55	JLB	V24546
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	09/29/22 17:55	JLB	V24546
Methyl tert-butyl ether (MTBE)	<14.0	µg/L	14.0	50.0	100	09/29/22 17:55	JLB	V24546
Naphthalene	**260**	µg/L	47.0	100	100	09/29/22 17:55	JLB	V24546
tert-Butyl Alcohol (TBA)	<160	µg/L	160	1000	100	09/29/22 17:55	JLB	V24546
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	09/29/22 17:55	JLB	V24546
tert-Amyl Alcohol (TAA)	**3000**	µg/L	190	1000	100	09/29/22 17:55	JLB	V24546
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	09/29/22 17:55	JLB	V24546
Toluene	**56.5**	µg/L	22.0	50.0	100	09/29/22 17:55	JLB	V24546
o-Xylene	**1540**	µg/L	21.0	50.0	100	09/29/22 17:55	JLB	V24546
m,p-Xylene	**839**	µg/L	42.0	100	100	09/29/22 17:55	JLB	V24546
Xylene (Total)	**2380**	µg/L	21.0	50.0	100	09/29/22 17:55		V24546
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		100	09/29/22 17:55	JLB	V24546
Surrogate: Dibromofluoromethane	87.8		Limits: 75-129%		100	09/29/22 17:55	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		100	09/29/22 17:55	JLB	V24546
Surrogate: Toluene-d8	95.6		Limits: 77-123%		100	09/29/22 17:55	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89211**
Sample ID : **02275 MW-25**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:50**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 20:38	MSA	8260D
Lead	**0.011**	mg/L	0.002	0.006	1	09/29/22 12:55	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89211**
Sample ID : **02275 MW-25**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:50**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 20:38	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 20:38	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 20:38	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 20:38	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 20:38	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 20:38	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 20:38	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 20:38	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 20:38	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 20:38	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 20:38	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 20:38	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 20:38	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 20:38	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 20:38	MSA	V24604
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 20:38		V24604
Surrogate: 4-Bromofluorobenzene	98.6		Limits: 80-124%		1	09/29/22 20:38	MSA	V24604
Surrogate: Dibromofluoromethane	101		Limits: 75-129%		1	09/29/22 20:38	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	99.8		Limits: 63-136%		1	09/29/22 20:38	MSA	V24604
Surrogate: Toluene-d8	98.0		Limits: 77-123%		1	09/29/22 20:38	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89212**
Sample ID : **02275 MW-19**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:41**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 21:02	MSA	8260D
Lead	<0.002	mg/L	0.002	0.006	1	09/29/22 13:00	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project ID :
Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89212**
Sample ID : **02275 MW-19**

Matrix: **Aqueous**
Sampled: **9/21/2022 14:41**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 21:02	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 21:02	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 21:02	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 21:02	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 21:02	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 21:02	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 21:02	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 21:02	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 21:02	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 21:02	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 21:02	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 21:02	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 21:02	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 21:02	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 21:02	MSA	V24604
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 21:02		V24604
Surrogate: 4-Bromofluorobenzene	99.6		Limits: 80-124%		1	09/29/22 21:02	MSA	V24604
Surrogate: Dibromofluoromethane	99.4		Limits: 75-129%		1	09/29/22 21:02	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	96.6		Limits: 63-136%		1	09/29/22 21:02	MSA	V24604
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1	09/29/22 21:02	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89213**
Sample ID : **02275 MW-26**

Matrix: **Aqueous**
Sampled: **9/21/2022 16:07**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 21:27	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.0		Limits: 80-124%		1	09/29/22 21:27	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/29/22 21:27	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 63-136%		1	09/29/22 21:27	MSA	V24604
Surrogate: Toluene-d8	98.6		Limits: 77-123%		1	09/29/22 21:27	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89213**
Sample ID : **02275 MW-26**

Matrix: **Aqueous**
Sampled: **9/21/2022 16:07**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 21:27	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 21:27	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 21:27	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 21:27	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 21:27	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 21:27	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 21:27	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 21:27	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 21:27	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 21:27	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 21:27	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 21:27	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 21:27	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 21:27	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 21:27	MSA	V24604
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 21:27		V24604
Surrogate: 4-Bromofluorobenzene	99.0		Limits: 80-124%		1	09/29/22 21:27	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/29/22 21:27	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 63-136%		1	09/29/22 21:27	MSA	V24604
Surrogate: Toluene-d8	98.6		Limits: 77-123%		1	09/29/22 21:27	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89214**
Sample ID : **02275 MW-32**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 21:51	MSA	8260D
Lead	**0.004 J**	mg/L	0.002	0.006	1	09/28/22 16:50	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89214**
Sample ID : **02275 MW-32**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:38**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00345	µg/L	0.00345	0.0209	1	09/28/22 18:56	JLK	V24478
Surrogate: 4-Bromofluorobenzene	115		Limits: 70-130%		1	09/28/22 18:56	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**2.50**	µg/L	0.180	0.500	1	09/29/22 21:51	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 21:51	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 21:51	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 21:51	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 21:51	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 21:51	MSA	V24604
Methyl tert-butyl ether (MTBE)	**0.227 J**	µg/L	0.140	0.500	1	09/29/22 21:51	MSA	V24604
Naphthalene	**1.63**	µg/L	0.470	1.00	1	09/29/22 21:51	MSA	V24604
tert-Butyl Alcohol (TBA)	**11.8**	µg/L	1.60	10.0	1	09/29/22 21:51	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 21:51	MSA	V24604
tert-Amyl Alcohol (TAA)	**30.5**	µg/L	1.90	10.0	1	09/29/22 21:51	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 21:51	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 21:51	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 21:51	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 21:51	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89214**
Sample ID : **02275 MW-32**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:38**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 21:51		V24604
Surrogate: 4-Bromofluorobenzene	98.8		Limits: 80-124%		1	09/29/22 21:51	MSA	V24604
Surrogate: Dibromofluoromethane	99.2		Limits: 75-129%		1	09/29/22 21:51	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	99.2		Limits: 63-136%		1	09/29/22 21:51	MSA	V24604
Surrogate: Toluene-d8	99.0		Limits: 77-123%		1	09/29/22 21:51	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89215**
Sample ID : **02275 MW-34**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:16**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 22:15	MSA	8260D
Lead	**0.008**	mg/L	0.002	0.006	1	09/28/22 16:54	EDV	6010D

Qualifiers/ Definitions	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89215**
Sample ID : **02275 MW-34**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:16**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00337	µg/L	0.00337	0.0204	1	09/28/22 19:16	JLK	V24478
Surrogate: 4-Bromofluorobenzene	94.1		Limits: 70-130%		1	09/28/22 19:16	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 22:15	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 22:15	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 22:15	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 22:15	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 22:15	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 22:15	MSA	V24604
Methyl tert-butyl ether (MTBE)	**0.986**	µg/L	0.140	0.500	1	09/29/22 22:15	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 22:15	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 22:15	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 22:15	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 22:15	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 22:15	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 22:15	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 22:15	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 22:15	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89215**
Sample ID : **02275 MW-34**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:16**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 22:15		V24604
Surrogate: 4-Bromofluorobenzene	99.2		Limits: 80-124%		1	09/29/22 22:15	MSA	V24604
Surrogate: Dibromofluoromethane	99.8		Limits: 75-129%		1	09/29/22 22:15	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	97.6		Limits: 63-136%		1	09/29/22 22:15	MSA	V24604
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1	09/29/22 22:15	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89217**
Sample ID : **02275 MW-28I**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	09/29/22 19:46	JLB	8260D
Lead	**0.022**	mg/L	0.002	0.006	1	09/28/22 16:58	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89217**
Sample ID : **02275 MW-28I**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:45**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**1.00**	µg/L	0.00345	0.0209	1	09/28/22 19:56	JLK	V24478
Surrogate: 4-Bromofluorobenzene	112		Limits: 70-130%		1	09/28/22 19:56	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**12100**	µg/L	180	500	1000	09/29/22 20:13	JLB	V24546
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	09/29/22 19:46	JLB	V24546
1,2-Dichloroethane	**382**	µg/L	15.0	50.0	100	09/29/22 19:46	JLB	V24546
Ethanol	<4200	µg/L	4200	20000	100	09/29/22 19:46	JLB	V24546
Ethylbenzene	**1540**	µg/L	17.0	50.0	100	09/29/22 19:46	JLB	V24546
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	09/29/22 19:46	JLB	V24546
Methyl tert-butyl ether (MTBE)	**2000**	µg/L	14.0	50.0	100	09/29/22 19:46	JLB	V24546
Naphthalene	**446**	µg/L	47.0	100	100	09/29/22 19:46	JLB	V24546
tert-Butyl Alcohol (TBA)	**2950**	µg/L	160	1000	100	09/29/22 19:46	JLB	V24546
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	09/29/22 19:46	JLB	V24546
tert-Amyl Alcohol (TAA)	**13700**	µg/L	1900	10000	1000	09/29/22 20:13	JLB	V24546
tert-Amyl Methyl Ether (TAME)	**75.0 J**	µg/L	28.0	1000	100	09/29/22 19:46	JLB	V24546
Toluene	**518**	µg/L	22.0	50.0	100	09/29/22 19:46	JLB	V24546
o-Xylene	**1710**	µg/L	21.0	50.0	100	09/29/22 19:46	JLB	V24546
m,p-Xylene	**2160**	µg/L	42.0	100	100	09/29/22 19:46	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89217**
Sample ID : **02275 MW-28I**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:45**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**3870**	µg/L	21.0	50.0	100	09/29/22 19:46		V24546
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		100	09/29/22 19:46	JLB	V24546
Surrogate: Dibromofluoromethane	88.2		Limits: 75-129%		100	09/29/22 19:46	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	91.4		Limits: 63-136%		100	09/29/22 19:46	JLB	V24546
Surrogate: Toluene-d8	97.0		Limits: 77-123%		100	09/29/22 19:46	JLB	V24546
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		1000	09/29/22 20:13	JLB	V24546
Surrogate: Dibromofluoromethane	88.4		Limits: 75-129%		1000	09/29/22 20:13	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	91.4		Limits: 63-136%		1000	09/29/22 20:13	JLB	V24546
Surrogate: Toluene-d8	96.4		Limits: 77-123%		1000	09/29/22 20:13	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89218**
Sample ID : **02275 MW-29I**

Matrix: **Aqueous**
Sampled: **9/21/2022 15:18**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/30/22 02:17	MSA	8260D
Lead	**0.012**	mg/L	0.002	0.006	1	09/28/22 17:03	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89218**
Sample ID : **02275 MW-29I**

Matrix: **Aqueous**
Sampled: **9/21/2022 15:18**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.136**	µg/L	0.00342	0.0207	1	09/28/22 20:15	JLK	V24478
Surrogate: 4-Bromofluorobenzene	103		Limits: 70-130%		1	09/28/22 20:15	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00 **V24643** 10/03/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**534**	µg/L	1.80	5.00	10	10/03/22 15:41	MSA	V24644
Di-Isopropyl Ether (DIPE)	**0.984 J**	µg/L	0.960	5.00	1	09/30/22 02:17	MSA	V24604
1,2-Dichloroethane	**29.4**	µg/L	0.150	0.500	1	09/30/22 02:17	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/30/22 02:17	MSA	V24604
Ethylbenzene	**217**	µg/L	1.70	5.00	10	10/03/22 15:41	MSA	V24644
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/30/22 02:17	MSA	V24604
Methyl tert-butyl ether (MTBE)	**65.3**	µg/L	0.140	0.500	1	09/30/22 02:17	MSA	V24604
Naphthalene	**57.6**	µg/L	4.70	10.0	10	10/03/22 15:41	MSA	V24644
tert-Butyl Alcohol (TBA)	**194**	µg/L	1.60	10.0	1	09/30/22 02:17	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/30/22 02:17	MSA	V24604
tert-Amyl Alcohol (TAA)	**5630**	µg/L	190	1000	100	10/03/22 16:06	MSA	V24644
tert-Amyl Methyl Ether (TAME)	**2.95 J**	µg/L	0.280	10.0	1	09/30/22 02:17	MSA	V24604
Toluene	**1.11**	µg/L	0.220	0.500	1	09/30/22 02:17	MSA	V24604
o-Xylene	**5.38**	µg/L	0.210	0.500	1	09/30/22 02:17	MSA	V24604
m,p-Xylene	**32.5**	µg/L	0.420	1.00	1	09/30/22 02:17	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89218**
Sample ID : **02275 MW-29I**

Matrix: **Aqueous**
Sampled: **9/21/2022 15:18**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00 **V24643** 10/03/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**37.9**	µg/L	0.210	0.500	1	09/30/22 02:17		V24604
Surrogate: 4-Bromofluorobenzene	99.2		Limits: 80-124%		1	09/30/22 02:17	MSA	V24604
Surrogate: Dibromofluoromethane	96.4		Limits: 75-129%		1	09/30/22 02:17	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	97.2		Limits: 63-136%		1	09/30/22 02:17	MSA	V24604
Surrogate: Toluene-d8	100		Limits: 77-123%		1	09/30/22 02:17	MSA	V24604
Surrogate: 4-Bromofluorobenzene	95.0		Limits: 80-124%		10	10/03/22 15:41	MSA	V24644
Surrogate: Dibromofluoromethane	98.8		Limits: 75-129%		10	10/03/22 15:41	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	96.8		Limits: 63-136%		10	10/03/22 15:41	MSA	V24644
Surrogate: Toluene-d8	87.6		Limits: 77-123%		10	10/03/22 15:41	MSA	V24644
Surrogate: 4-Bromofluorobenzene	95.4		Limits: 80-124%		100	10/03/22 16:06	MSA	V24644
Surrogate: Dibromofluoromethane	97.0		Limits: 75-129%		100	10/03/22 16:06	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	91.4		Limits: 63-136%		100	10/03/22 16:06	MSA	V24644
Surrogate: Toluene-d8	87.4		Limits: 77-123%		100	10/03/22 16:06	MSA	V24644

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89219**
Sample ID : **02275 MW-30I**

Matrix: **Aqueous**
Sampled: **9/21/2022 15:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/30/22 01:53	MSA	8260D
Lead	**0.006**	mg/L	0.002	0.006	1	09/28/22 17:07	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89219**
Sample ID : **02275 MW-30I**

Matrix: **Aqueous**
Sampled: **9/21/2022 15:57**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**7.13**	µg/L	0.175	1.06	50	09/29/22 09:24	JLK	V24478
Surrogate: 4-Bromofluorobenzene	**0 ***	Limits: 70-130%			50	09/29/22 09:24	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00 **V24643** 10/03/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**9250**	µg/L	18.0	50.0	100	10/03/22 16:54	MSA	V24644
Di-Isopropyl Ether (DIPE)	**1.96 J**	µg/L	0.960	5.00	1	09/30/22 01:53	MSA	V24604
1,2-Dichloroethane	**138**	µg/L	1.50	5.00	10	10/03/22 16:30	MSA	V24644
Ethanol	<42.0	µg/L	42.0	200	1	09/30/22 01:53	MSA	V24604
Ethylbenzene	**1620**	µg/L	17.0	50.0	100	10/03/22 16:54	MSA	V24644
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/30/22 01:53	MSA	V24604
Methyl tert-butyl ether (MTBE)	**464**	µg/L	1.40	5.00	10	10/03/22 16:30	MSA	V24644
Naphthalene	**349**	µg/L	4.70	10.0	10	10/03/22 16:30	MSA	V24644
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/30/22 01:53	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/30/22 01:53	MSA	V24604
tert-Amyl Alcohol (TAA)	**5870**	µg/L	190	1000	100	10/03/22 16:54	MSA	V24644
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/30/22 01:53	MSA	V24604
Toluene	**869**	µg/L	2.20	5.00	10	10/03/22 16:30	MSA	V24644
o-Xylene	**2360**	µg/L	21.0	50.0	100	10/03/22 16:54	MSA	V24644
m,p-Xylene	**1920**	µg/L	4.20	10.0	10	10/03/22 16:30	MSA	V24644

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89219**
Sample ID : **02275 MW-30I**

Matrix: **Aqueous**
Sampled: **9/21/2022 15:57**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00 **V24643** 10/03/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**4280**	µg/L	4.20	10.0	10	10/03/22 16:30		V24644
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		1	09/30/22 01:53	MSA	V24604
Surrogate: Dibromofluoromethane	94.8		Limits: 75-129%		1	09/30/22 01:53	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	104		Limits: 63-136%		1	09/30/22 01:53	MSA	V24604
Surrogate: Toluene-d8	96.8		Limits: 77-123%		1	09/30/22 01:53	MSA	V24604
Surrogate: 4-Bromofluorobenzene	97.6		Limits: 80-124%		10	10/03/22 16:30	MSA	V24644
Surrogate: Dibromofluoromethane	95.0		Limits: 75-129%		10	10/03/22 16:30	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	98.4		Limits: 63-136%		10	10/03/22 16:30	MSA	V24644
Surrogate: Toluene-d8	88.4		Limits: 77-123%		10	10/03/22 16:30	MSA	V24644
Surrogate: 4-Bromofluorobenzene	95.4		Limits: 80-124%		100	10/03/22 16:54	MSA	V24644
Surrogate: Dibromofluoromethane	95.2		Limits: 75-129%		100	10/03/22 16:54	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	92.0		Limits: 63-136%		100	10/03/22 16:54	MSA	V24644
Surrogate: Toluene-d8	89.0		Limits: 77-123%		100	10/03/22 16:54	MSA	V24644

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89220**
Sample ID : **02275 MW-31I**

Matrix: **Aqueous**
Sampled: **9/21/2022 16:17**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<10.0	µg/L	10.0	100	10	10/05/22 07:59	MSA	8260D
Lead	**0.014**	mg/L	0.002	0.006	1	09/28/22 17:11	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89220**
Sample ID : **02275 MW-31I**

Matrix: **Aqueous**
Sampled: **9/21/2022 16:17**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.328**	µg/L	0.00342	0.0207	1	09/28/22 21:14	JLK	V24478
Surrogate: 4-Bromofluorobenzene	83.9		Limits: 70-130%		1	09/28/22 21:14	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24697** 10/04/22 14:00 **V24778** 10/05/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**2100**	µg/L	18.0	50.0	100	10/05/22 22:57	MSA	V24780
Di-Isopropyl Ether (DIPE)	<9.60	µg/L	9.60	50.0	10	10/05/22 07:59	MSA	V24700
1,2-Dichloroethane	**76.2**	µg/L	1.50	5.00	10	10/05/22 07:59	MSA	V24700
Ethanol	<420	µg/L	420	2000	10	10/05/22 07:59	MSA	V24700
Ethylbenzene	**329**	µg/L	1.70	5.00	10	10/05/22 07:59	MSA	V24700
Ethyl Tertiary Butyl Ether (ETBE)	<18.0	µg/L	18.0	100	10	10/05/22 07:59	MSA	V24700
Methyl tert-butyl ether (MTBE)	**270**	µg/L	1.40	5.00	10	10/05/22 07:59	MSA	V24700
Naphthalene	**213**	µg/L	4.70	10.0	10	10/05/22 07:59	MSA	V24700
tert-Butyl Alcohol (TBA)	**858**	µg/L	16.0	100	10	10/05/22 07:59	MSA	V24700
tert-Butyl formate (TBF)	<3.50	µg/L	3.50	100	10	10/05/22 07:59	MSA	V24700
tert-Amyl Alcohol (TAA)	**6270**	µg/L	190	1000	100	10/05/22 22:57	MSA	V24780
tert-Amyl Methyl Ether (TAME)	**18.0 J**	µg/L	2.80	100	10	10/05/22 07:59	MSA	V24700
Toluene	**56.4**	µg/L	2.20	5.00	10	10/05/22 07:59	MSA	V24700
o-Xylene	**314**	µg/L	2.10	5.00	10	10/05/22 07:59	MSA	V24700
m,p-Xylene	**447**	µg/L	4.20	10.0	10	10/05/22 07:59	MSA	V24700

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89220**
Sample ID : **02275 MW-31I**

Matrix: **Aqueous**
Sampled: **9/21/2022 16:17**

Analytical Method: 8260D **Prep Batch(es):** **V24697** 10/04/22 14:00 **V24778** 10/05/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**761**	µg/L	2.10	5.00	10	10/05/22 07:59		V24700
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		10	10/05/22 07:59	MSA	V24700
Surrogate: Dibromofluoromethane	99.6		Limits: 75-129%		10	10/05/22 07:59	MSA	V24700
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 63-136%		10	10/05/22 07:59	MSA	V24700
Surrogate: Toluene-d8	99.4		Limits: 77-123%		10	10/05/22 07:59	MSA	V24700
Surrogate: 4-Bromofluorobenzene	99.6		Limits: 80-124%		100	10/05/22 22:57	MSA	V24780
Surrogate: Dibromofluoromethane	96.6		Limits: 75-129%		100	10/05/22 22:57	MSA	V24780
Surrogate: 1,2-Dichloroethane - d4	95.2		Limits: 63-136%		100	10/05/22 22:57	MSA	V24780
Surrogate: Toluene-d8	99.8		Limits: 77-123%		100	10/05/22 22:57	MSA	V24780

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89221**
Sample ID : **02275 TW-4**

Matrix: **Aqueous**
Sampled: **9/21/2022 9:13**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	09/29/22 20:41	JLB	8260D
Lead	<0.002	mg/L	0.002	0.006	1	09/28/22 17:16	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89221**
Sample ID : **02275 TW-4**

Matrix: **Aqueous**
Sampled: **9/21/2022 9:13**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.373**	µg/L	0.00342	0.0207	1	09/28/22 21:34	JLK	V24478
Surrogate: 4-Bromofluorobenzene	104		Limits: 70-130%		1	09/28/22 21:34	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**11800**	µg/L	180	500	1000	09/29/22 21:08	JLB	V24546
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	09/29/22 20:41	JLB	V24546
1,2-Dichloroethane	**362**	µg/L	15.0	50.0	100	09/29/22 20:41	JLB	V24546
Ethanol	<4200	µg/L	4200	20000	100	09/29/22 20:41	JLB	V24546
Ethylbenzene	**1330**	µg/L	17.0	50.0	100	09/29/22 20:41	JLB	V24546
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	09/29/22 20:41	JLB	V24546
Methyl tert-butyl ether (MTBE)	**2190**	µg/L	14.0	50.0	100	09/29/22 20:41	JLB	V24546
Naphthalene	**365**	µg/L	47.0	100	100	09/29/22 20:41	JLB	V24546
tert-Butyl Alcohol (TBA)	**2980**	µg/L	160	1000	100	09/29/22 20:41	JLB	V24546
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	09/29/22 20:41	JLB	V24546
tert-Amyl Alcohol (TAA)	**13100**	µg/L	1900	10000	1000	09/29/22 21:08	JLB	V24546
tert-Amyl Methyl Ether (TAME)	**66.5 J**	µg/L	28.0	1000	100	09/29/22 20:41	JLB	V24546
Toluene	**191**	µg/L	22.0	50.0	100	09/29/22 20:41	JLB	V24546
o-Xylene	**356**	µg/L	21.0	50.0	100	09/29/22 20:41	JLB	V24546
m,p-Xylene	**982**	µg/L	42.0	100	100	09/29/22 20:41	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Scott Ball
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Monroe , NC 28110

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89221**
Sample ID : **02275 TW-4**

Matrix: **Aqueous**
Sampled: **9/21/2022 9:13**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**1340**	µg/L	21.0	50.0	100	09/29/22 20:41		V24546
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		100	09/29/22 20:41	JLB	V24546
Surrogate: Dibromofluoromethane	88.4		Limits: 75-129%		100	09/29/22 20:41	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	90.8		Limits: 63-136%		100	09/29/22 20:41	JLB	V24546
Surrogate: Toluene-d8	95.4		Limits: 77-123%		100	09/29/22 20:41	JLB	V24546
Surrogate: 4-Bromofluorobenzene	105		Limits: 80-124%		1000	09/29/22 21:08	JLB	V24546
Surrogate: Dibromofluoromethane	89.4		Limits: 75-129%		1000	09/29/22 21:08	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%		1000	09/29/22 21:08	JLB	V24546
Surrogate: Toluene-d8	96.4		Limits: 77-123%		1000	09/29/22 21:08	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89222**
Sample ID : **02275 TW-8**

Matrix: **Aqueous**
Sampled: **9/21/2022 10:39**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<10.0	µg/L	10.0	100	10	09/29/22 18:23	JLB	8260D
Lead	<0.002	mg/L	0.002	0.006	1	09/28/22 17:20	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Lab No : **89222**
Sample ID : **02275 TW-8**

Matrix: **Aqueous**
Sampled: **9/21/2022 10:39**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00343	µg/L	0.00343	0.0208	1	09/28/22 21:53	JLK	V24478
Surrogate: 4-Bromofluorobenzene	85.6		Limits: 70-130%		1	09/28/22 21:53	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00 **V24778** 10/05/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**307**	µg/L	1.80	5.00	10	09/29/22 18:23	JLB	V24546
Di-Isopropyl Ether (DIPE)	<9.60	µg/L	9.60	50.0	10	09/29/22 18:23	JLB	V24546
1,2-Dichloroethane	**85.5**	µg/L	1.50	5.00	10	09/29/22 18:23	JLB	V24546
Ethanol	<420	µg/L	420	2000	10	09/29/22 18:23	JLB	V24546
Ethylbenzene	**59.5**	µg/L	1.70	5.00	10	09/29/22 18:23	JLB	V24546
Ethyl Tertiary Butyl Ether (ETBE)	<18.0	µg/L	18.0	100	10	09/29/22 18:23	JLB	V24546
Methyl tert-butyl ether (MTBE)	**579**	µg/L	1.40	5.00	10	09/29/22 18:23	JLB	V24546
Naphthalene	**50.9**	µg/L	4.70	10.0	10	09/29/22 18:23	JLB	V24546
tert-Butyl Alcohol (TBA)	**1200**	µg/L	16.0	100	10	09/29/22 18:23	JLB	V24546
tert-Butyl formate (TBF)	<3.50	µg/L	3.50	100	10	09/29/22 18:23	JLB	V24546
tert-Amyl Alcohol (TAA)	**2390**	µg/L	190	1000	100	10/05/22 22:30	MSA	V24780
tert-Amyl Methyl Ether (TAME)	**31.7 J**	µg/L	2.80	100	10	09/29/22 18:23	JLB	V24546
Toluene	<2.20	µg/L	2.20	5.00	10	09/29/22 18:23	JLB	V24546
o-Xylene	**10.0**	µg/L	2.10	5.00	10	09/29/22 18:23	JLB	V24546
m,p-Xylene	<4.20	µg/L	4.20	10.0	10	09/29/22 18:23	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89222**
Sample ID : **02275 TW-8**

Matrix: **Aqueous**
Sampled: **9/21/2022 10:39**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00 **V24778** 10/05/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**10.0**	µg/L	2.10	5.00	10	09/29/22 18:23		V24546
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		1	10/05/22 02:32	MSA	V24700
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	10/05/22 02:32	MSA	V24700
Surrogate: 1,2-Dichloroethane - d4	107		Limits: 63-136%		1	10/05/22 02:32	MSA	V24700
Surrogate: Toluene-d8	99.8		Limits: 77-123%		1	10/05/22 02:32	MSA	V24700
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		10	09/29/22 18:23	JLB	V24546
Surrogate: Dibromofluoromethane	86.0		Limits: 75-129%		10	09/29/22 18:23	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	90.2		Limits: 63-136%		10	09/29/22 18:23	JLB	V24546
Surrogate: Toluene-d8	96.2		Limits: 77-123%		10	09/29/22 18:23	JLB	V24546
Surrogate: 4-Bromofluorobenzene	99.8		Limits: 80-124%		10	10/05/22 22:03	MSA	V24780
Surrogate: Dibromofluoromethane	97.2		Limits: 75-129%		10	10/05/22 22:03	MSA	V24780
Surrogate: 1,2-Dichloroethane - d4	97.4		Limits: 63-136%		10	10/05/22 22:03	MSA	V24780
Surrogate: Toluene-d8	98.4		Limits: 77-123%		10	10/05/22 22:03	MSA	V24780
Surrogate: 4-Bromofluorobenzene	99.0		Limits: 80-124%		100	10/05/22 22:30	MSA	V24780
Surrogate: Dibromofluoromethane	96.8		Limits: 75-129%		100	10/05/22 22:30	MSA	V24780
Surrogate: 1,2-Dichloroethane - d4	97.6		Limits: 63-136%		100	10/05/22 22:30	MSA	V24780
Surrogate: Toluene-d8	98.6		Limits: 77-123%		100	10/05/22 22:30	MSA	V24780

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89223**
Sample ID : **02275 TW-9**

Matrix: **Aqueous**
Sampled: **9/21/2022 11:51**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 22:39	MSA	8260D
Lead	**0.014**	mg/L	0.002	0.006	1	09/28/22 17:24	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89223**
Sample ID : **02275 TW-9**

Matrix: **Aqueous**
Sampled: **9/21/2022 11:51**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00347	µg/L	0.00347	0.0210	1	09/28/22 22:13	JLK	V24478
Surrogate: 4-Bromofluorobenzene	87.6		Limits: 70-130%		1	09/28/22 22:13	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 22:39	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 22:39	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 22:39	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 22:39	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 22:39	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 22:39	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 22:39	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 22:39	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 22:39	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 22:39	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 22:39	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 22:39	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/29/22 22:39	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 22:39	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 22:39	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89223**
Sample ID : **02275 TW-9**

Matrix: **Aqueous**
Sampled: **9/21/2022 11:51**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 22:39		V24604
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		1	09/29/22 22:39	MSA	V24604
Surrogate: Dibromofluoromethane	99.6		Limits: 75-129%		1	09/29/22 22:39	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 63-136%		1	09/29/22 22:39	MSA	V24604
Surrogate: Toluene-d8	98.8		Limits: 77-123%		1	09/29/22 22:39	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89224**
Sample ID : **02275 MW-FB1**

Matrix: **Aqueous**
Sampled: **9/21/2022 6:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	10/04/22 18:45	ANG	8260D
Lead	<0.002	mg/L	0.002	0.006	1	09/28/22 17:29	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89224**
Sample ID : **02275 MW-FB1**

Matrix: **Aqueous**
Sampled: **9/21/2022 6:45**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00343	µg/L	0.00343	0.0208	1	09/28/22 22:33	JLK	V24478
Surrogate: 4-Bromofluorobenzene	112		Limits: 70-130%		1	09/28/22 22:33	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24694** 10/04/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	10/04/22 18:45	ANG	V24695
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	10/04/22 18:45	ANG	V24695
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	10/04/22 18:45	ANG	V24695
Ethanol	<42.0	µg/L	42.0	200	1	10/04/22 18:45	ANG	V24695
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	10/04/22 18:45	ANG	V24695
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	10/04/22 18:45	ANG	V24695
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	10/04/22 18:45	ANG	V24695
Naphthalene	<0.470	µg/L	0.470	1.00	1	10/04/22 18:45	ANG	V24695
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	10/04/22 18:45	ANG	V24695
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	10/04/22 18:45	ANG	V24695
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	10/04/22 18:45	ANG	V24695
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	10/04/22 18:45	ANG	V24695
Toluene	<0.220	µg/L	0.220	0.500	1	10/04/22 18:45	ANG	V24695
o-Xylene	<0.210	µg/L	0.210	0.500	1	10/04/22 18:45	ANG	V24695
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	10/04/22 18:45	ANG	V24695

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89224**
Sample ID : **02275 MW-FB1**

Matrix: **Aqueous**
Sampled: **9/21/2022 6:45**

Analytical Method: 8260D **Prep Batch(es):** **V24694** 10/04/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	10/04/22 18:45		V24695
Surrogate: 4-Bromofluorobenzene	106		Limits: 80-124%		1	10/04/22 18:45	ANG	V24695
Surrogate: Dibromofluoromethane	92.0		Limits: 75-129%		1	10/04/22 18:45	ANG	V24695
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 63-136%		1	10/04/22 18:45	ANG	V24695
Surrogate: Toluene-d8	99.6		Limits: 77-123%		1	10/04/22 18:45	ANG	V24695

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89225**
Sample ID : **02275 MW-TB**

Matrix: **Aqueous**
Sampled: **9/21/2022 6:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	10/05/22 00:43	MSA	8260D
Surrogate: 4-Bromofluorobenzene	100		Limits: 80-124%		1	10/05/22 00:43	MSA	V24700
Surrogate: Dibromofluoromethane	96.8		Limits: 75-129%		1	10/05/22 00:43	MSA	V24700
Surrogate: 1,2-Dichloroethane - d4	99.6		Limits: 63-136%		1	10/05/22 00:43	MSA	V24700
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1	10/05/22 00:43	MSA	V24700

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Project ID :
Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89225**
Sample ID : **02275 MW-TB**

Matrix: **Aqueous**
Sampled: **9/21/2022 6:30**

Analytical Method: 8260D **Prep Batch(es):** **V24697** 10/04/22 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	10/05/22 00:43	MSA	V24700
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	10/05/22 00:43	MSA	V24700
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	10/05/22 00:43	MSA	V24700
Ethanol	<42.0	µg/L	42.0	200	1	10/05/22 00:43	MSA	V24700
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	10/05/22 00:43	MSA	V24700
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	10/05/22 00:43	MSA	V24700
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	10/05/22 00:43	MSA	V24700
Naphthalene	<0.470	µg/L	0.470	1.00	1	10/05/22 00:43	MSA	V24700
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	10/05/22 00:43	MSA	V24700
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	10/05/22 00:43	MSA	V24700
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	10/05/22 00:43	MSA	V24700
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	10/05/22 00:43	MSA	V24700
Toluene	<0.220	µg/L	0.220	0.500	1	10/05/22 00:43	MSA	V24700
o-Xylene	<0.210	µg/L	0.210	0.500	1	10/05/22 00:43	MSA	V24700
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	10/05/22 00:43	MSA	V24700
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	10/05/22 00:43		V24700
Surrogate: 4-Bromofluorobenzene	100		Limits: 80-124%		1	10/05/22 00:43	MSA	V24700
Surrogate: Dibromofluoromethane	96.8		Limits: 75-129%		1	10/05/22 00:43	MSA	V24700
Surrogate: 1,2-Dichloroethane - d4	99.6		Limits: 63-136%		1	10/05/22 00:43	MSA	V24700
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1	10/05/22 00:43	MSA	V24700

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89226**
Sample ID : **02275 TW-2**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:22**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 23:04	MSA	8260D
Lead	<0.002	mg/L	0.002	0.006	1	09/28/22 17:42	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
Received : 09/22/2022

Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89226**
Sample ID : **02275 TW-2**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:22**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00342	µg/L	0.00342	0.0207	1	09/28/22 22:52	JLK	V24478
Surrogate: 4-Bromofluorobenzene	100		Limits: 70-130%		1	09/28/22 22:52	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 23:04	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 23:04	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 23:04	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 23:04	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 23:04	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 23:04	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 23:04	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 23:04	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 23:04	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 23:04	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 23:04	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 23:04	MSA	V24604
Toluene	**5.39**	µg/L	0.220	0.500	1	09/29/22 23:04	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 23:04	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 23:04	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
Received : 09/22/2022

Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89226**
Sample ID : **02275 TW-2**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:22**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 23:04		V24604
Surrogate: 4-Bromofluorobenzene	97.8		Limits: 80-124%		1	09/29/22 23:04	MSA	V24604
Surrogate: Dibromofluoromethane	101		Limits: 75-129%		1	09/29/22 23:04	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	100		Limits: 63-136%		1	09/29/22 23:04	MSA	V24604
Surrogate: Toluene-d8	98.4		Limits: 77-123%		1	09/29/22 23:04	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89227**
Sample ID : **02275 TW-5**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:43**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	**1.65 J**	µg/L	1.00	10.0	1	09/29/22 23:28	MSA	8260D
Lead	**0.012**	mg/L	0.002	0.006	1	09/28/22 17:46	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89227**
Sample ID : **02275 TW-5**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:43**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00342	µg/L	0.00342	0.0207	1	09/28/22 23:11	JLK	V24478
Surrogate: 4-Bromofluorobenzene	109		Limits: 70-130%		1	09/28/22 23:11	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 23:28	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 23:28	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 23:28	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 23:28	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 23:28	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 23:28	MSA	V24604
Methyl tert-butyl ether (MTBE)	**0.472 J**	µg/L	0.140	0.500	1	09/29/22 23:28	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 23:28	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 23:28	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 23:28	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 23:28	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 23:28	MSA	V24604
Toluene	**9.50**	µg/L	0.220	0.500	1	09/29/22 23:28	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 23:28	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 23:28	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89227**
Sample ID : **02275 TW-5**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:43**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 23:28		V24604
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	09/29/22 23:28	MSA	V24604
Surrogate: Dibromofluoromethane	101		Limits: 75-129%		1	09/29/22 23:28	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 63-136%		1	09/29/22 23:28	MSA	V24604
Surrogate: Toluene-d8	98.4		Limits: 77-123%		1	09/29/22 23:28	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89228**
Sample ID : **02275 TW-6**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:55**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/29/22 23:52	MSA	8260D
Lead	**0.005 J**	mg/L	0.002	0.006	1	09/28/22 17:50	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89228**
Sample ID : **02275 TW-6**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:55**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00348	µg/L	0.00348	0.0211	1	09/28/22 23:30	JLK	V24478
Surrogate: 4-Bromofluorobenzene	119		Limits: 70-130%		1	09/28/22 23:30	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/29/22 23:52	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/29/22 23:52	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/29/22 23:52	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/29/22 23:52	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/29/22 23:52	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/29/22 23:52	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/29/22 23:52	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/29/22 23:52	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/29/22 23:52	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/29/22 23:52	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/29/22 23:52	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/29/22 23:52	MSA	V24604
Toluene	**14.6**	µg/L	0.220	0.500	1	09/29/22 23:52	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/29/22 23:52	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/29/22 23:52	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89228**
Sample ID : **02275 TW-6**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:55**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/29/22 23:52		V24604
Surrogate: 4-Bromofluorobenzene	99.0		Limits: 80-124%		1	09/29/22 23:52	MSA	V24604
Surrogate: Dibromofluoromethane	99.4		Limits: 75-129%		1	09/29/22 23:52	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	97.0		Limits: 63-136%		1	09/29/22 23:52	MSA	V24604
Surrogate: Toluene-d8	99.2		Limits: 77-123%		1	09/29/22 23:52	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89229**
Sample ID : **02275 TW-7**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/30/22 00:16	MSA	8260D
Lead	**0.040**	mg/L	0.012	0.030	5	09/28/22 17:55	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89229**
Sample ID : **02275 TW-7**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:35**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00351	µg/L	0.00351	0.0213	1	09/28/22 23:50	JLK	V24478
Surrogate: 4-Bromofluorobenzene	81.2		Limits: 70-130%		1	09/28/22 23:50	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**0.646**	µg/L	0.180	0.500	1	09/30/22 00:16	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/30/22 00:16	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/30/22 00:16	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/30/22 00:16	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/30/22 00:16	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/30/22 00:16	MSA	V24604
Methyl tert-butyl ether (MTBE)	**0.390 J**	µg/L	0.140	0.500	1	09/30/22 00:16	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/30/22 00:16	MSA	V24604
tert-Butyl Alcohol (TBA)	**8.29 J**	µg/L	1.60	10.0	1	09/30/22 00:16	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/30/22 00:16	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/30/22 00:16	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/30/22 00:16	MSA	V24604
Toluene	**48.8**	µg/L	0.220	0.500	1	09/30/22 00:16	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/30/22 00:16	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/30/22 00:16	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89229**
Sample ID : **02275 TW-7**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:35**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/30/22 00:16		V24604
Surrogate: 4-Bromofluorobenzene	98.8		Limits: 80-124%		1	09/30/22 00:16	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/30/22 00:16	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 63-136%		1	09/30/22 00:16	MSA	V24604
Surrogate: Toluene-d8	98.2		Limits: 77-123%		1	09/30/22 00:16	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89230**
Sample ID : **02275 TW-10**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/30/22 00:40	MSA	8260D
Lead	**0.004 J**	mg/L	0.002	0.006	1	09/28/22 18:55	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89230**
Sample ID : **02275 TW-10**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:30**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00340	µg/L	0.00340	0.0206	1	09/29/22 00:10	JLK	V24478
Surrogate: 4-Bromofluorobenzene	112		Limits: 70-130%		1	09/29/22 00:10	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/30/22 00:40	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/30/22 00:40	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/30/22 00:40	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/30/22 00:40	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/30/22 00:40	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/30/22 00:40	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/30/22 00:40	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/30/22 00:40	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/30/22 00:40	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/30/22 00:40	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/30/22 00:40	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/30/22 00:40	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/30/22 00:40	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/30/22 00:40	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/30/22 00:40	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89230**
Sample ID : **02275 TW-10**

Matrix: **Aqueous**
Sampled: **9/22/2022 8:30**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/30/22 00:40		V24604
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	09/30/22 00:40	MSA	V24604
Surrogate: Dibromofluoromethane	98.6		Limits: 75-129%		1	09/30/22 00:40	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	98.6		Limits: 63-136%		1	09/30/22 00:40	MSA	V24604
Surrogate: Toluene-d8	98.6		Limits: 77-123%		1	09/30/22 00:40	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89231**
Sample ID : **02275 MW-FB2**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	10/05/22 07:04	MSA	8260D
Lead	<0.002	mg/L	0.002	0.006	1	09/29/22 13:08	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89231**
Sample ID : **02275 MW-FB2**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:58**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00343	µg/L	0.00343	0.0208	1	09/29/22 00:28	JLK	V24478
Surrogate: 4-Bromofluorobenzene	115		Limits: 70-130%		1	09/29/22 00:28	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24697** 10/04/22 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	10/05/22 07:04	MSA	V24700
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	10/05/22 07:04	MSA	V24700
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	10/05/22 07:04	MSA	V24700
Ethanol	<42.0	µg/L	42.0	200	1	10/05/22 07:04	MSA	V24700
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	10/05/22 07:04	MSA	V24700
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	10/05/22 07:04	MSA	V24700
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	10/05/22 07:04	MSA	V24700
Naphthalene	<0.470	µg/L	0.470	1.00	1	10/05/22 07:04	MSA	V24700
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	10/05/22 07:04	MSA	V24700
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	10/05/22 07:04	MSA	V24700
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	10/05/22 07:04	MSA	V24700
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	10/05/22 07:04	MSA	V24700
Toluene	<0.220	µg/L	0.220	0.500	1	10/05/22 07:04	MSA	V24700
o-Xylene	<0.210	µg/L	0.210	0.500	1	10/05/22 07:04	MSA	V24700
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	10/05/22 07:04	MSA	V24700

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89231**
Sample ID : **02275 MW-FB2**

Matrix: **Aqueous**
Sampled: **9/22/2022 9:58**

Analytical Method: 8260D **Prep Batch(es):** **V24697** 10/04/22 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	10/05/22 07:04		V24700
Surrogate: 4-Bromofluorobenzene	99.2		Limits: 80-124%		1	10/05/22 07:04	MSA	V24700
Surrogate: Dibromofluoromethane	98.2		Limits: 75-129%		1	10/05/22 07:04	MSA	V24700
Surrogate: 1,2-Dichloroethane - d4	99.0		Limits: 63-136%		1	10/05/22 07:04	MSA	V24700
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1	10/05/22 07:04	MSA	V24700

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89232**
Sample ID : **02275 SW-1**

Matrix: **Aqueous**
Sampled: **9/20/2022 17:22**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/30/22 01:05	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.0		Limits: 80-124%		1	09/30/22 01:05	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/30/22 01:05	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 63-136%		1	09/30/22 01:05	MSA	V24604
Surrogate: Toluene-d8	98.2		Limits: 77-123%		1	09/30/22 01:05	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89232**
Sample ID : **02275 SW-1**

Matrix: **Aqueous**
Sampled: **9/20/2022 17:22**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00348	µg/L	0.00348	0.0211	1	09/29/22 08:24	JLK	V24478
Surrogate: 4-Bromofluorobenzene	119		Limits: 70-130%		1	09/29/22 08:24	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	09/30/22 01:05	MSA	V24604
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/30/22 01:05	MSA	V24604
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	09/30/22 01:05	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/30/22 01:05	MSA	V24604
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	09/30/22 01:05	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/30/22 01:05	MSA	V24604
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	09/30/22 01:05	MSA	V24604
Naphthalene	<0.470	µg/L	0.470	1.00	1	09/30/22 01:05	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/30/22 01:05	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/30/22 01:05	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/30/22 01:05	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/30/22 01:05	MSA	V24604
Toluene	<0.220	µg/L	0.220	0.500	1	09/30/22 01:05	MSA	V24604
o-Xylene	<0.210	µg/L	0.210	0.500	1	09/30/22 01:05	MSA	V24604
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	09/30/22 01:05	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89232**
Sample ID : **02275 SW-1**

Matrix: **Aqueous**
Sampled: **9/20/2022 17:22**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	09/30/22 01:05		V24604
Surrogate: 4-Bromofluorobenzene	99.0		Limits: 80-124%		1	09/30/22 01:05	MSA	V24604
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	09/30/22 01:05	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 63-136%		1	09/30/22 01:05	MSA	V24604
Surrogate: Toluene-d8	98.2		Limits: 77-123%		1	09/30/22 01:05	MSA	V24604

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89233**
Sample ID : **02275 PW-3**

Matrix: **Aqueous**
Sampled: **9/20/2022 16:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	09/30/22 01:29	MSA	8260D
Arsenic	<0.003	mg/L	0.003	0.010	1	09/28/22 19:30	EDV	6010D
Barium	<0.001	mg/L	0.001	0.010	1	09/28/22 19:30	EDV	6010D
Cadmium	<0.0002	mg/L	0.0002	0.0020	1	09/28/22 19:30	EDV	6010D
Chromium	<0.002	mg/L	0.002	0.005	1	09/28/22 19:30	EDV	6010D
Lead	<0.002	mg/L	0.002	0.006	1	09/28/22 19:30	EDV	6010D
Mercury (Total)	<0.00007	mg/L	0.00007	0.00020	1	09/27/22 16:43	EDV	7470A
Selenium	<0.005	mg/L	0.005	0.010	1	09/28/22 19:30	EDV	6010D
Silver	<0.0005	mg/L	0.0005	0.0050	1	09/28/22 19:30	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89233**
Sample ID : **02275 PW-3**

Matrix: **Aqueous**
Sampled: **9/20/2022 16:58**

Analytical Method: 8260D **Prep Batch(es):** **V24602** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	09/30/22 01:29	MSA	V24604
Ethanol	<42.0	µg/L	42.0	200	1	09/30/22 01:29	MSA	V24604
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	09/30/22 01:29	MSA	V24604
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	09/30/22 01:29	MSA	V24604
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	09/30/22 01:29	MSA	V24604
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	09/30/22 01:29	MSA	V24604
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	09/30/22 01:29	MSA	V24604
Surrogate: 4-Bromofluorobenzene	99.2		Limits: 80-124%		1	09/30/22 01:29	MSA	V24604
Surrogate: Dibromofluoromethane	96.8		Limits: 75-129%		1	09/30/22 01:29	MSA	V24604
Surrogate: 1,2-Dichloroethane - d4	96.2		Limits: 63-136%		1	09/30/22 01:29	MSA	V24604
Surrogate: Toluene-d8	99.2		Limits: 77-123%		1	09/30/22 01:29	MSA	V24604

Analytical Method: EPA-504.1 **Prep Batch(es):** **V24367** 09/27/22 14:00
Prep Method: EPA-504.1(PREP)

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00345	µg/L	0.00345	0.0209	1	09/27/22 16:21	JLK	V24415

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89234**
Sample ID : **02275 PW-TB**

Matrix: **Aqueous**
Sampled: **9/20/2022 7:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	10/03/22 19:20	MSA	8260D
Surrogate: 4-Bromofluorobenzene	95.2		Limits: 80-124%		1	10/03/22 19:20	MSA	V24644
Surrogate: Dibromofluoromethane	98.0		Limits: 75-129%		1	10/03/22 19:20	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	93.2		Limits: 63-136%		1	10/03/22 19:20	MSA	V24644
Surrogate: Toluene-d8	87.4		Limits: 77-123%		1	10/03/22 19:20	MSA	V24644

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89234**
Sample ID : **02275 PW-TB**

Matrix: **Aqueous**
Sampled: **9/20/2022 7:30**

Analytical Method: 8260D **Prep Batch(es):** **V24643** 10/03/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	10/03/22 19:20	MSA	V24644
Ethanol	<42.0	µg/L	42.0	200	1	10/03/22 19:20	MSA	V24644
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	10/03/22 19:20	MSA	V24644
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	10/03/22 19:20	MSA	V24644
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	10/03/22 19:20	MSA	V24644
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	10/03/22 19:20	MSA	V24644
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	10/03/22 19:20	MSA	V24644
Surrogate: 4-Bromofluorobenzene	95.2		Limits: 80-124%		1	10/03/22 19:20	MSA	V24644
Surrogate: Dibromofluoromethane	98.0		Limits: 75-129%		1	10/03/22 19:20	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	93.2		Limits: 63-136%		1	10/03/22 19:20	MSA	V24644
Surrogate: Toluene-d8	87.4		Limits: 77-123%		1	10/03/22 19:20	MSA	V24644

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89235**
Sample ID : **02275 PW-FB**

Matrix: **Aqueous**
Sampled: **9/20/2022 7:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	10/03/22 19:44	MSA	8260D
Surrogate: 4-Bromofluorobenzene	96.2		Limits: 80-124%		1	10/03/22 19:44	MSA	V24644
Surrogate: Dibromofluoromethane	98.6		Limits: 75-129%		1	10/03/22 19:44	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	10/03/22 19:44	MSA	V24644
Surrogate: Toluene-d8	87.2		Limits: 77-123%		1	10/03/22 19:44	MSA	V24644

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89235**
Sample ID : **02275 PW-FB**

Matrix: **Aqueous**
Sampled: **9/20/2022 7:45**

Analytical Method: 8260D **Prep Batch(es):** **V24643** 10/03/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	10/03/22 19:44	MSA	V24644
Ethanol	<42.0	µg/L	42.0	200	1	10/03/22 19:44	MSA	V24644
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	10/03/22 19:44	MSA	V24644
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	10/03/22 19:44	MSA	V24644
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	10/03/22 19:44	MSA	V24644
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	10/03/22 19:44	MSA	V24644
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	10/03/22 19:44	MSA	V24644
Surrogate: 4-Bromofluorobenzene	96.2		Limits: 80-124%		1	10/03/22 19:44	MSA	V24644
Surrogate: Dibromofluoromethane	98.6		Limits: 75-129%		1	10/03/22 19:44	MSA	V24644
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	10/03/22 19:44	MSA	V24644
Surrogate: Toluene-d8	87.2		Limits: 77-123%		1	10/03/22 19:44	MSA	V24644

Analytical Method: EPA-504.1 **Prep Batch(es):** **V24367** 09/27/22 14:00
Prep Method: EPA-504.1(PREP)

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00338	µg/L	0.00338	0.0205	1	09/27/22 17:01	JLK	V24415

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89236**
Sample ID : **02275 Dup-D**

Matrix: **Aqueous**
Sampled: **9/20/2022 16:59**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	10/04/22 14:16	MSA	8260D
Arsenic	<0.003	mg/L	0.003	0.010	1	09/28/22 19:34	EDV	6010D
Barium	<0.001	mg/L	0.001	0.010	1	09/28/22 19:34	EDV	6010D
Cadmium	<0.0002	mg/L	0.0002	0.0020	1	09/28/22 19:34	EDV	6010D
Chromium	<0.002	mg/L	0.002	0.005	1	09/28/22 19:34	EDV	6010D
Lead	<0.002	mg/L	0.002	0.006	1	09/28/22 19:34	EDV	6010D
Mercury (Total)	<0.00007	mg/L	0.00007	0.00020	1	09/27/22 16:45	EDV	7470A
Selenium	<0.005	mg/L	0.005	0.010	1	09/28/22 19:34	EDV	6010D
Silver	<0.0005	mg/L	0.0005	0.0050	1	09/28/22 19:34	EDV	6010D

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89236**
Sample ID : **02275 Dup-D**

Matrix: **Aqueous**
Sampled: **9/20/2022 16:59**

Analytical Method: 8260D **Prep Batch(es):** **V24693** 10/04/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	10/04/22 14:16	MSA	V24696
Ethanol	<42.0	µg/L	42.0	200	1	10/04/22 14:16	MSA	V24696
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	10/04/22 14:16	MSA	V24696
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	10/04/22 14:16	MSA	V24696
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	10/04/22 14:16	MSA	V24696
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	10/04/22 14:16	MSA	V24696
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	10/04/22 14:16	MSA	V24696
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	10/04/22 14:16	MSA	V24696
Surrogate: Dibromofluoromethane	97.6		Limits: 75-129%		1	10/04/22 14:16	MSA	V24696
Surrogate: 1,2-Dichloroethane - d4	97.8		Limits: 63-136%		1	10/04/22 14:16	MSA	V24696
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1	10/04/22 14:16	MSA	V24696

Analytical Method: EPA-504.1 **Prep Batch(es):** **V24367** 09/27/22 14:00
Prep Method: EPA-504.1(PREP)

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00343	µg/L	0.00343	0.0208	1	09/27/22 17:41	JLK	V24415

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89237**
Sample ID : **02275 Dup-C**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:46**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	09/29/22 23:26	JLB	8260D
Lead	**0.013**	mg/L	0.002	0.006	1	09/29/22 13:13	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Danyale Love
Project Manager

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Lab No : **89237**
Sample ID : **02275 Dup-C**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:46**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.464**	µg/L	0.00342	0.0207	1	09/29/22 08:44	JLK	V24478
Surrogate: 4-Bromofluorobenzene	113		Limits: 70-130%		1	09/29/22 08:44	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**9370**	µg/L	18.0	50.0	100	09/29/22 23:26	JLB	V24546
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	09/29/22 23:26	JLB	V24546
1,2-Dichloroethane	**382**	µg/L	15.0	50.0	100	09/29/22 23:26	JLB	V24546
Ethanol	<4200	µg/L	4200	20000	100	09/29/22 23:26	JLB	V24546
Ethylbenzene	**790**	µg/L	17.0	50.0	100	09/29/22 23:26	JLB	V24546
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	09/29/22 23:26	JLB	V24546
Methyl tert-butyl ether (MTBE)	**2080**	µg/L	14.0	50.0	100	09/29/22 23:26	JLB	V24546
Naphthalene	**268**	µg/L	47.0	100	100	09/29/22 23:26	JLB	V24546
tert-Butyl Alcohol (TBA)	**3240**	µg/L	160	1000	100	09/29/22 23:26	JLB	V24546
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	09/29/22 23:26	JLB	V24546
tert-Amyl Alcohol (TAA)	**15200**	µg/L	1900	10000	1000	09/29/22 23:53	JLB	V24546
tert-Amyl Methyl Ether (TAME)	**76.9 J**	µg/L	28.0	1000	100	09/29/22 23:26	JLB	V24546
Toluene	**269**	µg/L	22.0	50.0	100	09/29/22 23:26	JLB	V24546
o-Xylene	**799**	µg/L	21.0	50.0	100	09/29/22 23:26	JLB	V24546
m,p-Xylene	**1130**	µg/L	42.0	100	100	09/29/22 23:26	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89237**
Sample ID : **02275 Dup-C**

Matrix: **Aqueous**
Sampled: **9/21/2022 12:46**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**1930**	µg/L	21.0	50.0	100	09/29/22 23:26		V24546
Surrogate: 4-Bromofluorobenzene	99.8		Limits: 80-124%		100	09/29/22 23:26	JLB	V24546
Surrogate: Dibromofluoromethane	87.8		Limits: 75-129%		100	09/29/22 23:26	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	90.8		Limits: 63-136%		100	09/29/22 23:26	JLB	V24546
Surrogate: Toluene-d8	97.2		Limits: 77-123%		100	09/29/22 23:26	JLB	V24546
Surrogate: 4-Bromofluorobenzene	102		Limits: 80-124%		1000	09/29/22 23:53	JLB	V24546
Surrogate: Dibromofluoromethane	90.4		Limits: 75-129%		1000	09/29/22 23:53	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	91.2		Limits: 63-136%		1000	09/29/22 23:53	JLB	V24546
Surrogate: Toluene-d8	96.6		Limits: 77-123%		1000	09/29/22 23:53	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

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Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89238**
Sample ID : **02275 Dup-B**

Matrix: **Aqueous**
Sampled: **9/21/2022 9:14**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	09/29/22 22:31	JLB	8260D
Lead	<0.002	mg/L	0.002	0.006	1	09/29/22 13:26	EDV	6010D

Qualifiers/ Definitions				
	*	Outside QC Limit	DF	Dilution Factor
	J	Estimated value	MQL	Method Quantitation Limit

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Report Date : 10/10/2022
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Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89238**
Sample ID : **02275 Dup-B**

Matrix: **Aqueous**
Sampled: **9/21/2022 9:14**

Analytical Method: 8011 **Prep Batch(es):** **V24433** 09/29/22 16:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.394**	µg/L	0.00340	0.0206	1	09/29/22 09:04	JLK	V24478
Surrogate: 4-Bromofluorobenzene	89.5		Limits: 70-130%		1	09/29/22 09:04	JLK	V24478

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**11600**	µg/L	180	500	1000	09/29/22 22:58	JLB	V24546
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	09/29/22 22:31	JLB	V24546
1,2-Dichloroethane	**353**	µg/L	15.0	50.0	100	09/29/22 22:31	JLB	V24546
Ethanol	<4200	µg/L	4200	20000	100	09/29/22 22:31	JLB	V24546
Ethylbenzene	**1240**	µg/L	17.0	50.0	100	09/29/22 22:31	JLB	V24546
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	09/29/22 22:31	JLB	V24546
Methyl tert-butyl ether (MTBE)	**2120**	µg/L	14.0	50.0	100	09/29/22 22:31	JLB	V24546
Naphthalene	**384**	µg/L	47.0	100	100	09/29/22 22:31	JLB	V24546
tert-Butyl Alcohol (TBA)	**2990**	µg/L	160	1000	100	09/29/22 22:31	JLB	V24546
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	09/29/22 22:31	JLB	V24546
tert-Amyl Alcohol (TAA)	**14000**	µg/L	1900	10000	1000	09/29/22 22:58	JLB	V24546
tert-Amyl Methyl Ether (TAME)	**68.2 J**	µg/L	28.0	1000	100	09/29/22 22:31	JLB	V24546
Toluene	**186**	µg/L	22.0	50.0	100	09/29/22 22:31	JLB	V24546
o-Xylene	**347**	µg/L	21.0	50.0	100	09/29/22 22:31	JLB	V24546
m,p-Xylene	**899**	µg/L	42.0	100	100	09/29/22 22:31	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

00087
Geological Resources, Inc.
Scott Ball
3502 Hayse Road
Monroe , NC 28110

Project ID :
Project Carolina Country Convenience
Information : GRI #3289

Report Date : 10/10/2022
Received : 09/22/2022

Report Number : **22-265-0031**

REPORT OF ANALYSIS

Danyale Love
Project Manager

Lab No : **89238**
Sample ID : **02275 Dup-B**

Matrix: **Aqueous**
Sampled: **9/21/2022 9:14**

Analytical Method: 8260D **Prep Batch(es):** **V24543** 09/29/22 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**1250**	µg/L	21.0	50.0	100	09/29/22 22:31		V24546
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		100	09/29/22 22:31	JLB	V24546
Surrogate: Dibromofluoromethane	89.2		Limits: 75-129%		100	09/29/22 22:31	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	90.6		Limits: 63-136%		100	09/29/22 22:31	JLB	V24546
Surrogate: Toluene-d8	95.8		Limits: 77-123%		100	09/29/22 22:31	JLB	V24546
Surrogate: 4-Bromofluorobenzene	104		Limits: 80-124%		1000	09/29/22 22:58	JLB	V24546
Surrogate: Dibromofluoromethane	89.8		Limits: 75-129%		1000	09/29/22 22:58	JLB	V24546
Surrogate: 1,2-Dichloroethane - d4	92.6		Limits: 63-136%		1000	09/29/22 22:58	JLB	V24546
Surrogate: Toluene-d8	96.4		Limits: 77-123%		1000	09/29/22 22:58	JLB	V24546

Qualifiers/ Definitions

*	Outside QC Limit	DF	Dilution Factor
J	Estimated value	MQL	Method Quantitation Limit

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

September 29, 2022

Danyale Love
Waypoint Analytical, LLC
449 Springbrook Rd
Charlotte, NC 28217

RE: Project: 2237EXP
Pace Project No.: 92627712

Dear Danyale Love:

Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:
- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matthew Brainard
matthew.brainard@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Angela Overcash, Waypoint Analytical

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CERTIFICATIONS

Project: 2237EXP
Pace Project No.: 92627712

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2237EXP
Pace Project No.: 92627712

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92627712001	**PW-3**	Drinking Water	09/20/22 16:58	09/27/22 10:30
92627712002	**PW-TB**	Drinking Water	09/20/22 07:30	09/27/22 10:30
92627712003	**PW-FB**	Drinking Water	09/20/22 07:45	09/27/22 10:30
92627712004	**DUP-D**	Drinking Water	09/20/22 16:59	09/27/22 10:30

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SAMPLE ANALYTE COUNT

Project: 2237EXP
Pace Project No.: 92627712

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92627712001	**PW-3**	EPA 524.2	LMB	11	PASI-C
92627712002	**PW-TB**	EPA 524.2	LMB	11	PASI-C
92627712003	**PW-FB**	EPA 524.2	LMB	11	PASI-C
92627712004	**DUP-D**	EPA 524.2	LMB	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: 2237EXP
Pace Project No.: 92627712

Sample: PW-3 **Lab ID: 92627712001** Collected: 09/20/22 16:58 Received: 09/27/22 10:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		09/27/22 22:55	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/27/22 22:55	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/27/22 22:55	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/27/22 22:55	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/27/22 22:55	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/27/22 22:55	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		09/27/22 22:55	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/27/22 22:55	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/27/22 22:55	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		09/27/22 22:55	2199-69-1	
4-Bromofluorobenzene (S)	82	%	70-130		1		09/27/22 22:55	460-00-4	

Sample: PW-TB **Lab ID: 92627712002** Collected: 09/20/22 07:30 Received: 09/27/22 10:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		09/27/22 17:16	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/27/22 17:16	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/27/22 17:16	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/27/22 17:16	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/27/22 17:16	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/27/22 17:16	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		09/27/22 17:16	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/27/22 17:16	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/27/22 17:16	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	88	%	70-130		1		09/27/22 17:16	2199-69-1	
4-Bromofluorobenzene (S)	75	%	70-130		1		09/27/22 17:16	460-00-4	

Sample: PW-FB **Lab ID: 92627712003** Collected: 09/20/22 07:45 Received: 09/27/22 10:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2								
	Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		09/27/22 17:42	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/27/22 17:42	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/27/22 17:42	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/27/22 17:42	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2237EXP
Pace Project No.: 92627712

Sample: PW-FB **Lab ID: 92627712003** Collected: 09/20/22 07:45 Received: 09/27/22 10:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte								
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/27/22 17:42	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/27/22 17:42	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		09/27/22 17:42	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/27/22 17:42	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/27/22 17:42	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	91	%	70-130		1		09/27/22 17:42	2199-69-1	
4-Bromofluorobenzene (S)	79	%	70-130		1		09/27/22 17:42	460-00-4	

Sample: DUP-D **Lab ID: 92627712004** Collected: 09/20/22 16:59 Received: 09/27/22 10:30 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		09/27/22 23:21	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		09/27/22 23:21	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		09/27/22 23:21	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		09/27/22 23:21	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		09/27/22 23:21	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		09/27/22 23:21	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		09/27/22 23:21	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		09/27/22 23:21	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		09/27/22 23:21	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		09/27/22 23:21	2199-69-1	
4-Bromofluorobenzene (S)	83	%	70-130		1		09/27/22 23:21	460-00-4	

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QUALITY CONTROL DATA

Project: 2237EXP
Pace Project No.: 92627712

QC Batch: 726185
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92627712001, 92627712002, 92627712003, 92627712004

METHOD BLANK: 3782592 Matrix: Water
Associated Lab Samples: 92627712001, 92627712002, 92627712003, 92627712004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	09/27/22 15:58	
Benzene	mg/L	ND	0.00050	0.00021	09/27/22 15:58	
Ethylbenzene	mg/L	ND	0.00050	0.00022	09/27/22 15:58	
m&p-Xylene	mg/L	ND	0.0010	0.00039	09/27/22 15:58	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	09/27/22 15:58	
Naphthalene	mg/L	ND	0.00050	0.00035	09/27/22 15:58	
o-Xylene	mg/L	ND	0.00050	0.00022	09/27/22 15:58	
Toluene	mg/L	ND	0.00050	0.00020	09/27/22 15:58	
Xylene (Total)	mg/L	ND	0.00050	0.00022	09/27/22 15:58	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130		09/27/22 15:58	
4-Bromofluorobenzene (S)	%	85	70-130		09/27/22 15:58	

LABORATORY CONTROL SAMPLE: 3782593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.024	121	70-130	
Benzene	mg/L	0.02	0.019	95	70-130	
Ethylbenzene	mg/L	0.02	0.021	105	70-130	
m&p-Xylene	mg/L	0.04	0.045	113	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.020	98	70-130	
Naphthalene	mg/L	0.02	0.019	97	70-130	
o-Xylene	mg/L	0.02	0.021	106	70-130	
Toluene	mg/L	0.02	0.020	100	70-130	
Xylene (Total)	mg/L	0.06	0.066	111		
1,2-Dichlorobenzene-d4 (S)	%			117	70-130	
4-Bromofluorobenzene (S)	%			111	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 2237EXP
Pace Project No.: 92627712

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2237EXP
Pace Project No.: 92627712

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92627712001	**PW-3**	EPA 524.2	726185		
92627712002	**PW-TB**	EPA 524.2	726185		
92627712003	**PW-FB**	EPA 524.2	726185		
92627712004	**DUP-D**	EPA 524.2	726185		

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Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Waypoint

Project #: WO# : 92627712

92627712

Courier: ☐ Commercial ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☐ No

Date/Initials Person Examining Contents: MG 9-27-22

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☐ N/A

Thermometer: ☑ IR Gun ID: 92064

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.8 **Correction Factor:** Add/Subtract (°C) 0

Cooler Temp Corrected (°C): 1.8

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☑ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ **Date:** _____

Project Manager SRF Review: _____ **Date:** _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92627712
PM: MWB Due Date: 10/04/22
CLIENT: 92-Prism

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																2												
2																1												
3																2												
4																2												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Waypoint ANALYTICAL

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

09/23/2022 13:31:58
Export Batch Report
Export Batch Id : 2237EXP

Created: 9/23/2022 13:31:20
Computer: WPALMS-131
User: Danyale Love
Project Manager: Danyale Love

To: Pace Analytical - Huntersville, NC
9800 Kincey Ave / Suite 100
Huntersville, NC 28078
704-875-9092

From: Waypoint Analytical, LLC (Charlotte)
449 Springbrook Road
Charlotte, NC 28217
704-529-6364

92627712

Report No	Due Date	Sample Date	Customer Sample No
22-265-0031	09/29/2022	09/20/2022 16:58	02275 PW-3
22-265-0031	09/29/2022	09/20/2022 07:30	02275 PW-TB
22-265-0031	09/29/2022	09/20/2022 07:45	02275 PW-FB
22-265-0031	09/29/2022	09/20/2022 16:59	02275 Dup-P

Rush	Lab No	Method No	Fee Code Description
	89233	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/EDC UST Program (SUB) 001
	89234	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/EDC UST Program (SUB) 002
	89235	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/EDC UST Program (SUB) 003
	89236	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/EDC UST Program (SUB) 004

Sampled By	Method of Shipment	Blank / Cooler Temp.	
	FEDEX		
Remarks			
Relinquished By (sign)	Date / Time	Received By (sign)	Date / Time
	9/26/22	MDuPont HV	9-27-22 10:30
Relinquished By (sign)	Date / Time	Received By (sign)	Date / Time

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24276
QC Prep Batch Method: 3005A
QC Analytical Batch(es): V24386,V24421
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-V24276 Matrix: AQU
Associated Lab Samples: 89204

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Lead	mg/L	<0.002	0.002	0.006	09/27/22 13:30

Laboratory Control Sample LCS-V24276

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Lead	mg/L	0.100	0.108	108	80-120

Matrix Spike & Matrix Spike Duplicate V 89083-MS-V24276 V 89083-MSD-V24276

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	0.002	0.100	0.100	0.108	0.110	106	108	75-125	1.8	20.0

Post Digestion Spike V 89083-PDS-V24276

Parameter	Units	PDS Result	% Recovery	Analyzed
Lead	mg/L	0.272	109	09/27/22 16:22

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24280
QC Prep Batch Method: 3005A
QC Analytical Batch(es): V24461
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-V24280 Matrix: AQU

Associated Lab Samples: 89205, 89206, 89210, 89211, 89212, 89214, 89215, 89217, 89218, 89219, 89220, 89221, 89222, 89223, 89224, 89226, 89227, 89228, 89229

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Lead	mg/L	<0.002	0.002	0.006	09/28/22 15:28

Laboratory Control Sample LCS-V24280

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Lead	mg/L	0.100	0.110	110	80-120

Matrix Spike & Matrix Spike Duplicate V 89205-MS-V24280 V 89205-MSD-V24280

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	0.006	0.100	0.100	0.116	0.115	110	109	75-125	0.8	20.0

Post Digestion Spike V 89205-PDS-V24280

Parameter	Units	PDS Result	% Recovery	Analyzed
Lead	mg/L	0.274	108	09/28/22 16:15

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24400
QC Prep Batch Method: 3005A
QC Analytical Batch(es): V24461
Analysis Method: 6010D
Analysis Description: Metals Analysis

Lab Reagent Blank LRB-V24400 Matrix: AQU
Associated Lab Samples: 89230, 89231, 89233, 89236, 89237, 89238

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Arsenic	mg/L	<0.003	0.003	0.010	09/28/22 18:46
Barium	mg/L	<0.001	0.001	0.010	09/28/22 18:46
Cadmium	mg/L	<0.0002	0.0002	0.0020	09/28/22 18:46
Chromium	mg/L	<0.002	0.002	0.005	09/28/22 18:46
Lead	mg/L	<0.002	0.002	0.006	09/28/22 18:46
Selenium	mg/L	<0.005	0.005	0.010	09/28/22 18:46
Silver	mg/L	<0.0005	0.0005	0.0050	09/28/22 18:46

Laboratory Control Sample LCS-V24400

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Arsenic	mg/L	0.100	0.094	94.0	80-120
Barium	mg/L	1.00	1.06	106	80-120
Cadmium	mg/L	0.100	0.108	108	80-120
Chromium	mg/L	1.00	1.09	109	80-120
Lead	mg/L	0.100	0.110	110	80-120
Selenium	mg/L	0.100	0.097	97.0	80-120
Silver	mg/L	0.100	0.101	101	80-120

Matrix Spike & Matrix Spike Duplicate V 89230-MS-V24400 V 89230-MSD-V24400

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Arsenic	mg/L	< 0.003	0.100	0.100	0.092	0.093	92.0	93.0	75-125	1.0	20.0
Barium	mg/L	0.070	1.00	1.00	1.13	1.13	106	106	75-125	0.0	20.0
Cadmium	mg/L	< 0.0002	0.100	0.100	0.107	0.107	107	107	75-125	0.0	20.0
Chromium	mg/L	0.004	1.00	1.00	1.08	1.07	108	107	75-125	0.9	20.0

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24400
QC Prep Batch Method: 3005A
QC Analytical Batch(es): V24461
Analysis Method: 6010D
Analysis Description: Metals Analysis

Matrix Spike & Matrix Spike Duplicate V 89230-MS-V24400 V 89230-MSD-V24400

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	mg/L	0.004	0.100	0.100	0.113	0.113	109	109	75-125	0.0	20.0
Selenium	mg/L	< 0.005	0.100	0.100	0.093	0.093	93.0	93.0	75-125	0.0	20.0
Silver	mg/L	< 0.0005	0.100	0.100	0.101	0.0999	101	100	75-125	1.0	20.0

Post Digestion Spike V 89230-PDS-V24400

Parameter	Units	PDS Result	% Recovery	Analyzed
Arsenic	mg/L	0.243	97.0	09/28/22 19:08
Barium	mg/L	2.66	105	09/28/22 19:08
Cadmium	mg/L	0.270	108	09/28/22 19:08
Chromium	mg/L	2.71	108	09/28/22 19:08
Lead	mg/L	0.270	107	09/28/22 19:08
Selenium	mg/L	0.242	97.0	09/28/22 19:08
Silver	mg/L	0.254	101	09/28/22 19:08

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24357
QC Prep Batch Method: 7470A
QC Analytical Batch(es): V24403
Analysis Method: 7470A
Analysis Description: Total Aqueous Mercury Analysis - CVAA

Lab Reagent Blank LRB-V24357 Matrix: AQU
Associated Lab Samples: 89233, 89236

Parameter	Units	Blank Result	MDL	MQL	Analyzed
Mercury (Total)	mg/L	<0.00007	0.00007	0.00020	09/27/22 15:30

Laboratory Control Sample LCS-V24357

Parameter	Units	Spike Conc.	LCS Result	LCS %Rec	% Rec Limits
Mercury (Total)	mg/L	0.00937	0.00985	105	80-120

Matrix Spike & Matrix Spike Duplicate V 99903-MS-V24357 V 99903-MSD-V24357

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Mercury (Total)	mg/L	< 0.00007	0.00937	0.00937	0.00916	0.00898	98.0	96.0	80-120	1.9	20.0

Post Digestion Spike V 99903-PDS-V24357

Parameter	Units	PDS Result	% Recovery	Analyzed
Mercury (Total)	mg/L	0.00436	93.0	09/27/22 15:44

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24368
QC Prep Batch Method: 8011
QC Analytical Batch(es): V24416
Analysis Method: 8011
Analysis Description: EDB and DBCP by Microextraction GC/ECD

Lab Reagent Blank LRB-V24368 Matrix: AQU
Associated Lab Samples: 89204, 89205, 89206

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dibromoethane	µg/L	<0.00330	0.00330	0.0200	09/27/22 15:20		
4-Bromofluorobenzene (S)					09/27/22 15:20	116	70-130

Laboratory Control Sample & LCSD LCS-V24368 LCSD-V24368

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dibromoethane	µg/L	0.250	0.252	0.256	101	102	60-140	1.5	20.0
4-Bromofluorobenzene (S)					112	121	70-130		

Duplicate V 89162-DUP-V24368

Parameter	Units	DUP Result	Surrogate Recovery	Analyzed
4-Bromofluorobenzene (S)	µg/L	6.00	117	09/27/22 20:18

Matrix Spike V 89161-MS-V24368

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	%Rec Limits	Max RPD
1,2-Dibromoethane	µg/L	< 0.00340	0.257		0.256		99.6	60-140	
4-Bromofluorobenzene (S)							114	70-130	

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24433
QC Prep Batch Method: 8011
QC Analytical Batch(es): V24478
Analysis Method: 8011
Analysis Description: EDB and DBCP by Microextraction GC/ECD

Lab Reagent Blank LRB-V24433 Matrix: AQU

Associated Lab Samples: 89214, 89215, 89217, 89218, 89219, 89220, 89221, 89222, 89223, 89224, 89226, 89227, 89228, 89229, 89230, 89231, 89232, 89237, 89238

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
1,2-Dibromoethane	µg/L	<0.00330	0.00330	0.0200	09/28/22 17:57		
4-Bromofluorobenzene (S)					09/28/22 17:57	114	70-130

Laboratory Control Sample & LCSD LCS-V24433 LCSD-V24433

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dibromoethane	µg/L	0.250	0.244	0.257	97.6	103	60-140	5.1	20.0
4-Bromofluorobenzene (S)					117	119	70-130		

Duplicate V 89218-DUP-V24433

Parameter	Units	DUP Result	Surrogate Recovery	Analyzed
4-Bromofluorobenzene (S)	µg/L	5.57	108	09/28/22 20:35

Matrix Spike V 89215-MS-V24433

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	%Rec Limits	Max RPD
1,2-Dibromoethane	µg/L	< 0.00340	0.257		0.220		85.6	60-140	
4-Bromofluorobenzene (S)							114	70-130	

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24543
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24546
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V24543 Matrix: AQU
Associated Lab Samples: 89209, 89210, 89217, 89221, 89222, 89237, 89238

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	09/29/22 13:20		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	09/29/22 13:20		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	09/29/22 13:20		
Ethanol	µg/L	<42.0	42.0	200	09/29/22 13:20		
Ethylbenzene	µg/L	<0.170	0.170	0.500	09/29/22 13:20		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	09/29/22 13:20		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	09/29/22 13:20		
Naphthalene	µg/L	<0.470	0.470	1.00	09/29/22 13:20		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	09/29/22 13:20		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	09/29/22 13:20		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	09/29/22 13:20		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	09/29/22 13:20		
Toluene	µg/L	<0.220	0.220	0.500	09/29/22 13:20		
o-Xylene	µg/L	<0.210	0.210	0.500	09/29/22 13:20		
m,p-Xylene	µg/L	<0.420	0.420	1.00	09/29/22 13:20		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	09/29/22 13:20		
4-Bromofluorobenzene (S)					09/29/22 13:20	103	80-124
Dibromofluoromethane (S)					09/29/22 13:20	93.8	75-129
1,2-Dichloroethane - d4 (S)					09/29/22 13:20	93.0	63-136
Toluene-d8 (S)					09/29/22 13:20	97.0	77-123

Laboratory Control Sample & LCSD LCS-V24543 LCSD-V24543

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	21.6	21.0	108	105	77-128	2.8	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	20.0	19.6	100	98.0	60-154	2.0	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24543
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24546
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V24543 LCSD-V24543

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	18.8	18.6	94.0	93.0	68-131	1.0	20.0
Ethanol	µg/L	500	817	790	163*	158*	70-130	3.3	20.0
Ethylbenzene	µg/L	20.0	21.8	21.2	109	106	80-127	2.7	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	45.4	45.2	114	113	70-130	0.4	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	23.3	22.8	117	114	68-135	2.1	20.0
Naphthalene	µg/L	20.0	19.8	18.5	99.0	92.5	64-136	6.7	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	55.6	54.9	139	137	60-140	1.2	20.0
tert-Butyl formate (TBF)	µg/L	40.0	47.1	45.1	118	113	60-140	4.3	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	25.1	27.2	126	136	60-140	8.0	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	47.0	46.3	118	116	60-140	1.5	20.0
Toluene	µg/L	20.0	21.3	20.7	107	104	76-131	2.8	20.0
o-Xylene	µg/L	20.0	22.1	21.9	111	110	78-128	0.9	20.0
m,p-Xylene	µg/L	40.0	46.4	45.1	116	113	77-133	2.8	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	25.5	24.7	128	124	70-130	3.1	20.0
4-Bromofluorobenzene (S)					103	105	80-124		
Dibromofluoromethane (S)					94.2	96.2	75-129		
1,2-Dichloroethane - d4 (S)					91.4	93.6	63-136		
Toluene-d8 (S)					96.4	97.8	77-123		

* QC Fail

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24602
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24604
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V24602 Matrix: AQU

Associated Lab Samples: 89204, 89205, 89206, 89207, 89208, 89211, 89212, 89213, 89214, 89215, 89218, 89219, 89223, 89226, 89227, 89228, 89229, 89230, 89232, 89233

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	09/29/22 18:13		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	09/29/22 18:13		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	09/29/22 18:13		
Ethanol	µg/L	<42.0	42.0	200	09/29/22 18:13		
Ethylbenzene	µg/L	<0.170	0.170	0.500	09/29/22 18:13		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	09/29/22 18:13		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	09/29/22 18:13		
Naphthalene	µg/L	<0.470	0.470	1.00	09/29/22 18:13		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	09/29/22 18:13		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	09/29/22 18:13		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	09/29/22 18:13		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	09/29/22 18:13		
Toluene	µg/L	<0.220	0.220	0.500	09/29/22 18:13		
o-Xylene	µg/L	<0.210	0.210	0.500	09/29/22 18:13		
m,p-Xylene	µg/L	<0.420	0.420	1.00	09/29/22 18:13		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	09/29/22 18:13		
4-Bromofluorobenzene (S)					09/29/22 18:13	98.8	80-124
Dibromofluoromethane (S)					09/29/22 18:13	99.8	75-129
1,2-Dichloroethane - d4 (S)					09/29/22 18:13	99.6	63-136
Toluene-d8 (S)					09/29/22 18:13	97.6	77-123

Laboratory Control Sample & LCSD LCS-V24602 LCSD-V24602

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	20.5	20.0	103	100	77-128	2.4	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	20.3	19.9	102	99.5	60-154	1.9	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24602
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24604
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V24602 LCSD-V24602

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	19.9	19.4	99.5	97.0	68-131	2.5	20.0
Ethanol	µg/L	500	321	369	64.2*	73.8	70-130	13.9	20.0
Ethylbenzene	µg/L	20.0	20.6	20.3	103	102	80-127	1.4	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	42.6	42.4	107	106	70-130	0.4	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	20.3	20.3	102	102	68-135	0.0	20.0
Naphthalene	µg/L	20.0	20.9	20.8	105	104	64-136	0.4	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	30.8	34.1	77.0	85.2	60-140	10.1	20.0
tert-Butyl formate (TBF)	µg/L	40.0	41.7	41.4	104	104	60-140	0.7	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	20.4	20.7	102	104	60-140	1.4	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	42.2	42.3	106	106	60-140	0.2	20.0
Toluene	µg/L	20.0	20.5	19.9	103	99.5	76-131	2.9	20.0
o-Xylene	µg/L	20.0	20.8	20.5	104	103	78-128	1.4	20.0
m,p-Xylene	µg/L	40.0	44.0	43.0	110	108	77-133	2.2	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	20.6	17.6	103	88.0	70-130	15.7	20.0
4-Bromofluorobenzene (S)					99.0	99.2	80-124		
Dibromofluoromethane (S)					101	99.0	75-129		
1,2-Dichloroethane - d4 (S)					101	101	63-136		
Toluene-d8 (S)					99.4	100	77-123		

* QC Fail

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24643
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24644
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V24643 Matrix: AQU
Associated Lab Samples: 89218, 89219, 89234, 89235

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	10/03/22 13:40		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	10/03/22 13:40		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	10/03/22 13:40		
Ethanol	µg/L	<42.0	42.0	200	10/03/22 13:40		
Ethylbenzene	µg/L	<0.170	0.170	0.500	10/03/22 13:40		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	10/03/22 13:40		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	10/03/22 13:40		
Naphthalene	µg/L	<0.470	0.470	1.00	10/03/22 13:40		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	10/03/22 13:40		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	10/03/22 13:40		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	10/03/22 13:40		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	10/03/22 13:40		
Toluene	µg/L	<0.220	0.220	0.500	10/03/22 13:40		
o-Xylene	µg/L	<0.210	0.210	0.500	10/03/22 13:40		
m,p-Xylene	µg/L	<0.420	0.420	1.00	10/03/22 13:40		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	10/03/22 13:40		
4-Bromofluorobenzene (S)					10/03/22 13:40	96.4	80-124
Dibromofluoromethane (S)					10/03/22 13:40	97.4	75-129
1,2-Dichloroethane - d4 (S)					10/03/22 13:40	90.6	63-136
Toluene-d8 (S)					10/03/22 13:40	88.4	77-123

Laboratory Control Sample & LCSD LCS-V24643 LCSD-V24643

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	24.2	23.7	121	119	77-128	2.0	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	22.7	22.5	114	113	60-154	0.8	20.0

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Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24643
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24644
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V24643 LCSD-V24643

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	22.8	22.8	114	114	68-131	0.0	20.0
Ethanol	µg/L	500	482	532	96.4	106	70-130	9.8	20.0
Ethylbenzene	µg/L	20.0	21.4	20.4	107	102	80-127	4.7	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	49.5	50.1	124	125	70-130	1.2	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	23.3	24.0	117	120	68-135	2.9	20.0
Naphthalene	µg/L	20.0	20.5	21.7	103	109	64-136	5.6	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	37.7	39.5	94.2	98.7	60-140	4.6	20.0
tert-Butyl formate (TBF)	µg/L	40.0	46.1	47.6	115	119	60-140	3.2	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	24.7	24.4	124	122	60-140	1.2	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	48.2	49.8	121	125	60-140	3.2	20.0
Toluene	µg/L	20.0	24.5	23.5	123	118	76-131	4.1	20.0
o-Xylene	µg/L	20.0	21.2	20.0	106	100	78-128	5.8	20.0
m,p-Xylene	µg/L	40.0	45.0	43.0	113	108	77-133	4.5	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	18.8	22.2	94.0	111	70-130	16.5	20.0
4-Bromofluorobenzene (S)					97.2	98.2	80-124		
Dibromofluoromethane (S)					96.0	97.2	75-129		
1,2-Dichloroethane - d4 (S)					95.0	100	63-136		
Toluene-d8 (S)					88.8	87.8	77-123		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24693
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24696
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V24693 Matrix: AQU
Associated Lab Samples: 89236

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	10/04/22 13:49		
Ethanol	µg/L	<42.0	42.0	200	10/04/22 13:49		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	10/04/22 13:49		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	10/04/22 13:49		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	10/04/22 13:49		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	10/04/22 13:49		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	10/04/22 13:49		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	10/04/22 13:49		
4-Bromofluorobenzene (S)					10/04/22 13:49	97.0	80-124
Dibromofluoromethane (S)					10/04/22 13:49	97.8	75-129
1,2-Dichloroethane - d4 (S)					10/04/22 13:49	99.4	63-136
Toluene-d8 (S)					10/04/22 13:49	100	77-123

Laboratory Control Sample & LCSD LCS-V24693 LCSD-V24693

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Di-Isopropyl Ether (DIPE)	µg/L	20.0	19.5	18.8	97.5	94.0	60-154	3.6	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	45.0	40.2	113	101	70-130	11.2	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	60.7	34.4	152*	86.0	60-140	55.3*	20.0
tert-Butyl formate (TBF)	µg/L	40.0	42.6	40.9	107	102	60-140	4.0	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	24.5	12.2	123	61.0	60-140	67.0*	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	44.3	39.5	111	98.7	60-140	11.4	20.0
4-Bromofluorobenzene (S)					99.6	98.8	80-124		
Dibromofluoromethane (S)					97.6	104	75-129		
1,2-Dichloroethane - d4 (S)					99.6	99.2	63-136		

* QC Fail

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24693
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24696
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V24693 LCSD-V24693

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD
Toluene-d8 (S)					96.6	99.4	77-123	

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24694
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24695
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V24694 Matrix: AQU
Associated Lab Samples: 89224

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	10/04/22 18:22		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	10/04/22 18:22		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	10/04/22 18:22		
Ethanol	µg/L	<42.0	42.0	200	10/04/22 18:22		
Ethylbenzene	µg/L	<0.170	0.170	0.500	10/04/22 18:22		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	10/04/22 18:22		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	10/04/22 18:22		
Naphthalene	µg/L	<0.470	0.470	1.00	10/04/22 18:22		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	10/04/22 18:22		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	10/04/22 18:22		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	10/04/22 18:22		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	10/04/22 18:22		
Toluene	µg/L	<0.220	0.220	0.500	10/04/22 18:22		
o-Xylene	µg/L	<0.210	0.210	0.500	10/04/22 18:22		
m,p-Xylene	µg/L	<0.420	0.420	1.00	10/04/22 18:22		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	10/04/22 18:22		
4-Bromofluorobenzene (S)					10/04/22 18:22	104	80-124
Dibromofluoromethane (S)					10/04/22 18:22	93.2	75-129
1,2-Dichloroethane - d4 (S)					10/04/22 18:22	99.2	63-136
Toluene-d8 (S)					10/04/22 18:22	99.0	77-123

Laboratory Control Sample & LCSD LCS-V24694 LCSD-V24694

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	21.4	21.0	107	105	77-128	1.8	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	21.8	21.2	109	106	60-154	2.7	20.0

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24694
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24695
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V24694 LCSD-V24694

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	21.6	20.3	108	102	68-131	6.2	20.0
Ethanol	µg/L	500	543	536	109	107	70-130	1.2	20.0
Ethylbenzene	µg/L	20.0	20.9	20.4	105	102	80-127	2.4	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	45.5	44.1	114	110	70-130	3.1	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	21.4	19.4	107	97.0	68-135	9.8	20.0
Naphthalene	µg/L	20.0	21.9	20.1	110	101	64-136	8.5	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	27.7	36.9	69.2	92.2	60-140	28.4*	20.0
tert-Butyl formate (TBF)	µg/L	40.0	41.3	37.9	103	94.7	60-140	8.5	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	22.3	17.7	112	88.5	60-140	23.0*	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	43.6	41.9	109	105	60-140	3.9	20.0
Toluene	µg/L	20.0	21.7	20.3	109	102	76-131	6.6	20.0
o-Xylene	µg/L	20.0	20.5	19.9	103	99.5	78-128	2.9	20.0
m,p-Xylene	µg/L	40.0	43.9	42.4	110	106	77-133	3.4	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	15.1	14.0	75.5	70.0	70-130	7.5	20.0
4-Bromofluorobenzene (S)					102	104	80-124		
Dibromofluoromethane (S)					111	113	75-129		
1,2-Dichloroethane - d4 (S)					102	98.6	63-136		
Toluene-d8 (S)					97.8	98.0	77-123		

* QC Fail

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina Country Convenience
Report No: 22-265-0031

QC Prep: V24697
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24700
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V24697 Matrix: AQU
Associated Lab Samples: 89220, 89225, 89231

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	10/04/22 23:21		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	10/04/22 23:21		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	10/04/22 23:21		
Ethanol	µg/L	<42.0	42.0	200	10/04/22 23:21		
Ethylbenzene	µg/L	<0.170	0.170	0.500	10/04/22 23:21		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	10/04/22 23:21		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	10/04/22 23:21		
Naphthalene	µg/L	<0.470	0.470	1.00	10/04/22 23:21		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	10/04/22 23:21		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	10/04/22 23:21		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	10/04/22 23:21		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	10/04/22 23:21		
Toluene	µg/L	<0.220	0.220	0.500	10/04/22 23:21		
o-Xylene	µg/L	<0.210	0.210	0.500	10/04/22 23:21		
m,p-Xylene	µg/L	<0.420	0.420	1.00	10/04/22 23:21		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	10/04/22 23:21		
4-Bromofluorobenzene (S)					10/04/22 23:21	99.4	80-124
Dibromofluoromethane (S)					10/04/22 23:21	97.6	75-129
1,2-Dichloroethane - d4 (S)					10/04/22 23:21	97.6	63-136
Toluene-d8 (S)					10/04/22 23:21	99.2	77-123

Laboratory Control Sample & LCSD LCS-V24697 LCSD-V24697

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	19.8	19.2	99.0	96.0	77-128	3.0	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	19.2	18.7	96.0	93.5	60-154	2.6	20.0

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24697
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24700
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V24697 LCSD-V24697

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	18.0	17.3	90.0	86.5	68-131	3.9	20.0
Ethanol	µg/L	500	356	397	71.2	79.4	70-130	10.8	20.0
Ethylbenzene	µg/L	20.0	18.6	18.3	93.0	91.5	80-127	1.6	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	40.5	39.7	101	99.2	70-130	1.9	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	19.7	19.0	98.5	95.0	68-135	3.6	20.0
Naphthalene	µg/L	20.0	18.8	18.1	94.0	90.5	64-136	3.7	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	26.8	28.7	67.0	71.7	60-140	6.8	20.0
tert-Butyl formate (TBF)	µg/L	40.0	39.4	40.8	98.5	102	60-140	3.4	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	16.3	18.3	81.5	91.5	60-140	11.5	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	39.0	38.9	97.5	97.2	60-140	0.2	20.0
Toluene	µg/L	20.0	19.5	18.6	97.5	93.0	76-131	4.7	20.0
o-Xylene	µg/L	20.0	18.8	18.2	94.0	91.0	78-128	3.2	20.0
m,p-Xylene	µg/L	40.0	39.4	38.0	98.5	95.0	77-133	3.6	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	21.1	23.1	106	116	70-130	9.0	20.0
4-Bromofluorobenzene (S)					99.6	99.0	80-124		
Dibromofluoromethane (S)					103	104	75-129		
1,2-Dichloroethane - d4 (S)					100	99.2	63-136		
Toluene-d8 (S)					99.2	99.6	77-123		

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24778
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V24780
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V24778 Matrix: AQU
Associated Lab Samples: 89220, 89222

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	10/05/22 14:47		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	10/05/22 14:47		
4-Bromofluorobenzene (S)					10/05/22 14:47	98.4	80-124
Dibromofluoromethane (S)					10/05/22 14:47	96.4	75-129
1,2-Dichloroethane - d4 (S)					10/05/22 14:47	98.2	63-136
Toluene-d8 (S)					10/05/22 14:47	98.6	77-123

Laboratory Control Sample & LCSD LCS-V24778 LCSD-V24778

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	19.2	19.4	96.0	97.0	77-128	1.0	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	22.8	17.2	114	86.0	60-140	28.0*	20.0
4-Bromofluorobenzene (S)					99.2	99.8	80-124		
Dibromofluoromethane (S)					101	102	75-129		
1,2-Dichloroethane - d4 (S)					98.8	98.2	63-136		
Toluene-d8 (S)					98.0	98.6	77-123		

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina Country Convenience**
Report No: **22-265-0031**

QC Prep: V24367
QC Prep Batch Method: EPA-504.1(PREP)
QC Analytical Batch(es): V24415
Analysis Method: EPA-504.1
Analysis Description: EDB and DBCP by Microextraction GC/ECD

Lab Reagent Blank LRB-V24367 Matrix: AQU
Associated Lab Samples: 89233, 89235, 89236

Parameter	Units	Blank Result	MDL	MQL	Analyzed
1,2-Dibromoethane	µg/L	<0.00330	0.00330	0.0200	09/27/22 15:20

Laboratory Control Sample & LCSD LCS-V24367 LCSD-V24367

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dibromoethane	µg/L	0.250	0.252	0.240	101	96.0	70-130	4.8	20.0

Duplicate V 89235-DUP-V24367

Parameter	Units	Result	DUP Result	RPD	Max RPD	Analyzed
1,2-Dibromoethane	µg/L	< 0.0210	<0.0210	0.0	20.0	09/27/22 17:21

Matrix Spike V 89233-MS-V24367

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	%Rec Limits	Max RPD
1,2-Dibromoethane	µg/L	< 0.00345	0.261		0.215		82.3	70-130	

Waypoint ANALYTICAL
449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Shipment Receipt Form

Customer Number: **00087**
Customer Name: **Geological Resources, Inc.**
Report Number: **22-265-0031**

Shipping Method

○ Fed Ex	○ US Postal	◉ Lab	○ Other :	
○ UPS	○ Client	○ Courier	Thermometer ID:	IRT-15 0.2C

Shipping container/cooler uncompromised?	◉ Yes	○ No	
Number of coolers/boxes received	1		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	◉ Not Present
Custody seals intact on sample bottles?	○ Yes	○ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	○ No	
COC agrees with sample label(s)?	◉ Yes	○ No	
COC properly completed	◉ Yes	○ No	
Samples in proper containers?	◉ Yes	○ No	
Sample containers intact?	◉ Yes	○ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	○ No	
All samples received within holding time?	◉ Yes	○ No	
Cooler temperature in compliance?	◉ Yes	○ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	○ No	
Water - Sample containers properly preserved	◉ Yes	○ No	○ N/A
Water - VOA vials free of headspace	◉ Yes	○ No	○ N/A
Trip Blanks received with VOAs	◉ Yes	○ No	○ N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	◉ No

Comments: All containers for sample 02275 MW-35 were received empty.

Signature: Danyale Love Date & Time: 09/22/2022 17:32:02

CHAIN OF CUSTODY RECORD

Waypoint ANALYTICAL
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF ~~2~~ 1 QUOTE # TO ENSURE PROPER BILLING:

Project Name: Cardina Cantry Convenience (3289)
Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: GRI
Address:

Client Company Name: Geological Resources INC
Report To/Contact Name: Scott Ball
Reporting Address: 3502 Hayes Rd
Monroe NC 28110
Phone: 704-965-4010 Fax (Yes)(No):
Email Address: wsb@geological Resources INC.com
EDD Type: PDF___ Excel___ Other
Site Location Name: Carolina Country convenience
Site Location Physical Address: 408 Highway 601
N; Jefferson SC

Purchase Order No./Billing Reference

Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ~~❑~~ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received IN ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR T15 Observed 0.2 °C /Corr. 0.2 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NC___ SC X
Other___ N/A___
Water Chlorinated: YES___ NO X
Samples Iced Upon Collection: YES X NO___

	CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED: SVOCs (625 w/ Acenaphthene, 1,2-DCA) 8260 EDB 8011 Lead	
02261	~~02275~~ MW-2	9/21/22	1323	water	VOA, ~~H2O3~~ P	7		HCl, H2O3	X X X	
02261	~~02275~~ MW-3	9/21/22	1414	water	VOA, ~~H2O3~~	7		HCl, H2O3	X X X	
02261	~~02275~~ MW 4	9/21/22	1430	water	VOA, ~~H2O3~~	7		HCl, H2O3	X X X	
02261	~~02275~~ MW 6	9/21/22	1350	water	VOA	3		HCl	X	LOW VOLUME
02261	~~02275~~ MW-8	9/21/22	1358	water	VOA	3		HCl	X	LOW VOLUME
02261	~~02275~~ MW-12	9/21/22	1344	water	VOA	3		HCl	X	LOW VOLUME
02261	~~02275~~ MW-13	9/21/22	1421	water	VOA, P	~~4~~ 3		HCl, H2O3	X X	LOW VOLUME
02261	~~02275~~ MW-~~14~~ 15	9/21/22	1450	water	VOA, P	4		HCl, H2O3	X X	LOW VOLUME
02261	~~02275~~ MW-19	9/21/22	1441	water	VOA, P	4		HCl, H2O3	X X	LOW VOLUME

22-265-0031
00087
09-22-2022
17:31:04
Geological Resources, Inc.
Carolina Country Convenience

PRESS DOWN FIRMLY - 2 COPIES

Sampler's Signature Jase Bowers Sampled By (Print Name) Jase Bowers Affiliation GRI

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature) Jase Bowers	Received By: (Signature)	9.22.22	13:16
Relinquished By: (Signature)	Received By: (Signature)	9.22.22	16:22
Relinquished By: (Signature)	Received For Waypoint Analytical By:	9/22/22	1622

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

❑ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Waypoint Analytical Field Service ❑ Other

COC Group No.

Additional Comments: SCDHEC UST MBMT PROGRAM UST PERMIT# 02275

LAB USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	BRWNFLD	LANDFILL	OTHER:
❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ■ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC
❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

CHAIN OF CUSTODY RECORD

PAGE 2 OF ~~2~~ 5 QUOTE # TO ENSURE PROPER BILLING:

Waypoint ANALYTICAL
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

Client Company Name: Geological Resources Inc
Report To/Contact Name: Scott Dell
Reporting Address: 3502 Hayes Rd monroe NC, 28110
Phone: 704-845-400 Fax (Yes)(No):
Email Address: wstaggeologicalresourcesinc.com
EDD Type: PDF___ Excel___ Other
Site Location Name: Cardina Country Convenience
Site Location Physical Address: 1908 Hwy 601 N; Pageland, SC

Project Name: Carolina Country Convenience (3359)
Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: GRI
Address:

Purchase Order No./Billing Reference

Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ☒ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	~~/~~		
Received IN ICE?	/		
PROPER PRESERVATIVES indicated?	/		
Received WITHIN HOLDING TIMES?	/		
CUSTODY SEALS INTACT?			/
VOLATILES rec'd W/OUT HEADSPACE?	/		
PROPER CONTAINERS used?	/		

TEMP: Therm ID: IR T5 Observed 0.2 °C /Corr. 0.2 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NC___ SC X
Other___ N/A___
Water Chlorinated: YES___ NO X
Samples Iced Upon Collection: YES X NO___

	CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED: BTEX, MTBE, Naphthalene, 1,2 DCA, TOTAL EDB	ANALYSIS REQUESTED: EDB	ANALYSIS REQUESTED: 8011	ANALYSIS REQUESTED: lead	REMARKS	ID NO.
02261	~~02275~~ MW-26	9/21/22	1607	water	vial	3		HCl	X				LOW VOLUME	
02261	~~02275~~ MW-32	9/21/22	1238	water	vial, P	7		HCl, HNO3	X	X	X			
02261	~~02275~~ MW-34	9/21/22	1216	water	vial, P	7		HCl, HNO3	X	X	X			
02261	~~02275~~ MW-35	9/21/22	~~1245~~	water	vial, P	7		HCl, HNO3	X	X	X			
02261	~~02275~~ MW-291	9/21/22	1245	water	vial, P	7		HCl, HNO3	X	X	X			
02261	~~02275~~ MW-291	9/21/22	1518	water	vial, P	7		HCl, HNO3	X	X	X			
02261	~~02275~~ MW-301	9/21/22	1557	water	vial, P	7		HCl, HNO3	X	X	X			
02261	~~02275~~ MW-311	9/21/22	1617	water	vial, P	7		HCl, HNO3	X	X	X			
02261	~~02275~~ MW-TW-4	9/21/22	0913	water	vial, P	7		HCl, HNO3	X	X	X			

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Sampler's Signature: Jake Bowen
Sampled By (Print Name): Jake Bowen
Affiliation: GRI

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	9.22.22	13:16
Relinquished By: (Signature)	Received By: (Signature)	9.22.22	16:22
Relinquished By: (Signature)	Received For Waypoint Analytical By:	9/22/22	1622

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

❑ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Waypoint Analytical Field Service ❑ Other

COC Group No.

Additional Comments: SCDHEC UST MGMT PROGRAM UST PERMIT # ~~02275~~ 02261

Geological Resources, Inc.
Carolina Country Convenience
22-265-0031
00087
09-22-2022
17:31:04

LAB USE ONLY

Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	BRWNFLD	LANDFILL	OTHER:
❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ☒ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC
❑	❑	❑	❑	❑	❑	❑	❑	❑

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

CHAIN OF CUSTODY RECORD

Waypoint ANALYTICAL
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 3 OF ~~X~~ 5 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: Geological Resources Inc
Report To/Contact Name: Scott Ball
Reporting Address: 3502 Hayes Rd Monroe NC, 28110
Phone: 704-515-4016 Fax (Yes)(No):
Email Address: ws1@geologicalresourcesinc.com
EDD Type: PDF___ Excel___ Other
Site Location Name: Carolina Country Convenience
Site Location Physical Address: 1908 Highway 601 N, Pageland, SC

Project Name: Carolina Country Convenience (3289)
Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: GRI
Address:

Purchase Order No./Billing Reference
Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ☒ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received IN ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR715 Observed 0.2 °C /Corr. 0.2 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NC___ SC X
Other___ N/A___
Water Chlorinated: YES___ NO X
Samples Iced Upon Collection: YES X NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED BTEX MTBE Naphthalene 1,2-DCA EDB 8260	601 EDB	Lead				REMARKS	ID NO.
02261 ~~02275 TW-8~~	9/21/22	1039	water	vol, p	7		HCl, HNO3	X	X	X					
02261 ~~02275~~ TW-9	9/21/22	1151	water	vol, p	7		HCl, HNO3	X	X	X					
02261 ~~02275~~ MW-FD1	9/21/22	0645	water	vol, XP	~~7~~ 2		HCl, ~~HNO3~~ HNO3	X	X	X				~~Low Volume~~ WSB	
02261 ~~02275~~ MW-TB	9/21/22	0630	water	vol	2		HCl, HNO3	X						~~Low Volume~~ WSB	
02261 ~~02275~~ TW-2	9/22/22	0922	water	vol	~~7~~ 7		HCl, HNO3	X	X	X					
02261 ~~02275~~ TW-5	9/22/22	0943	water	vol	~~X~~ 7		HCl, HNO3	X	X	X					
02261 ~~02275~~ TW-6	9/22/22	0855	water	vol	~~X~~ 7		HCl, HNO3	X	X	X					
02261 ~~02275~~ TW-7	9/22/22	0835	water	vol	~~X~~ 7		HCl, HNO3	X	X	X					
02261 ~~02275~~ TW-10	9/22/22	0830	water	vol	~~X~~ 7		HCl, HNO3	X	X	X					

PRESS DOWN FIRMLY - 2 COPIES

Sampler's Signature Jose Bermeo Sampled By (Print Name) Jose Bermeo Affiliation GRI

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	9.22.22	1316
Relinquished By: (Signature)	Received By: (Signature)	9.22.22	1622
Relinquished By: (Signature)	Received For Waypoint Analytical By:	9/22/22	1622

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
❑ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Waypoint Analytical Field Service ❑ Other
COC Group No.

Additional Comments: SCDHEC UST GMT PROGRAM UST PERMIT # ~~0275~~ 02261

LAB USE ONLY
Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	BRWNFLD	LANDFILL	OTHER:
❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ☒ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC
❑	❑	❑	❑	❑	❑	❑	❑	❑

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

22-265-0031
00087
09-22-2022
17:31:04
Geological Resources, Inc.
Carolina Country Convenience

CHAIN OF CUSTODY RECORD

Waypoint ANALYTICAL
449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 4 OF 45 QUOTE # TO ENSURE PROPER BILLING:

Project Name: ~~Carolina Convenience~~ Country convenience (3289)
Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: GRI
Address:

Client Company Name: Geological Resources Inc
Report To/Contact Name: Scott Ball
Reporting Address: 3502 Hayes Rd Monroe NC 28110
Phone: 704-845-4010 Fax (Yes)(No):
Email Address: ssb@geologicalresourcesinc.com
EDD Type: PDF___ Excel___ Other
Site Location Name: Carolina Country Convenience
Site Location Physical Address: 1908 Hwy 601 N, Wagland SC

Purchase Order No./Billing Reference
Requested Due Date ❑ 1 Day ❑ 2 Days ❑ 3 Days ❑ 4 Days ☒ 5 Days
"Working Days" ❑ 6-9 Days ❑ Standard 10 days ❑ Rush Work Must Be Pre Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received IN ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR T15 Observed 0.2 °C /Corr 0.2 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NC___ SC X
Other___ N/A___
Water Chlorinated: YES___ NO X
Samples Iced Upon Collection: YES X NO___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED	REMARKS
02261 ~~0225~~ MW-FB-2	9/22/22	0958	water	VOA, P	~~10~~ 7		HCl, HNO3	X X X	
02261 ~~0225~~ SW-1	9/20/22	1722	water	VOA	6		HCl	X X	
02261 ~~0225~~ FW-3	9/20/22	1658	water	VOA, P	10		HCl, HNO3	X X X X	
~~02275~~ FW-2			water	VOA			HCl	X X X X	WSB
~~02275~~ FW-~~3~~			water	VOA			HCl	X X X X	WSB
~~02275~~ SW-1			water	VOA			HCl	X X X X	WSB
02261 ~~0225~~ PW-FB	09/20/22	0730	water	VOA	2		HCl	X X	
02261 ~~0225~~ PW-FB	9/20/22	0745	water	VOA	9		HCl	X X X X	
02261 ~~02275~~ DUP 1	9/20/22	1659	water	VOA, P	10		HCl, HNO3	X X X X	

PRESS DOWN FIRMLY - 2 COPIES

Sampler's Signature Jase Bn Sampled By (Print Name) Jase Bowes Affiliation GRI

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	9.22.22	13:16
Relinquished By: (Signature)	Received By: (Signature)	9.22.22	16:22
Relinquished By: (Signature)	Received For Waypoint Analytical By:	9/22/22	1622

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.
❑ Fed Ex ❑ UPS ❑ Hand-delivered ❑ Waypoint Analytical Field Service ❑ Other
COC Group No.

Additional Comments: SCDHEC UST MGMT PROGRAM UST PERMIT # 02275 02261

LA	
Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	BRWNFLD	LANDFILL	OTHER:
❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ☒ SC	❑ NC ☒ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC	❑ NC ❑ SC
❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____	❑ _____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

Geological Resources, Inc.
Carolina Country Convenience
00087 22-265-0031
09-22-2022 17:31:04

Waypoint ANALYTICAL

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

CHAIN OF CUSTODY RECORD

PAGE 5 OF 5 QUOTE # TO ENSURE PROPER BILLING:

Client Company Name: Geological Resources Inc
Report To/Contact Name: Scott Ball
Reporting Address: 3502 Hayes Rd Monroe NC, 28110
Phone: 704-845-4016 Fax (Yes)(No):
Email Address: wsb@geologicalresourcesinc.com
EDD Type: PDF ___ Excel ___ Other ___
Site Location Name: Carolina Country Convenience
Site Location Physical Address: 1908 Hwy 601 N. Pageland, SC

Project Name: Carolina Country Convenience (3289)
Short Hold Analysis (Yes) (No) UST Project: (Yes) (No)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: GRI
Address: ←

Purchase Order No./Billing Reference
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☒ 5 Days
"Working Days" ☐ 6-9 Days ☐ Standard 10 days ☐ Rush Work Must Be Pre Approved
Samples received after 15:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY WAYPOINT ANALYTICAL, LLC TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	✓		
Received IN ICE?	✓		
PROPER PRESERVATIVES indicated?	✓		
Received WITHIN HOLDING TIMES?	✓		
CUSTODY SEALS INTACT?			✓
VOLATILES rec'd W/OUT HEADSPACE?	✓		
PROPER CONTAINERS used?	✓		

TEMP: Therm ID: IR T15 Observed 0.2 °C /Corr. 0.2 °C

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL

Certification: NC ___ SC X
Other ___ N/A ___
Water Chlorinated: YES ___ NO X
Samples Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER, OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED: BTEX, MTBE, Naphthalene, 1,2-DCA, 8 Oxy, 8260	EDB Soil	Lead				REMARKS	ID NO.
02261 ~~02275~~ Dup-C	9/21/22	1246	water	VOA, P	7		HCl, HNO3	X	X	X					
02261 ~~02275~~ Dup-B	9/21/22	0914	water	VOA, P	7		HCl, HNO3	X	X	X					

Geological Resources, Inc.
Carolina Country Convenience
22-265-0031
00087
09-22-2022
17:31:04

PRESS DOWN FIRMLY - 2 COPIES

Sampler's Signature [signature] Sampled By (Print Name) Jase Bowers Affiliation GRI

Upon relinquishing, this Chain of Custody is your authorization for Waypoint Analytical to proceed with the analyses as requested above. Any changes must be submitted in writing to the Waypoint Analytical Project Manager. There will be charges for any changes after analyses have been initialized.

Relinquished By: (Signature)	Received By: (Signature)	Date	Military/Hours
[signature]	[signature]	9.22.22	13:13
Relinquished By: (Signature)	Received By: (Signature)	Date	
[signature]		9.22.22	16:22
Relinquished By: (Signature)	Received For Waypoint Analytical By:	Date	
	[signature]	9/22/22	1622

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☐ Waypoint Analytical Field Service ☐ Other

COC Group No.

Additional Comments: SCDHEC UST mgmt Program UST Permit # ~~02275~~ 02261

LAB USE ONLY

Site Arrival Time:
Site Departure Time:
Field Tech Fee:
Mileage:

SEE REVERSE FOR TERMS & CONDITIONS

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	BRWNFLD	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☒ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

ORIGINAL

APPENDIX B

Field Data Information Sheets

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 9/20/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country Convenience
County: Chesterfield	Project Manager: Niki Hill	Field Personnel: Jase Bowers, Jacob Fletcher

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	24.56	25-35	-	24.30	-	y	~	cracked	0/2	y
* MW-2	41.75	37-42	-	36.84	-	y	~	Cracked	1/3	~
MW-3	42.10	37-42	-	33.33	-	y	~	buried	0/3	~
MW-4	41.93	37-42	-	34.24	-	y	~	buried	0/3	y
MW-5	42.05	37-42	-	40.85	-	y	~	buried	0/3	y
MW-6	28.79	30-35	-	27.57	-	y	~	buried	0/2	~
MW-7		25-30								
MW-8	30.09	25-30	-	28.73	-	y	~	Stick up	NA	~
MW-9	32.98	25-30	-	-	-	y	y	Stickup	NA	~
MW-10		30-35								
* MW-11		30-35								
* MW-12	35.41	30-35	-	33.93	-	y	~	Cracked	1/3	~
* MW-13	35.24	30-35	-	32.76	-	y	~	Cracked	0/3	~

Notes: MW-9 = dry

Signature: [signature]

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 9/20/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina country convienience
County: Chesterfield	Project Manager: Niki Hill	Field Personnel: Jase Bowers, Jacob Fletcher

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	35.03	30-35	–	34.90	–	y	~	y	1/3	~
MW-15		15-25								
MW-16		15-25								
MW-17		15-25								
MW-18		14-24								
MW-19	34.72	15-30	–	29.38	–	y	~	buried	0/3	y
MW-20	30.08	15-30	–	29.63	–	y	~	cracked	0/2	~
MW-21	29.97	15-30	–	29.62	–	y	~	Cracked	0/2	~
MW-22	29.14	15-30	–	29.06	–	y	~	Cracked	0/2	~
MW-23		15-30								
MW-24	37.01	12-37	–	36.64	–	y	~	y	1/2	y
MW-25	37.63	12-37	–	33.31	–	y	~	buried	0/2	~
MW-26	36.82	12-37	–	35.05	–	y	~	y	1/2	~

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 9/20/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina country convienience
County: Chesterfield	Project Manager: Niki Hill	Field Personnel: Jase Bowers, Jacob Fletcher

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-27	37.70	12-37	–	–	–	y	~	buried	0/2	~
MW-28	29.99	15-30	–	29.66	–	y	~	Cracked	2/2	~
MW-29	29.92	15-30	–	–	–	y	~	buried	0/2	~
MW-30	30.09	15-30	–	29.29	–	y	~	Cracked	0/2	y
MW-31	29.66	15-30	–	29.33	–	y	~	cracked	1/2	~
MW-32	35.24	20-35	–	22.02	–	y	~	y	0/2	y
MW-33	43.67	20-40	–	43.29	–	y	~	Stickup	NA	~
MW-34	53.47	30-50	–	47.42	–	y	~	Stickup	NA	~
MW-35		30-50								
MW-281S	56.41	51-56	–	35.52	–		~	y	0/2	~
MW-291	56.21	51-56	–	33.21	–	y	~	buried	0/2	~
MW-301	56.46	51-56	–	34.76	–	y	~	cracked	1/2	~
MW-311	56.39	51-56	–	34.25	–	y	~	Cracked	0/2	~

Notes: MW-27 = dry MW-29 = dry

Signature:

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 9/~~20~~/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina country convienience
County: Chesterfield	Project Manager: Niki Hill	Field Personnel: Jase Bowers, Jacob Fletcher

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?
TW-1		51-56								
TW-2	58.86	51-56	–	28.76	–	~~y~~	~~y~~ ~	Stick-up	NA	~
TW-3		51-56	–		–	~	~	damaged	NA	~
* TW-4	60.39	56-61	–	35.66	–	y	~	Cracked	2/3	~
TW-5	57.56	56-61	–	31.93	–	y	~	Cracked	0/3	~
TW-6	67.11	63-68	–	41.82	–	y	~	buried	0/2	~
TW-7	~~67.11~~ 55.02	51-56	–	29.44	–	y	~	buried	0/2	~
* TW-8	69.65	63-68	–	45.51	–	y	~	stickup	NA	~
* TW-9	71.34	63-68	–	48.26	–	y	~	stickup	NA	~
TW-10		63-68								

Notes:

Signature: [signature]

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/12/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 24.56	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 14.30	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 10.26	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken; insufficient water for samples not sampled

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 41.85	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 36.84	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 5.01	1 casing volume (CV=LWC*C)(gals): .75	3 casing volumes 3*CV)(gals): 2.25	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	.75	1.5	2.25				
Time (military)	1324							
PH (s.u.)	7.89							
Specific Conductivity (µS/cm)	97.9							
Water Temperature (°C)	21.6							
Turbidity (NTU)	20.73							
Dissolved Oxygen (mg/L)	2.93							

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1323	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ first vol

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 32 to 42	Total Well Depth (TWD) (ft.): 42.10	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 33.33	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 8.77	1 casing volume (CV=LWC*C)(gals): 1.5	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	1.5	3	4.5				
Time (military)	1413							
PH (s.u.)	6.47							
Specific Conductivity (µS/cm)	52.8							
Water Temperature (°C)	24.7							
Turbidity (NTU)	22.37							
Dissolved Oxygen (mg/L)	2.67							

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1414	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ [redacted] first vol

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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.): 37 to 42	Total Well Depth (TWD) (ft.): 41.93	
Depth to Free Product (DFP) (ft.): –	Depth to Groundwater (DGW) (ft.): 34.24	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 7.69	1 casing volume (CV=LWC*C)(gals): 1.25	3 casing volumes 3*CV)(gals): 3.75	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	1.25	2.5	3.75				
Time (military)	1423	1429						
PH (s.u.)	7.76	7.98						
Specific Conductivity (µS/cm)	60.0	54.7						
Water Temperature (°C)	23.0	21.5						
Turbidity (NTU)	12.16	240.67						
Dissolved Oxygen (mg/L)	9.34	8.77						

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1430	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ 1.5 gal

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/7/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 32 to 42	Total Well Depth (TWD) (ft.): 42.05	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 40.85	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 1.2	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken, insufficient water for samples; not sampled

Signature: Jase B

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 28.09	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 27.57	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 1.22	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1350	Duplicate: Y or N	If yes, Duplicate Time:

Notes: limited water; parameters not taken; ~~insufficient vol. for samples, not sampled~~ 8260 only

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 30.09
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 28.73		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 1.36	1 casing volume (CV=LWC*C)(gals): .25	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1358	Duplicate: Y or N	If yes, Duplicate Time:

Notes: limited water; parameters not taken; ~~insufficient water for samples, not sampled~~ 8260 only

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 32.98	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): —	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 96

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 98

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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"	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.): 35.41
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 33.93		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 1.48	1 casing volume (CV=LWC*C)(gals): .25	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1314	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken; ~~insufficient water for samples, not sampled~~ ~~60ml VOA~~ 3260 only

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19H101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 35.24
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 32.76		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 2.48	1 casing volume (CV=LWC*C)(gals): .25	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1421	Duplicate: Y or N	If yes, Duplicate Time:

Notes: limited water; parameters not taken
8260 & Lead

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/12/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 35.03
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 34.90		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): .13	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: limited water; parameters not taken; insufficient water for samples; not sampled

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-15	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.): 15 to 25	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02225~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 96

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-16	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.): 15 to 25	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-17	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.): 15 to 25	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02225~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F):

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-18	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.): 14 to 24	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: NF

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro Dss	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-19	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.): 15 to 30	Total Well Depth (TWD) (ft.): 34.72	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.38	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 5.34	1 casing volume (CV=LWC*C)(gals): .75	3 casing volumes 3*CV)(gals): 2.25	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	.75	1.5	2.25				
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1411	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water, parameters not taken, dry @ first vol 8260 + Lead

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 15 to 30	Total Well Depth (TWD) (ft.): 30.08	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.63	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 0.45	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; ferrometers not taken; insufficient water for samples, not sampled

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/2/22	Site ID #: ~~00275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 98

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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.): 15 to 30	Total Well Depth (TWD) (ft.): 29.97
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.62		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 0.35	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken; insufficient water for samples; not sampled

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 96

Quality Assurance

Meter Name: YSI Pro Dss	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) 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.): 15 to 30	Total Well Depth (TWD) (ft.): 29.14	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.06	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 0.08	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken; insufficient water for samples, ~~Sam~~ not sampled

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-23	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.): 15 to 30	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 96

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-24	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.): 12 to 37	Total Well Depth (TWD) (ft.): 37.01
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 33.31		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-25	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.): 12 to 37	Total Well Depth (TWD) (ft.): 37.63	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 33.31	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 4.32	1 casing volume (CV=LWC*C)(gals): .50	3 casing volumes 3*CV)(gals): 1.5	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	.5	1	1.5				
Time (military)	1448							
PH (s.u.)	6.28							
Specific Conductivity (µS/cm)	97.2							
Water Temperature (°C)	24.4							
Turbidity (NTU)	178.27							
Dissolved Oxygen (mg/L)	4.48							

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1450	Duplicate: Y or N	If yes, Duplicate Time:

Notes: limited water; ~~parameters not taken~~ dry @ GROs + lead only

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-26	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.): 12 to 37	Total Well Depth (TWD) (ft.): 36.82	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 35.05	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 1.77	1 casing volume (CV=LWC*C)(gals): .25	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1607	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken ONY 8260

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-27	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.): 12 to 37	Total Well Depth (TWD) (ft.): 37.70	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: * MW-28	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.): 15 to 30	Total Well Depth (TWD) (ft.): 29.99	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.66	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 0.33	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken; insufficient water for samples, not sampled

Signature: Jase B

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-29	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.): 15 to 30	Total Well Depth (TWD) (ft.): 29.92	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-30	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.): 15 to 30	Total Well Depth (TWD) (ft.): 30.09	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.29	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 0.8	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; ferrometers not taken; insufficient water for samples; not sampled.

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-31	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.): 15 to 30	Total Well Depth (TWD) (ft.): 29.66	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.33	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): .33	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken; insufficient water for samples; not sampled

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-32	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.): 20 to 35	Total Well Depth (TWD) (ft.): 35.24	
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.): 13.22	1 casing volume (CV=LWC*C)(gals): 2	3 casing volumes 3*CV)(gals): 6	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	2	4	6				
Time (military)	1237							
PH (s.u.)	4.91							
Specific Conductivity (µS/cm)	65.4							
Water Temperature (°C)	22.8							
Turbidity (NTU)	28.16							
Dissolved Oxygen (mg/L)	4.53							

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1238	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ first vol

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: *MW-33	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.): 20 to 35 40	Total Well Depth (TWD) (ft.): 43.67	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 43.29	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): .38	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Limited water; parameters not taken; insufficient water for samples; not sampled

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-34	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 50	Total Well Depth (TWD) (ft.): 53.47	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 47.42	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 6.05	1 casing volume (CV=LWC*C)(gals): 1	3 casing volumes 3*CV)(gals): 3	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	1	2	3				
Time (military)	1210	1215						
PH (s.u.)	4.29	5.28						
Specific Conductivity (µS/cm)	108.1	104.1						
Water Temperature (°C)	21.0	19.8						
Turbidity (NTU)	22.87	289.28						
Dissolved Oxygen (mg/L)	2.86	2.64						

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1216	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ 1.25

Signature: Jase Bowers

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 96

Quality Assurance

Meter Name YSI Pro Dss	Serial #: 19F101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-281	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.): 56.11
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 35		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 20.89	1 casing volume (CV=LWC*C)(gals): 3.25	3 casing volumes 3*CV)(gals): 9.75	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	3.25	6.5	9.75				
Time (military)	1237	1245						
PH (s.u.)	7.78	6.16						
Specific Conductivity (µS/cm)	292.5	268.7						
Water Temperature (°C)	23.9	22.5						
Turbidity (NTU)	29.02	115.60						
Dissolved Oxygen (mg/L)	2.66	3.14						

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1245	Duplicate: (Y) or N	If yes, Duplicate Time: 1246

Notes: dry @ first vol

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: AMW-291	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.): 56.21	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 33.21	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 23	1 casing volume (CV=LWC*C)(gals): 3.75	3 casing volumes 3*CV)(gals): 11.25	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	3.75	7.5	11.25				
Time (military)	1502	1517						
PH (s.u.)	8.52	7.41						
Specific Conductivity (µS/cm)	312.9	289.4						
Water Temperature (°C)	25.1	23.5						
Turbidity (NTU)	10.75	21.38						
Dissolved Oxygen (mg/L)	2.78	3.10						

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1518	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ first vol

Signature: [signature]

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-301	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.): 56.46
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 34.76		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 21.7	1 casing volume (CV=LWC*C)(gals): 3.5	3 casing volumes 3*CV)(gals): 10.5	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	25	3.5	7	10.5				
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1557	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Oil Sheen; parameters not taken dry @ first vol

Signature: [signature]

DHEC 0423 (10/2015)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-311	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.): 56.39	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 34.25	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 22.14	1 casing volume (CV=LWC*C)(gals): 3.5	3 casing volumes 3*CV)(gals): 10.5	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	25	3.5	7	10.5				
Time (military)	1614							
PH (s.u.)	6.36							
Specific Conductivity (µS/cm)	161.6							
Water Temperature (°C)	26.6							
Turbidity (NTU)	29.18							
Dissolved Oxygen (mg/L)	2.66							

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1617	Duplicate: Y or N	If yes, Duplicate Time:

Notes: oil sheen after initial vol; peramters not taken

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/27/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F):

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: MW-35	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 50	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19F101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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: ___Bailer _X_Pump
___MW ___IW ___RW _X_Other Telescoping ___Private WSW ___Public WSW		Screened Interval (ft.): 51 to 56	Total Well Depth (TWD) (ft.):
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: not found

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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: ___Bailer X Pump
___MW ___IW ___RW X Other Telescoping ___Private WSW ___Public WSW	Screened Interval (ft.): 51 to 56		Total Well Depth (TWD) (ft.): 58.86
Depth to Free Product (DFP) (ft.): -	Depth to Groundwater (DGW) (ft.): 28.76		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 30.1	1 casing volume (CV=LWC*C)(gals): 4.75	3 casing volumes 3*CV)(gals): 14.25	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	4.75	9.5	14.25				
Time (military)	0907	0912	0918	0921				
PH (s.u.)	4.01	6.51	7.02	7.04				
Specific Conductivity (µS/cm)	57.4	41.1	37.2	42.4				
Water Temperature (°C)	22.1	19.9	19.3	19.7				
Turbidity (NTU)	16.43	13.81	22.55	40.29				
Dissolved Oxygen (mg/L)	6.37	6.51	6.67	6.52				

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 0922	Duplicate: Y or N	If yes, Duplicate Time:

Notes: ~~Not~~ S

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/22/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 70

Quality Assurance

Meter Name YSI Pro DSS	Serial # 19F101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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: ___Bailer X Pump
___MW ___IW ___RW X Other Telescoping ___Private WSW ___Public WSW	Screened Interval (ft.): 51 to 56	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*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: Jase Bowers	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenient	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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: ___Bailer _X_Pump
___MW ___IW ___RW _X_Other Telescoping ___Private WSW ___Public WSW	Screened Interval (ft.): 56 to 61		Total Well Depth (TWD) (ft.): 60.89
Depth to Free Product (DFP) (ft.): –	Depth to Groundwater (DGW) (ft.): 35.66		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 25.23	1 casing volume (CV=LWC*C)(gals): 4	3 casing volumes 3*CV)(gals): 12	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	25	4	8	12				
Time (military)	0850	0900	0907	0912				
PH (s.u.)	4.01	4.27	5.45	5.99				
Specific Conductivity (µS/cm)	268.5	233.1	314.7	305.6				
Water Temperature (°C)	19.4	19.9	19.3	19.1				
Turbidity (NTU)	12.48	16.81	29.52	50.02				
Dissolved Oxygen (mg/L)	2.40	2.27	2.25	3.51				

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 0913	Duplicate: (Y) or N	If yes, Duplicate Time: 0914

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/22/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenient	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 70

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: 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: ___Bailer _X_Pump
___MW ___IW ___RW _X_Other Telescoping ___Private WSW ___Public WSW	Screened Interval (ft.): 56 to 61	Total Well Depth (TWD) (ft.): 57.56	
Depth to Free Product (DFP) (ft.): –	Depth to Groundwater (DGW) (ft.): 31.93	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 25.63	1 casing volume (CV=LWC*C)(gals): 4	3 casing volumes 3*CV)(gals): 12	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	4	8	12				
Time (military)	0938	0842						
PH (s.u.)	5.56	6.45						
Specific Conductivity (µS/cm)	163.7	196.3						
Water Temperature (°C)	24.6	21.7						
Turbidity (NTU)	1322	149.21						
Dissolved Oxygen (mg/L)	7.07	5.60						

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 0943	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Dry @ 4.25

Signature: [signature]

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/22/22	Site ID #: ~~[illegible]~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 70

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		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: ___Bailer X Pump
___MW ___IW ___RW X Other Telescoping ___Private WSW ___Public WSW		Screened Interval (ft.): 63 to 68	Total Well Depth (TWD) (ft.): 67.11
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 41.82		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 25.29	1 casing volume (CV=LWC*C)(gals): 4	3 casing volumes 3*CV)(gals): 12	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	4	8	12				
Time (military)	0849	0854						
PH (s.u.)	4.20	4.48						
Specific Conductivity (µS/cm)	63.5	46.8						
Water Temperature (°C)	21.4	20.3						
Turbidity (NTU)	93.05	109.98						
Dissolved Oxygen (mg/L)	8.61	4.69						

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 0855	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ 4.5 gal

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/23/20	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country Convenience	Field Personnel: Jase Bowen, Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 70

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: TW-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: ___Bailer _X_Pump
___MW ___IW ___RW _X_Other Temporary ___Private WSW ___Public WSW	Screened Interval (ft.): 51 to 56		Total Well Depth (TWD) (ft.): 55.02
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 29.44		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 25.58	1 casing volume (CV=LWC*C)(gals): 4	3 casing volumes 3*CV)(gals): 12	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	4	8	12				
Time (military)	0830	0834						
PH (s.u.)	6.73	7.41						
Specific Conductivity (µS/cm)	145.5	197.3						
Water Temperature (°C)	20.5	20.4						
Turbidity (NTU)	5.94	31.81						
Dissolved Oxygen (mg/L)	3.40	3.65						

Sampling Data

Sampled By: Jase Bowen	Sampling Time: 0835	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ 5.5gal

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowen Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: TW-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: ___Bailer _X_Pump
___MW ___IW ___RW _X_Other Telescoping ___Private WSW ___Public WSW	Screened Interval (ft.): 63 to 68		Total Well Depth (TWD) (ft.): 69.65
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 45.51		Free Product Thickness (ft.):
Length of water column (LWC=TWD-DGW)(ft.): 24.14	1 casing volume (CV=LWC*C)(gals): 4	3 casing volumes 3*CV)(gals): 12	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	4	8	12				
Time (military)	1009	1018	1028	1038				
PH (s.u.)	4.51	5.51	6.49	6.52				
Specific Conductivity (µS/cm)	296.0	388.3	395.4	386.5				
Water Temperature (°C)	26.1	23.6	21.8	22.8				
Turbidity (NTU)	12.47	64.20	80.71	80.32				
Dissolved Oxygen (mg/L)	4.58	4.03	2.41	3.35				

Sampling Data

Sampled By: Jase Bowen	Sampling Time: 1039	Duplicate: Y or N	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/21/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 90

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: TW-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: ___Bailer X Pump
___MW ___IW ___RW X Other Telescoping ___Private WSW ___Public WSW	Screened Interval (ft.): 63 to 68	Total Well Depth (TWD) (ft.): 71.34	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 48.26	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 23.08	1 casing volume (CV=LWC*C)(gals): 3.75	3 casing volumes 3*CV)(gals): 11.25	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	3.75	7.5	11.25				
Time (military)	1140	1150						
PH (s.u.)	3.96	5.20						
Specific Conductivity (µS/cm)	57.3	56.8						
Water Temperature (°C)	22.2	20.2						
Turbidity (NTU)	21.05	636.43						
Dissolved Oxygen (mg/L)	6.80	5.49						

Sampling Data

Sampled By: Jase Bowers	Sampling Time: 1151	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dry @ 6 gal

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 9/22/22	Site ID #: ~~02275~~ 02261	Site Name: Carolina Country convenience	Field Personnel: Jase Bowers Jacob Fletcher
County: Chesterfield	Project Manager: Viki Hill	General Weather Conditions: Sunny	Ambient Air Temp (°F): 70

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
YSI 63 (pH, Specific Conductivity, Temperature)		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)		(Y) or N			
LaMotte (Turbidity)		0.0 NTU: (Y) or N	1.0 NTU: (Y) or N	10.0 NTU: (Y) or N	

Well Information

Well ID: TW-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: ___Bailer X Pump
___MW ___IW ___RW X Other Tubing ___Private WSW ___Public WSW	Screened Interval (ft.): 63 to 68	Total Well Depth (TWD) (ft.): 58.00	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.): 50.81	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.): 7.19	1 casing volume (CV=LWC*C)(gals): 1.25	3 casing volumes 3*CV)(gals): 3.75	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	.25	1.25	2.5	3.75				
Time (military)	0824	0829						
PH (s.u.)	7.01	6.89						
Specific Conductivity (µS/cm)	119.9	126.0						
Water Temperature (°C)	18.7	18.1						
Turbidity (NTU)	15.76	99.87						
Dissolved Oxygen (mg/L)	4.20	3.75						

Sampling Data

Sampled By: ~~Jase Bowers~~ Jacob Fletcher	Sampling Time: 0830	Duplicate: Y or N	If yes, Duplicate Time:

Notes: dsy @ 2.25

Signature:

APPENDIX C

Purge Water Disposal Manifest

ZERO WASTE RECYCLING LLC.

GRI# 3289

NON-HAZARDOUS WASTE MANIFEST

Please print or type

NON-HAZARDOUS WASTE MANIFEST		Manifest Document No.	2. Page 1 of 1
3. Generator's Name and Mailing Address GEOLOGICAL RESOURCES, INC. 3502 HAYES ROAD MONROE, NC FOR: CAROLINA COUNTRY CONV. 1908 HWY 601 N. PAGELAND, SC		1. Generator's US EPA ID No.	
		4. Generator's Phone (704) 845-4010	
5. Transporter 1 Company Name GEOLOGICAL RESOURCES, INC.	6. US EPA ID No.	B. Transporter 1 Phone (704) 845-4010	
7. Transporter 2 Company Name	8. US EPA ID No.	D. Transporter 2 Phone	
9. Designated Facility Name and Site Address ZERO WASTE & RECYCLING 301 DUPREE ST CHARLOTTE, NC 28208		10. US EPA ID No.	
		F. Facility's Phone (704) 804-8309	

11. Waste Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
A) PETROLEUM CONTACT WATER	1	DRUM	49	GALLONS
B)				
C)				
D)				

G. Additional Descriptions for Materials Listed Above

A) MONITOR WELL PURGE WATER C)

B) D)

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	Signature	Date: Month	Day	Year
W. Scott Ball for CAROLINA COUNTRY CONVENIENCE	W Scott Ball	9	20	22

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
JASE BOWERS	Jase B	9	20	22

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
XAVIER FARMER	Xavier Farmer	9	30	22

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt for waster materials covered by this manifest, except as noted above.

Printed/Typed Name	Signature	Date: Month	Day	Year
Antonio Evans		9	30	22

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		

Item #	Item	Yes	No	N/A
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
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		

Item #	Item	Yes	No	N/A
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.

NOV 28 2023

UST 67 DOCKETING

ATTN: MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HWY 601 N
PAGELAND SC 29728

Re: **Site Specific Work Plan Request for Groundwater Sampling**
Carolina Country Convenience, 1908 Hwy 601 N, PageLand, SC
UST Permit #02261
Release reported October 11, 2012
Monitoring Report received November 7, 2022
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the soil and/or groundwater above Risk-Based Screening Levels.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". **According to UST Division records, approximately $237,376.08 has been expended from the SUPERB Account to date.**

Your selected contractor has proposed groundwater sampling as the next appropriate scope of work. To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, submittal of the Site Specific Work Plan (SSWP) for groundwater sampling may proceed. All work must be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance.

Groundwater samples should be collected from all monitoring wells associated with this release along with all water supply wells and surface waters within a 1,000 foot radius of the site. Samples should be analyzed for BTEX, Naphthalene, MTBE, 1,2-DCA, the 8 oxygenates, and EDB. Only wells with screens that do not bracket the water table should be purged prior to sampling.

Your contractor must complete the SSWP and submit it 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.**

If the plan cannot be submitted by the required due date, an extension must be requested by submitting a written request, either via postal mail or email, to my attention prior to the due date. The Department will issue a Notice of Alleged Violation if the report/plan is not submitted by the required due date.

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2446, by fax at (803) 898-0673, or by email at NilesJD@dhec.sc.gov.

Sincerely,

Jake Niles, Hydrogeologist
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

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

UST 68 DOCKETING
RECEIVED
DEC 07 2023
UST DIVISION

Geological Resources, Inc.

December 5, 2023

Mr. Jacob Niles
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. 23-791
Site Specific Work Plan
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
UST Permit No. 02261
GRI Project No. 3289

Dear Mr. Niles:

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. The scope of work includes a comprehensive ground water sampling event.

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: Jake Niles (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): Abdul Almontaser
Property Owner Address: 701 S. Pearl Street, Pageland, South Carolina 29728
Current Use of Property: Commercial - Convenience Store

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)
- ☑ 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
- ☐ 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	3	Field Blank
49	Monitoring Wells	_____	Surface Water	4	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: 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
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: 60 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 monitoring wells MW-1 through MW-35, MW-28I through MW-31I and TW-1 through TW-10. Sample PW-3.
All wells will be purged and field readings collected prior to sample collection. Samples collected from the monitoring wells will be analyzed by Methods 8260 and 8011. Samples collect from PW-3 will be analyzed by Methods 524.2, 8260 and 504.1.
The appropriate number of field duplicates and field blanks will be collected.
All purge water will be containerized.

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 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

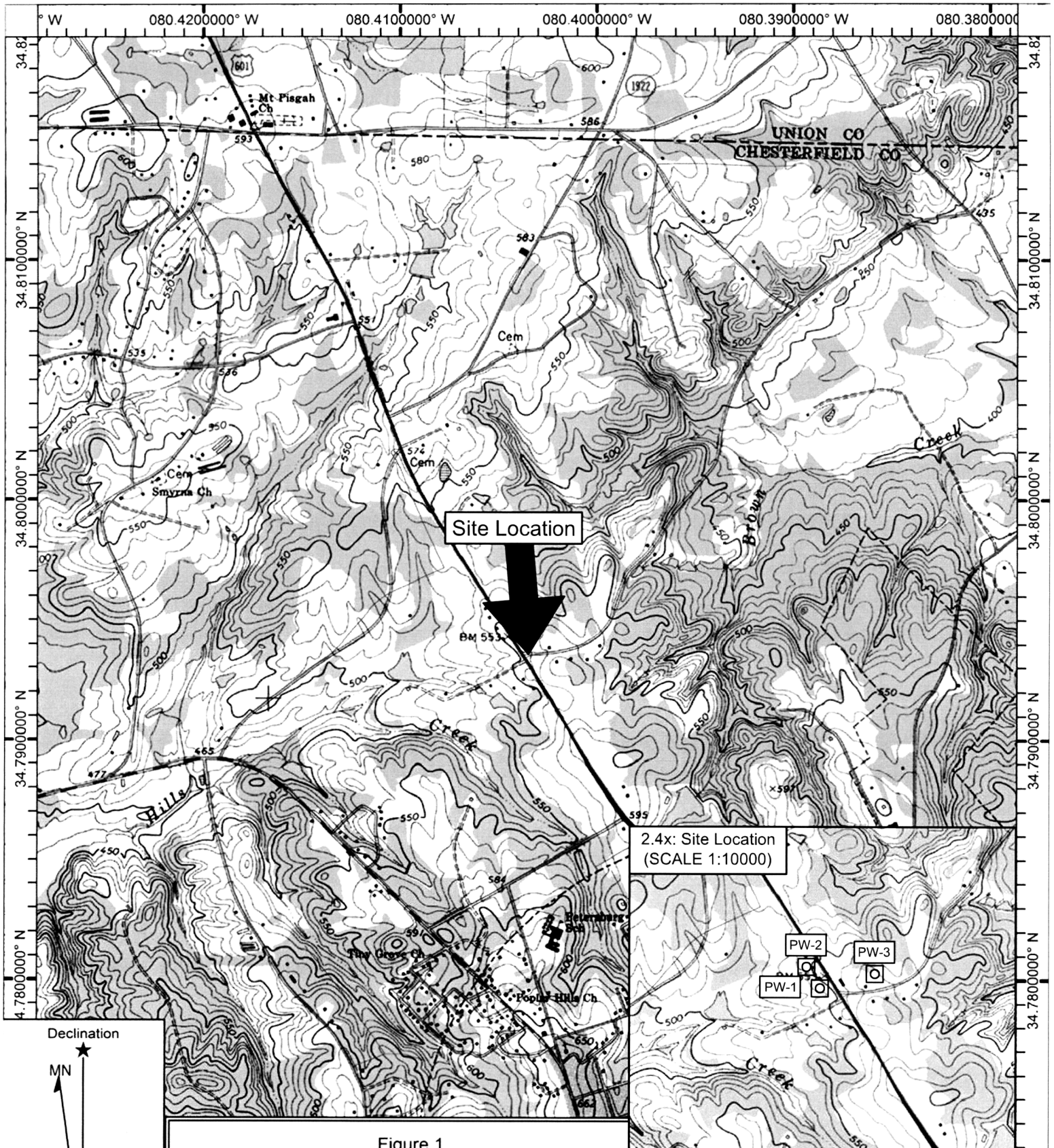


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

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.



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

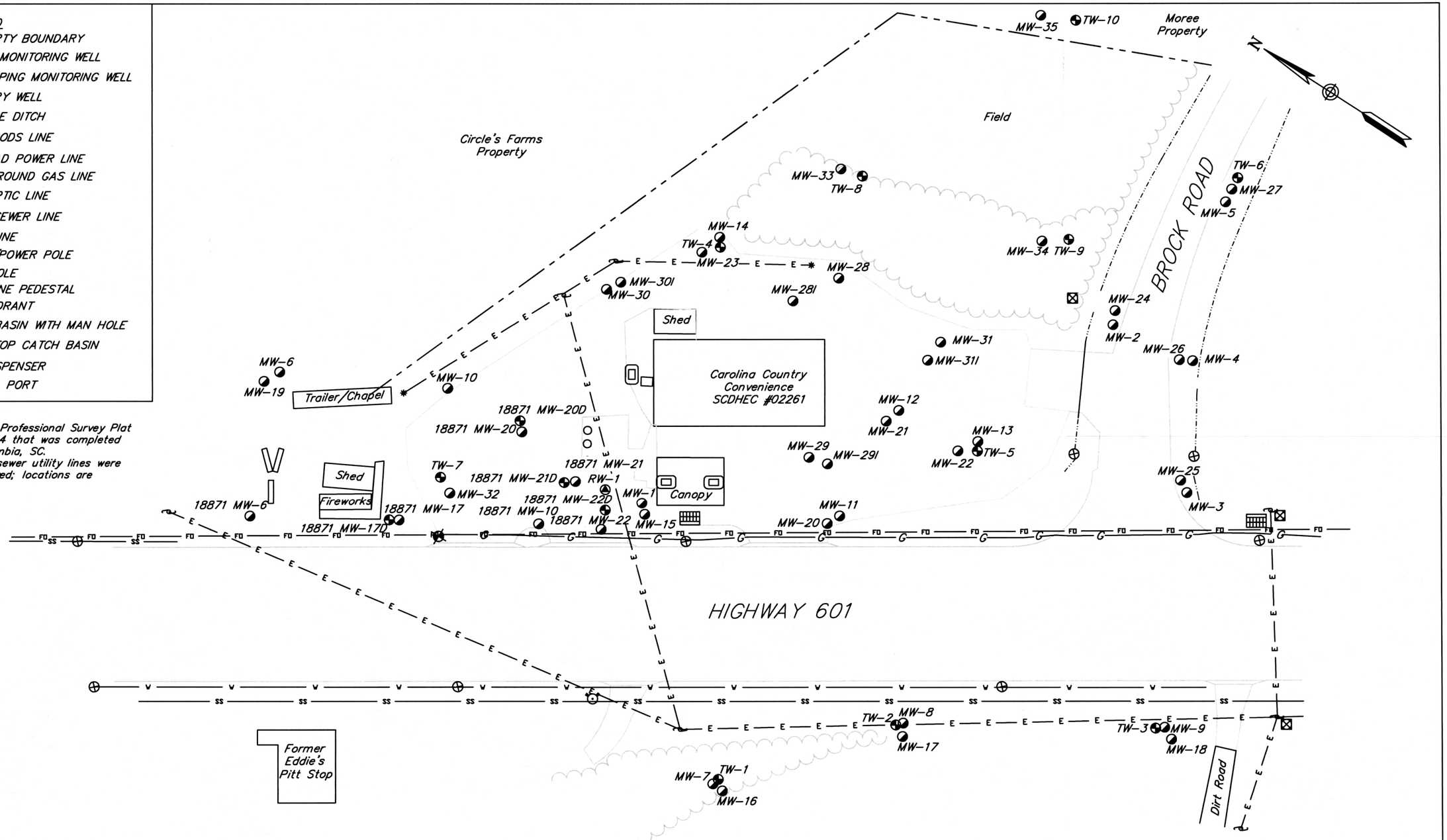
PREPARED BY:
GEOLOGICAL RESOURCES INC.
AUGUST 5, 2016

Geological Resources, Inc.

LEGEND

- PROPERTY BOUNDARY
- 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:	11/19/19	Drawn by:	DTH	Figure:	3

ASSESSMENT COMPONENT COST AGREEMENT

South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: Carolina Country Convenience

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

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.2 Site-specific Work Plan	1	each	$183.22		$183.22
2.2 Tax Map		each	$85.50		$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey					
1.1 Receptor Survey		each	$673.06		$0.00
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.2 Equipment		each	$1,245.93		$0.00
2.2 Personnel	4	each	$516.69		$2,066.76
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)					
1.2 Standard		per foot	$33.50		$0.00
2.2 Fractured Rock		per foot	$41.40		$0.00
G.					
H. Well Abandonment					
1.2 2" diameter or less		per foot	$3.79		$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. Well Installation (In accordance with R.61-71)					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well		per foot	$13.44		$0.00

J. Groundwater Sample Collection / Gauging Depth to Water/Product					
1.2 Groundwater Purge	49	per well	$73.29		$3,591.21
2.2 Air or Vapors		sample	$14.66		$0.00
3.2 Water Supply Sample	1	sample	$26.87		$26.87
4.1A HydraSleeve		sample	$34.20		$0.00
4.2B No-purge Groundwater Sample/Surface water		sample	$57.24		$0.00
5.2 Gauge Well only		sample	$8.55		$0.00
6.2 Sample Below Product		sample	$14.66		$0.00
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Bla	8	sample	$30.06		$240.48
9.2 Groundwater (low flow purge)		sample	$111.16		$0.00
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	56	per sample	$149.02		$8,345.12
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011	55	per sample	$55.21		$3,036.55
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)	4	per sample	$151.52		$606.08
15.2 7-OXYGENATES & ETHANOL (8260D)	4	per sample	$112.07		$448.28
16.2 EDB (504.1)	3	per sample	$97.11		$291.33
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00

K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00
34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test		each	$46.42		$0.00
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater	150	gallon	$1.19		$178.50
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DHEC 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00

W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event		per event	$1,787.40		$0.00
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00
4.1 96-hour Event		per event	$14,482.28		$0.00
5.1 Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour		per event	$898.84		$0.00
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance		each	$302.40		$0.00
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal		gallon	$0.53		$0.00
17.2 AFVR Mobilization/Demobilization		each	$777.60		$0.00
18.1 Mobilization for absorbents/skimmers		each	$516.69		$0.00
19.1 Well sock 2" ID well		each	$36.94		$0.00
20.1 Well sock 4" ID well		each	$49.03		$0.00
21.1 pad (per pad)		each	$49.95		$0.00
22.1 3" diameter x 10' length boom		each	$108.00		$0.00
23.1 5" diameter x 10' length boom		each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)		each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)		each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)		each	$760.32		$0.00
27.1 Disposal of Absorbents		pound	$4.10		$0.00
28.1 Disposal of product from skimmers		gallon	$0.50		$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.2 New GAC System Installation		each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install		each	$1,099.35		$0.00
3.2 Filter replacement/removal		each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment		each	$335.92		$0.00
5.2 GAC System housing		each	$305.38		$0.00
6.2 In-line particulate filter		each	$183.22		$0.00
7.2 Additional piping & fittings		foot	$1.84		$0.00
Y. Well Repair					
1.2 Additional Copies of the Report Delivered	1	each	$61.07		$61.07
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00

Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$19,075.47		$2,289.06
TOTAL					$21,364.53

dhec
Healthy People. Healthy Communities.

ATTN: MICHAEL WALLACE
CAROLINA COUNTRY LLC
1908 HWY 601 N
PAGELAND SC 29728

JAN 04 2024

UST 69 DOCKETING

Re: **Site Specific Work Plan Approval and Groundwater Sampling Notice to Proceed**
Carolina Country Convenience, 1908 Hwy 601 North, Pageland, SC
UST Permit #02261; CA #68029
Release #2 reported October 11, 2012
Site Specific Work Plan received December 7, 2023
Chesterfield County

Dear Mr. Wallace:

The Underground Storage Tank Management Division (UST 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 your contractor. The groundwater sampling event should begin immediately upon receipt of this letter. All work should be conducted in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at scdhec.gov/environment/land-waste/underground-storage-tanks/release-assessment-clean/quality-assurance.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third party claims, respectively, not to exceed one million dollars per occurrence". **According to UST Division records, approximately $237,376.08 has been expended from the SUPERB Account to date.** This scope of work, as recommended by your contractor, is anticipated to cost approximately $21,364.53.

The contractor must provide notification to the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes to the schedule, the UST Project Manager must be contacted within 24 hours of those changes.

In accordance with Section IV.A.4.c of the SUPERB Site Rehabilitation & Fund Access Regulation (R.61-98), the contractor shall be required to indemnify the property owner, underground storage tank owner/operator and the State of South Carolina from and against all claims, damages, losses and expenses arising out of or resulting from activity conducted by the contractor, its agents, employees or subcontractors.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Monitoring Report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within sixty (60) days of the date of this correspondence.** 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.

If the report cannot be submitted by the required due date, an extension may be requested by submitting a written request, either via postal mail or email, to my attention prior to the due date. The Department will issue a Notice of Alleged Violation if the report is not submitted by the required due date.

Please note that sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, these additional tasks, and the associated cost, must be pre-approved by the UST Division for the cost to be paid. The UST 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 UST 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. **Per Section III.3.b of the SUPERB Site Rehabilitation and Fund Access Regulations (R.61-98), reimbursement for site rehabilitation activities shall in no event exceed the actual costs incurred.**

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 a DHEC-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

The UST 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 the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-2446, by fax at (803) 898-0673, or by email at NilesJD@dhec.sc.gov.

Sincerely,

Jake Niles, Hydrogeologist
Corrective Action & Quality Assurance 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 68029

Facility: 02261 CAROLINA COUNTRY CONVENIENCE
NILESJD
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
A PLAN PREPARATION					
		1.2 SITE SPECIFIC WORK PLAN	1.0000	$183.220	183.22
D MOB/DEMOB					
		2.2 PERSONNEL	4.0000	$516.690	2,066.76
J SAMPLE COLLECTION					
		1.2 GROUND WATER PURGE	49.0000	$73.290	3,591.21
		3.2 WATER SUPPLY SAMPLE	1.0000	$26.870	26.87
		8.2 FIELD DUPL. (MWS & WSWS) & FB	8.0000	$30.060	240.48
K ANALYSES					
	DW DRINKING WATER	14.2 BTEXNM+1,2 DCA (524.2) WSW	4.0000	$151.520	606.08
		15.2 OXYGENATES & ETHANOL 8260D	4.0000	$112.070	448.28
		16.2 EDB (504.1)	3.0000	$97.110	291.33
	GW GROUNDWATER	1.2 BTEXNM+OXYGS+1,2 DCA+ETH 8260D	56.0000	$149.020	8,345.12
		7.2 EDB BY EPA 8011	55.0000	$55.210	3,036.55
Q DISPOSAL					
		1.2 WASTEWATER	150.0000	$1.190	178.50
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	$19,075.470	2,289.06
Y WELL REPAIR					
		1.2 ADDITIONAL COPIES OF REPORT	1.0000	$61.070	61.07
			Total Amount		21,364.53

Carolina Country Convenience - UST #02261

Ashleigh Thrash <ashleigh@grienv.com>

Fri 1/19/2024 9:06 AM

To:Niles, Jacob D. <NilesJD@dhec.sc.gov>

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Good Morning, Jake!

Thanks for taking the time to speak with me this morning. As we discussed, the DHEC SSWP Request dated November 28, 2023, requested a comprehensive GWS at the site w/ only wells with submerged screens to be purged. GRI erroneously submitted the SSWP for all purge sampling. GRI will be completing the sampling in accordance with the November 28, 2023, SSWP Request and only wells w/ submerged screens will be purged. An addendum will be submitted if line item costs are anticipated to be different then approved in CA 68029 received January 4, 2024.

Please let me know if you have any questions! Have a great weekend!

Ashleigh



Ashleigh Thrash, P.G.
Project Manager
Geological Resources, Inc.
3502 Hayes Road | Monroe, NC 28110 | website | facebook |
(704) 845-4010 - Office | (704) 698-1227 - Direct | (704) 845-4012 - FAX

UST 71 DOCKETING

Domenico Model

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 10/23/2023

Groundwater Flow Parameters

K	455	ft/yr
dh/dx	0.014	
θeff	0.3	dec. %
v_x	21.23333333	ft/yr

Transport Parameters

x_{max}	167	ft
$y_{max/2}$		ft
z	0	ft
Source Width	30	ft
Source Thickness	16.74	ft
Plume Length	317.3	ft
α_x	14.2580674	ft
α_y	1.42580674	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene	30	81
Toluene		133
Ethylbenzene		176
Xylenes		639
Naphthalene		1543
MtBE	5.88	11
EDB	0.268	28
1,2-DCA	1.77	17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.078	19.69
Toluene	1.129	18.81
Ethylbenzene	1.170	18.15
Xylenes	1.618	13.13
Naphthalene	2.492	8.52
MtBE	1.011	21.01
EDB	1.027	20.67
1,2-DCA	1.017	20.88

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

Benzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	30	30
16.7		11.223
33.4		3.905
50.1		1.359
66.8		0.479
83.5		0.171
100.2		0.062
116.9		0.022
133.6		0.008
150.3		0.003
167	0.001	0.001

Temporal Calibration Data

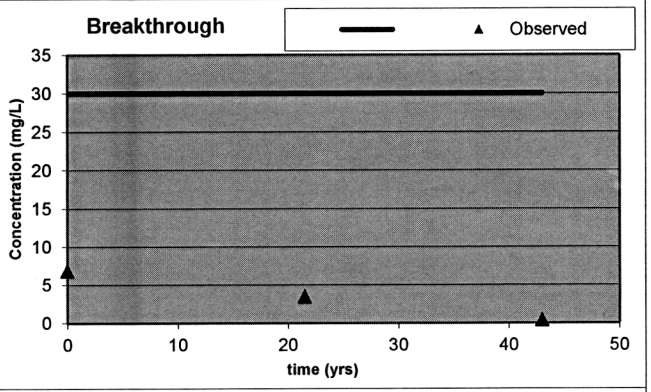
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0	6.9	30	6.9	30
4.3		30.000		30.000
8.6		30.000		30.000
12.9		30.000		30.000
17.2		30.000		30.000
21.5	3.5	30.000	3.5	30.000
25.8		30.000		30.000
30.1		30.000		30.000
34.4		30.000		30.000
38.7		30.000		30.000
43	0.4	30.000	0.4	30.000

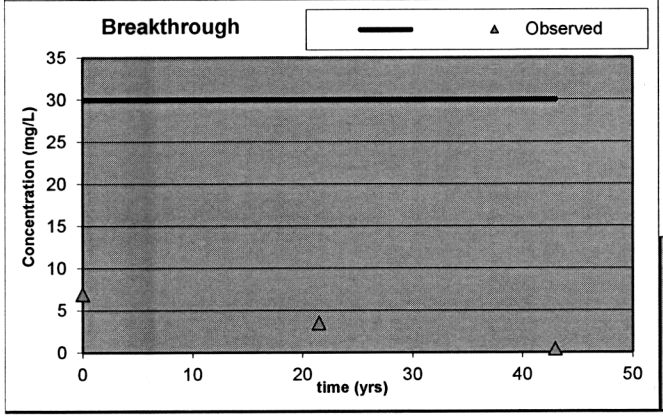
Site ID 02261

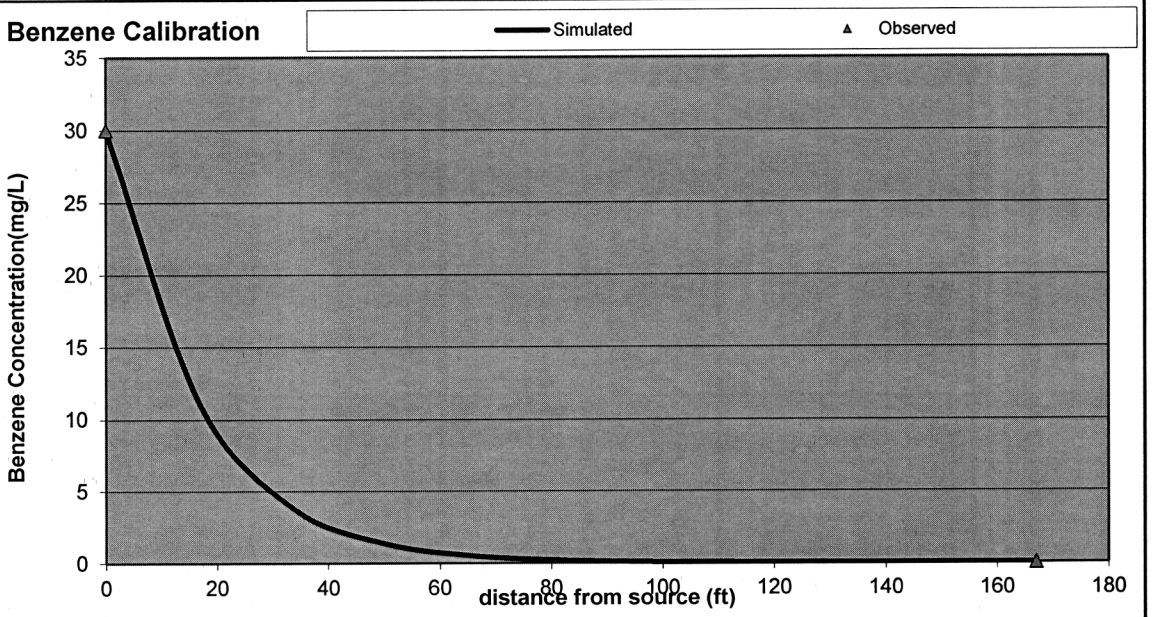
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.34	yrs	λ	2.03824	yr^{-1}
v_x	21.23333	ft/yr			
R	1.078				
v_R	19.691	ft/yr	C_{source}	30	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	16.7	33.4	50.1	66.8	83.5	100.2	116.9	133.6	150.3	167
0	11.2227668	3.905292	1.35920929	0.47922325	0.17099213	0.0616045	0.022367	0.008172	0.003001	0.001107
0	11.2227668	3.905292	1.35920929	0.47922325	0.17099213	0.0616045	0.022367	0.008172	0.003001	0.001107
0	11.2227668	3.905292	1.35920929	0.47922325	0.17099213	0.0616045	0.022367	0.008172	0.003001	0.001107
0	11.2227668	3.905292	1.35920929	0.47922325	0.17099213	0.0616045	0.022367	0.008172	0.003001	0.001107
0	11.2227668	3.905292	1.35920929	0.47922325	0.17099213	0.0616045	0.022367	0.008172	0.003001	0.001107

MtBE Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	5.88	5.88
16.7		2.582
33.4		1.055
50.1		0.431
66.8		0.178
83.5		0.075
100.2		0.032
116.9		0.013
133.6		0.006
150.3		0.002
167	0.001	0.001

Temporal Calibration Data

		0		0
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		5.88		5.88
4.3		5.880		5.880
8.6		5.880		5.880
12.9		5.880		5.880
17.2		5.880		5.880
21.5		5.880		5.880
25.8		5.880		5.880
30.1		5.880		5.880
34.4		5.880		5.880
38.7		5.880		5.880
43		5.880		5.880

Site ID 02261

Site Name Carolina Country Convenience

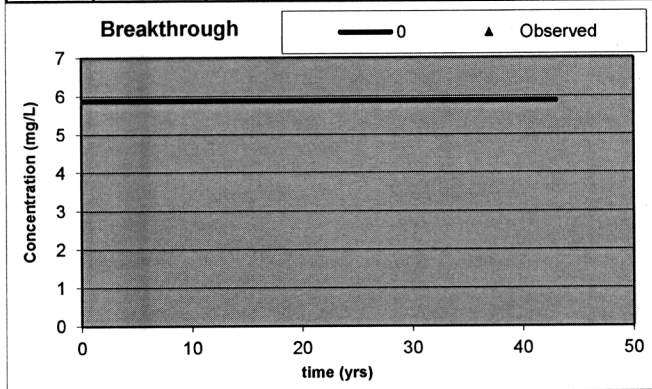
Model Calibration Parameters

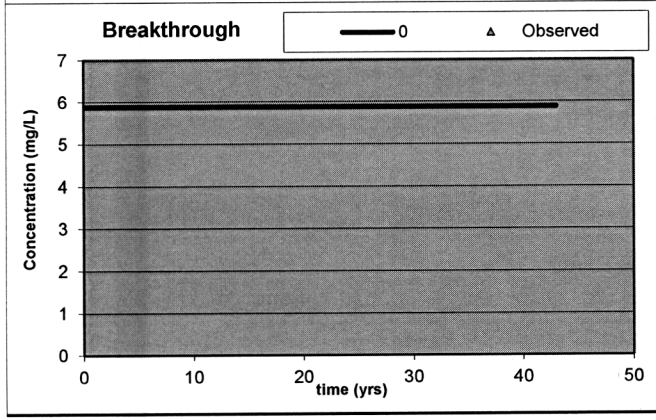
$t_{1/2}$	0.41	yrs
v_x	21.23333	ft/yr
R	1.000	
v_R	21.233	ft/yr
L_p	317.3	ft
α_x	14.25807	ft
α_y	1.425807	ft
α_z	1E-99	ft

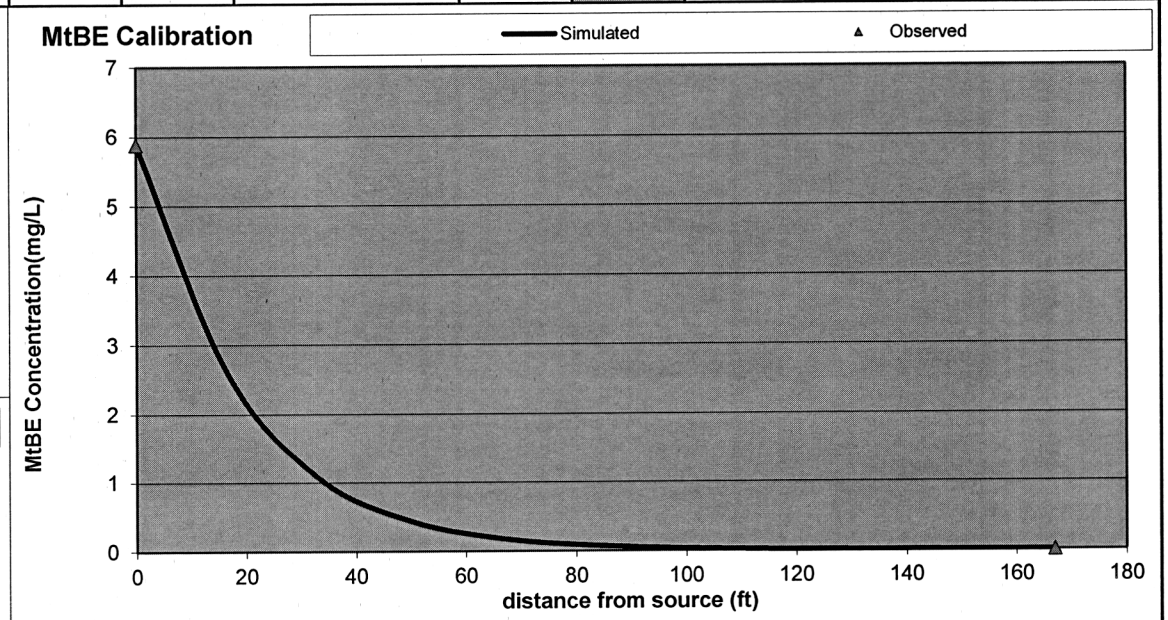
λ 1.69024 yr^{-1}

C_{source} 5.88 mg/L

t_{sim} 43 yrs







Source	16.7	33.4	50.1	66.8	83.5	100.2	116.9	133.6	150.3	167
0	2.58207923	1.0547188	0.43090652	0.17833975	0.07469645	0.03159	0.013463	0.005774	0.002489	0.001077
0	2.58207923	1.0547188	0.43090652	0.17833975	0.07469645	0.03159	0.013463	0.005774	0.002489	0.001077
0	2.58207923	1.0547188	0.43090652	0.17833975	0.07469645	0.03159	0.013463	0.005774	0.002489	0.001077
0	2.58207923	1.0547188	0.43090652	0.17833975	0.07469645	0.03159	0.013463	0.005774	0.002489	0.001077
0	2.58207923	1.0547188	0.43090652	0.17833975	0.07469645	0.03159	0.013463	0.005774	0.002489	0.001077

EDB Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.268	0.26800
16.7		0.10726
33.4		0.03993
50.1		0.01487
66.8		0.00561
83.5		0.00214
100.2		0.00083
116.9		0.00032
133.6		0.00013
150.3		0.00005
167	0.000019	0.00002

Temporal Calibration Data

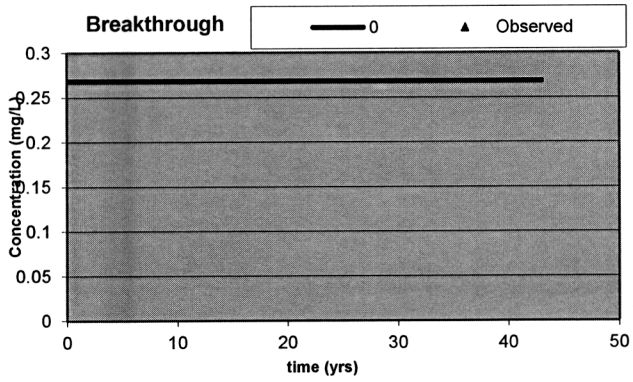
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.26800		0.26800
4.3		0.26800		0.26800
8.6		0.26800		0.26800
12.9		0.26800		0.26800
17.2		0.26800		0.26800
21.5		0.26800		0.26800
25.8		0.26800		0.26800
30.1		0.26800		0.26800
34.4		0.26800		0.26800
38.7		0.26800		0.26800
43		0.26800		0.26800

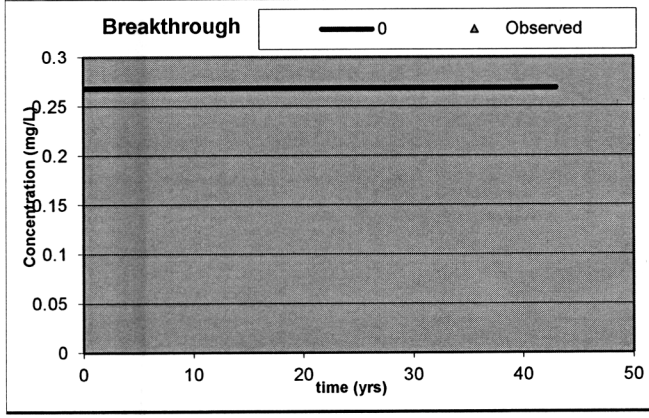
Site ID 02261

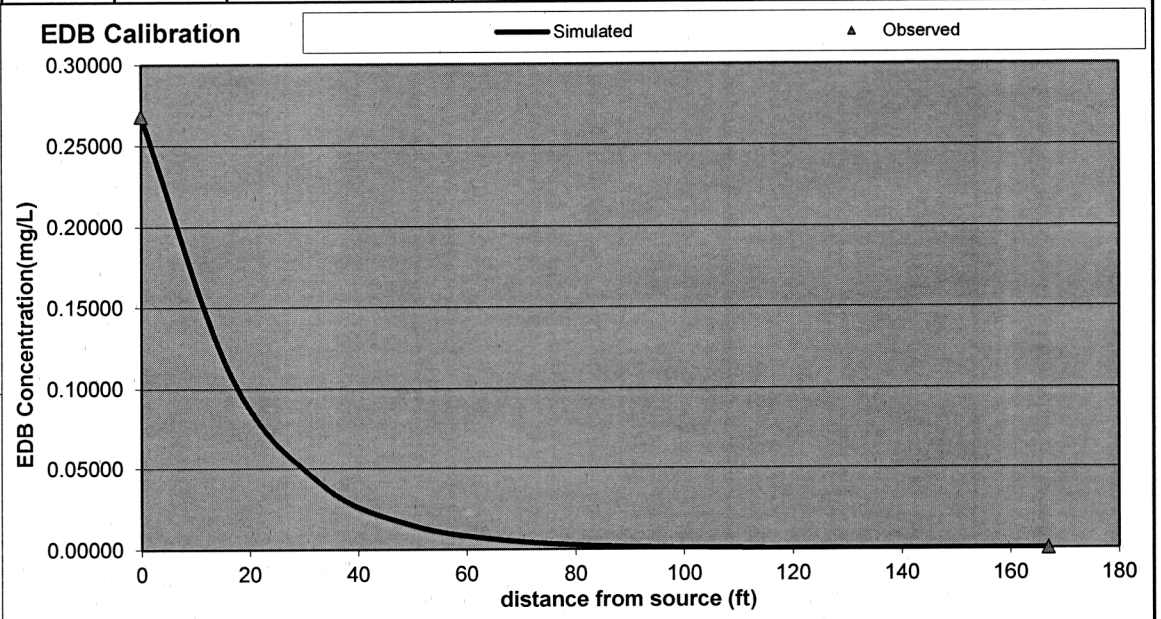
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.36	yrs	λ	1.925	yr^{-1}
v_x	21.23333	ft/yr			
R	1.027				
v_R	20.674	ft/yr	C_{source}	0.268	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	16.7	33.4	50.1	66.8	83.5	100.2	116.9	133.6	150.3	167
0	0.10726365	0.03993422	0.01487021	0.00560929	0.00214134	0.0008254	0.000321	0.000125	4.92E-05	1.94E-05
0	0.10726365	0.03993422	0.01487021	0.00560929	0.00214134	0.0008254	0.000321	0.000125	4.92E-05	1.94E-05
0	0.10726365	0.03993422	0.01487021	0.00560929	0.00214134	0.0008254	0.000321	0.000125	4.92E-05	1.94E-05
0	0.10726365	0.03993422	0.01487021	0.00560929	0.00214134	0.0008254	0.000321	0.000125	4.92E-05	1.94E-05
0	0.10726365	0.03993422	0.01487021	0.00560929	0.00214134	0.0008254	0.000321	0.000125	4.92E-05	1.94E-05

1,2-DCA Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	1.77	1.77
16.7		0.874
33.4		0.401
50.1		0.184
66.8		0.086
83.5		0.040
100.2		0.019
116.9		0.009
133.6		0.004
150.3		0.002
167	0.001	0.001

Temporal Calibration Data

		0		0
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		1.77		1.77
4.3		1.770		1.770
8.6		1.770		1.770
12.9		1.770		1.770
17.2		1.770		1.770
21.5		1.770		1.770
25.8		1.770		1.770
30.1		1.770		1.770
34.4		1.770		1.770
38.7		1.770		1.770
43		1.770		1.770

Site ID 02261

Site Name Carolina Country Convenience

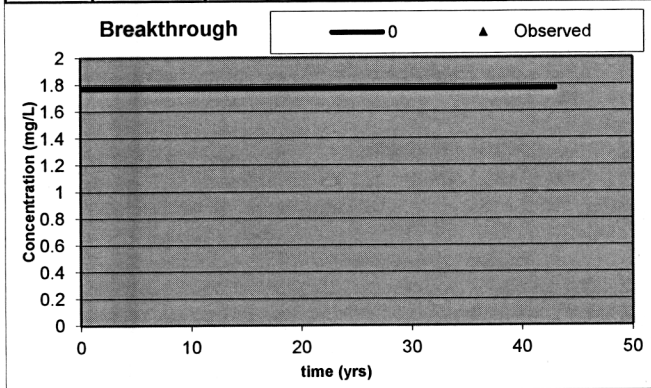
Model Calibration Parameters

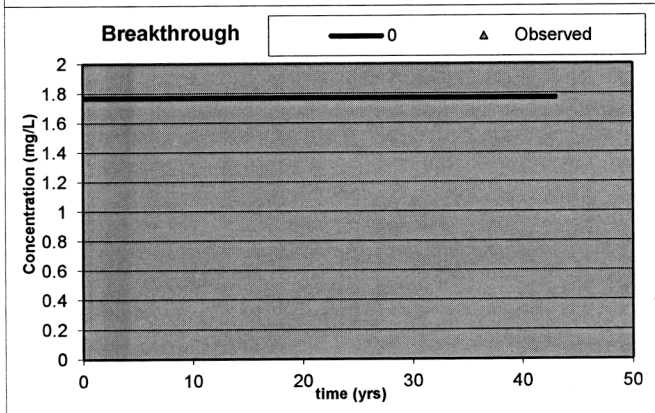
$t_{1/2}$	0.52	yrs
v_x	21.23333	ft/yr
R	1.017	
v_R	20.880	ft/yr
L_p	317.3	ft
α_x	14.25807	ft
α_y	1.425807	ft
α_z	1E-99	ft

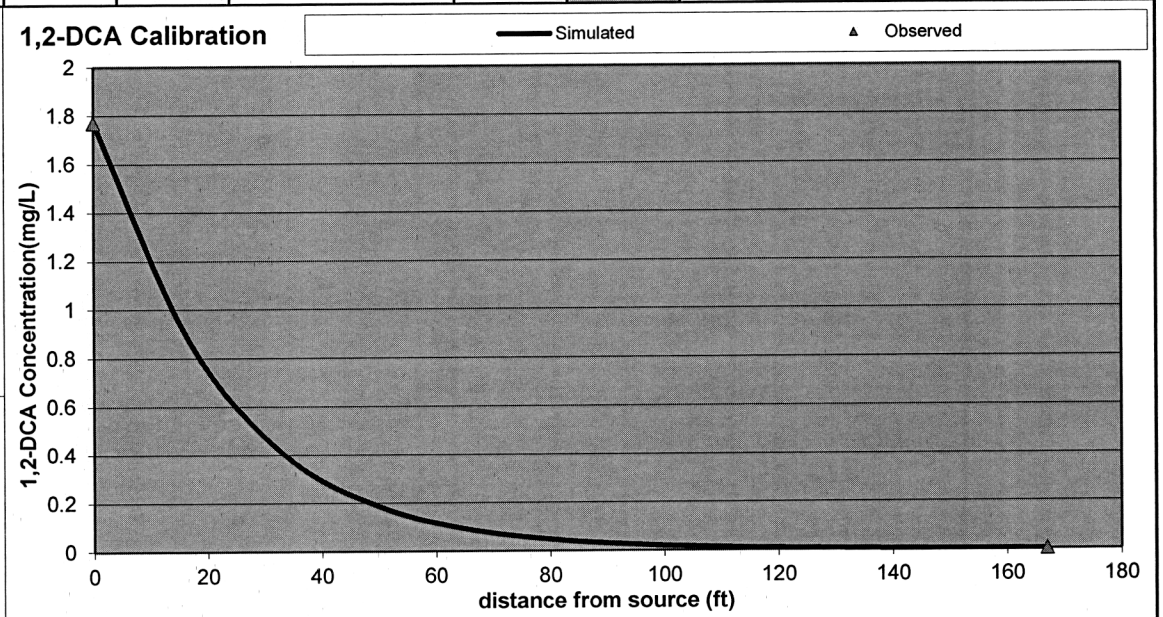
λ 1.33269 yr^{-1}

C_{source} 1.77 mg/L

t_{sim} 43 yrs







Source	16.7	33.4	50.1	66.8	83.5	100.2	116.9	133.6	150.3	167
0	0.87364453	0.40111706	0.18419879	0.08568822	0.04034058	0.0191762	0.009186	0.004428	0.002145	0.001044
0	0.87364453	0.40111706	0.18419879	0.08568822	0.04034058	0.0191762	0.009186	0.004428	0.002145	0.001044
0	0.87364453	0.40111706	0.18419879	0.08568822	0.04034058	0.0191762	0.009186	0.004428	0.002145	0.001044
0	0.87364453	0.40111706	0.18419879	0.08568822	0.04034058	0.0191762	0.009186	0.004428	0.002145	0.001044
0	0.87364453	0.40111706	0.18419879	0.08568822	0.04034058	0.0191762	0.009186	0.004428	0.002145	0.001044

UST Permit # 02261

SSTLs t 1000 yrs Site Name: Carolina Country Convenience

SSTLs in mg/L		RBSLs (mg/L):	0.005				0.040		0.00005	0.005
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL			MtBE SSTL		EDB SSTL	1,2-DCA SSTL
MW-1	277.22	0	0	91425.127			51117.616		297.87687	917.722
MW-2	136.94	0	0	22.437			48.220		0.12894	2.311
MW-11	258.85	0	0	31065.514			20718.508		109.02416	423.005
MW-12	200.4	0	0	986.617			1153.124		4.38611	35.445
MW-13	208.75	0	0	1617.659			1745.049		6.95262	50.594
MW-14	141.95	0	0	30.310			62.081		0.17069	2.873
MW-15	282.23	0	0	>99999			65372.874		391.69327	1133.202
MW-19	365.73	0	0	>99999			>99999		36950.88355	37477.211
MW-20	263.86	0	0	41707.371			26509.935		143.43505	522.594
MW-21	205.41	0	0	1327.470			1478.659		5.78301	43.885
MW-22	215.43	0	0	2401.514			2429.743		10.04641	67.227
MW-23	151.97	0	0	55.242			102.773		0.29874	4.434
MW-28	138.61	0	0	24.804			52.460		0.14158	2.485
MW-29	215.43	0	0	2401.514			2429.743		10.04641	67.227
MW-30	192.05	0	0	601.346			761.480		2.76519	24.815
MW-31	163.66	0	0	111.069			184.702		0.57289	7.342
MW-33	83.5	0	0	0.877			3.149		0.00626	0.219
MW-34	103.54	0	0	2.983			8.835		0.01963	0.535
RW-1	277.22	0	0	91425.127			51117.616		297.87687	917.722
			λ (yr^{-1}):	2.038			1.690		1.925	1.333
			R:	1.078			1.000		1.027	1.017
			Pure Substance Solubility:	1750			5110		4321	8520
			Effective Solubility:	44.39			173		1.9	3.7

SSTL set at effective solubility limit:

Benzene	44,390 ug/L
MTBE	173,000 ug/L
EDB	1,900 ug/L
1,2 DCA	3,700 ug/L

Domenico Model

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 10/23/2023

Groundwater Flow Parameters

K	455	ft/yr
dh/dx	0.014	
θeff	0.3	dec. %
v_x	21.23333333	ft/yr

Transport Parameters

x_{max}	208.75	ft
$y_{max/2}$		ft
z	0	ft
Source Width	30	ft
Source Thickness	16.74	ft
Plume Length	317.3	ft
α_x	14.2580674	ft
α_y	1.42580674	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene		81
Toluene		133
Ethylbenzene	3.31	176
Xylenes		639
Naphthalene		1543
MtBE		11
EDB		28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.078	19.69
Toluene	1.129	18.81
Ethylbenzene	1.170	18.15
Xylenes	1.618	13.13
Naphthalene	2.492	8.52
MtBE	1.011	21.01
EDB	1.027	20.67
1,2-DCA	1.017	20.88

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

Ethylbenzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.31	3.31
20.875		1.514
41.75		0.640
62.625		0.274
83.5		0.120
104.38		0.053
125.25		0.024
146.13		0.011
167		0.005
187.88		0.002
208.75	0.001	0.001

Temporal Calibration Data

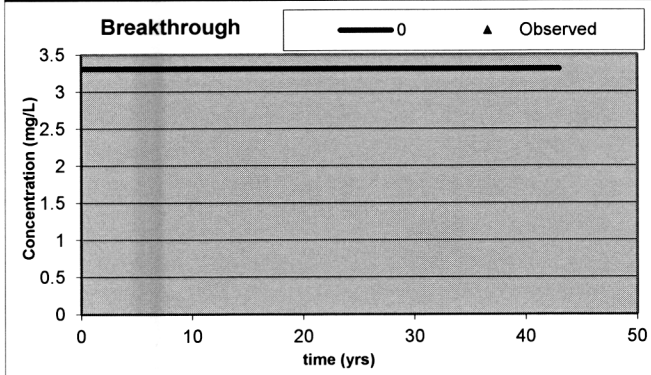
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		3.31		3.31
4.3		3.310		3.310
8.6		3.310		3.310
12.9		3.310		3.310
17.2		3.310		3.310
21.5		3.310		3.310
25.8		3.310		3.310
30.1		3.310		3.310
34.4		3.310		3.310
38.7		3.310		3.310
43		3.310		3.310

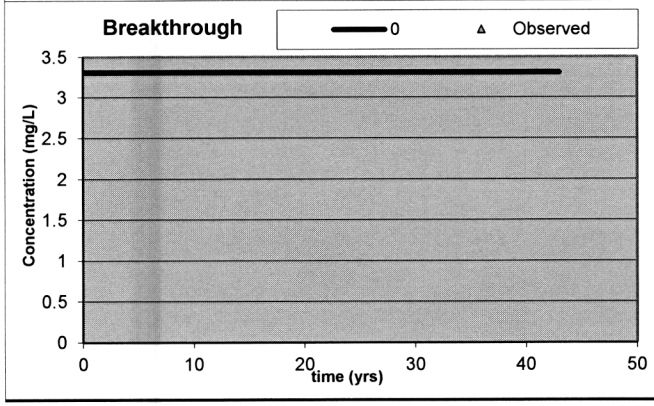
Site ID 02261

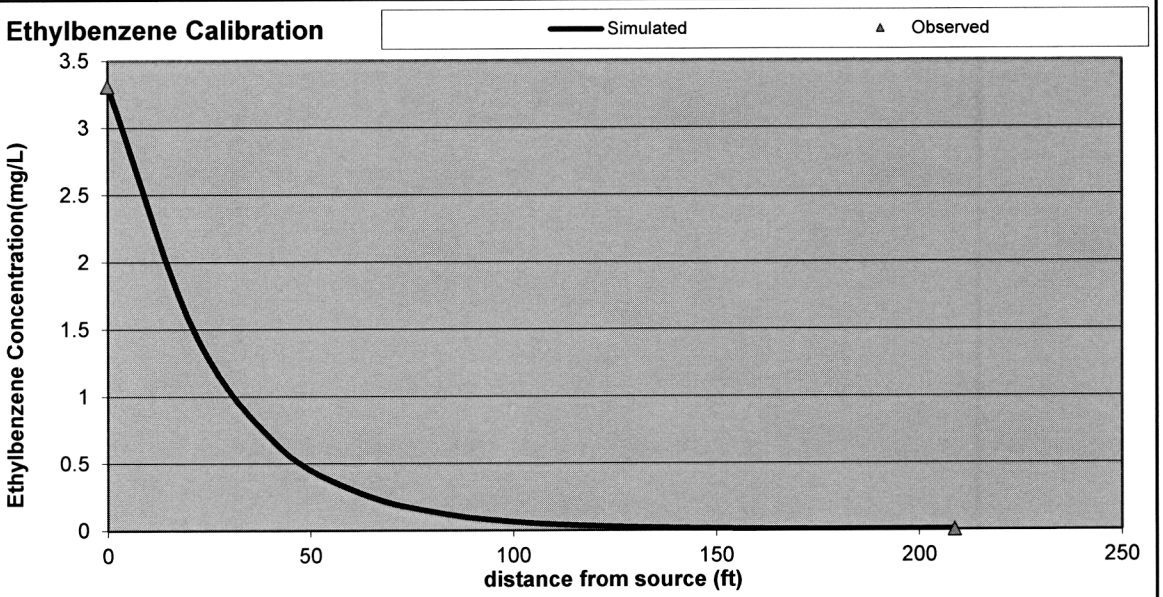
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.73	yrs	λ	0.94932	yr^{-1}
v_x	21.23333	ft/yr			
R	1.170				
v_R	18.146	ft/yr	C_{source}	3.31	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	20.875	41.75	62.625	83.5	104.375	125.25	146.125	167	187.875	208.75
0	1.51381294	0.63984483	0.2742951	0.11988464	0.05319637	0.0238768	0.010812	0.00493	0.002261	0.001041
0	1.51381294	0.63984483	0.2742951	0.11988464	0.05319637	0.0238768	0.010812	0.00493	0.002261	0.001041
0	1.51381294	0.63984483	0.2742951	0.11988464	0.05319637	0.0238768	0.010812	0.00493	0.002261	0.001041
0	1.51381294	0.63984483	0.2742951	0.11988464	0.05319637	0.0238768	0.010812	0.00493	0.002261	0.001041
0	1.51381294	0.63984483	0.2742951	0.11988464	0.05319637	0.0238768	0.010812	0.00493	0.002261	0.001041

SSTLs t 1000 yrs

UST Permit # 02261
Site Name: Carolina Country Convenience

SSTLs in mg/L		RBSLs (mg/L):				0.700					
MW #	x (ft)	y (ft)	z (ft)			Ethylbenzene SSTL					
MW-1	277.22	0	0			27603.597					
MW-2	136.94	0	0			151.372					
MW-11	258.85	0	0			14088.229					
MW-12	200.4	0	0			1632.612					
MW-13	208.75	0	0			2224.915					
MW-14	141.95	0	0			183.009					
MW-15	282.23	0	0			33150.638					
MW-19	365.73	0	0			>99999					
MW-20	263.86	0	0			16928.007					
MW-21	205.41	0	0			1965.958					
MW-22	215.43	0	0			2848.819					
MW-23	151.97	0	0			267.174					
MW-28	138.61	0	0			161.265					
MW-29	215.43	0	0			2848.819					
MW-30	192.05	0	0			1197.200					
MW-31	163.66	0	0			414.653					
MW-33	83.5	0	0			19.327					
MW-34	103.54	0	0			42.173					
RW-1	277.22	0	0			27603.597					
			λ (yr^{-1}):			0.949					
			R:			1.170					
			Pure Substance Solubility:			169					
			Effective Solubility:			3.7					

SSTL set at effective solubility limits: Ethylbenzene 3,700 ug/L

Domenico Model

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 10/23/2023

Groundwater Flow Parameters

K	455	ft/yr
dh/dx	0.014	
θ_{eff}	0.3	dec. %
v_x	21.23333333	ft/yr

Transport Parameters

x_{max}	248.83	ft
$y_{max/2}$		ft
z	0	ft
Source Width	30	ft
Source Thickness	16.74	ft
Plume Length	317.3	ft
α_x	14.2580674	ft
α_y	1.42580674	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene		81
Toluene	23	133
Ethylbenzene		176
Xylenes	14.5	639
Naphthalene	0.763	1543
MtBE		11
EDB		28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.078	19.69
Toluene	1.129	18.81
Ethylbenzene	1.170	18.15
Xylenes	1.618	13.13
Naphthalene	2.492	8.52
MtBE	1.011	21.01
EDB	1.027	20.67
1,2-DCA	1.017	20.88

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

Toluene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	23	23
24.883		8.547
49.766		2.940
74.649		1.038
99.532		0.375
124.42		0.138
149.3		0.051
174.18		0.019
199.06		0.007
223.95		0.003
248.83	0.001	0.001

Temporal Calibration Data

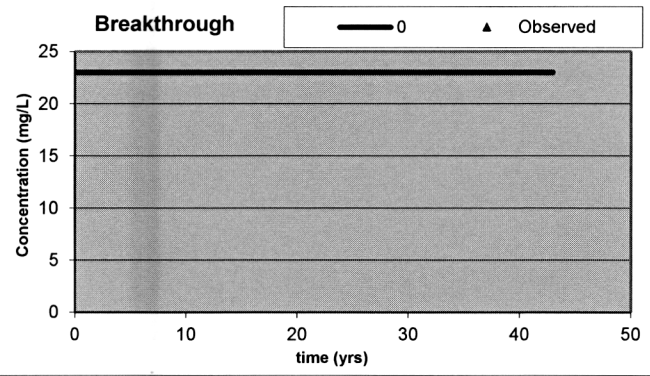
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		23		23
4.3		23.000		23.000
8.6		23.000		23.000
12.9		23.000		23.000
17.2		23.000		23.000
21.5		23.000		23.000
25.8		23.000		23.000
30.1		23.000		23.000
34.4		23.000		23.000
38.7		23.000		23.000
43		23.000		23.000

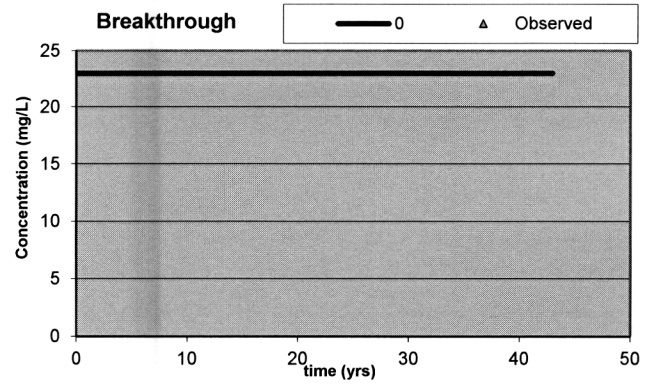
Site ID 02261

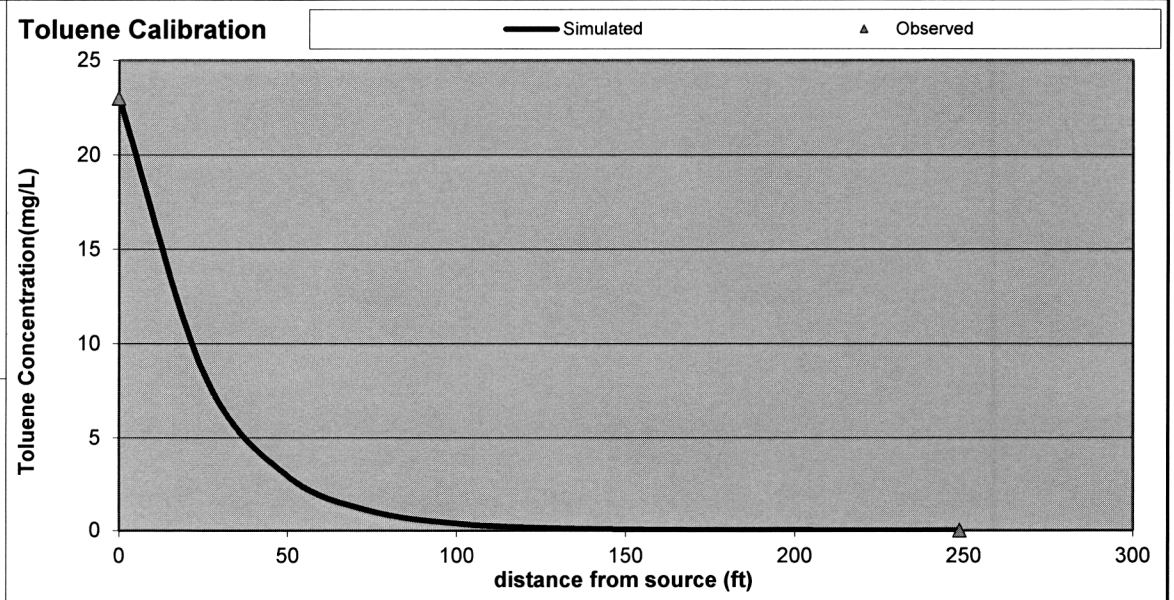
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.66	yrs	λ	1.05	yr^{-1}
v_x	21.23333	ft/yr			
R	1.129				
v_R	18.814	ft/yr	C_{source}	23	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	24.883	49.766	74.649	99.532	124.415	149.298	174.181	199.064	223.947	248.83
0	8.54662295	2.93953528	1.03780035	0.37534312	0.13813455	0.0514864	0.019375	0.007345	0.002801	0.001074
0	8.54662295	2.93953528	1.03780035	0.37534312	0.13813455	0.0514864	0.019375	0.007345	0.002801	0.001074
0	8.54662295	2.93953528	1.03780035	0.37534312	0.13813455	0.0514864	0.019375	0.007345	0.002801	0.001074
0	8.54662295	2.93953528	1.03780035	0.37534312	0.13813455	0.0514864	0.019375	0.007345	0.002801	0.001074
0	8.54662295	2.93953528	1.03780035	0.37534312	0.13813455	0.0514864	0.019375	0.007345	0.002801	0.001074

Xylenes Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	14.5	14.5
24.883		6.260
49.766		2.502
74.649		1.026
99.532		0.431
124.42		0.184
149.3		0.080
174.18		0.035
199.06		0.015
223.95		0.007
248.83	0.003	0.003

Temporal Calibration Data

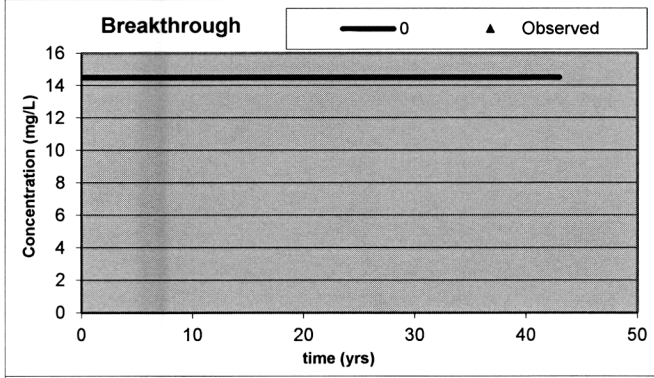
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		14.5		14.5
4.3		14.500		14.500
8.6		14.500		14.500
12.9		14.500		14.500
17.2		14.500		14.500
21.5		14.500		14.500
25.8		14.500		14.500
30.1		14.500		14.500
34.4		14.500		14.500
38.7		14.500		14.500
43		14.500		14.500

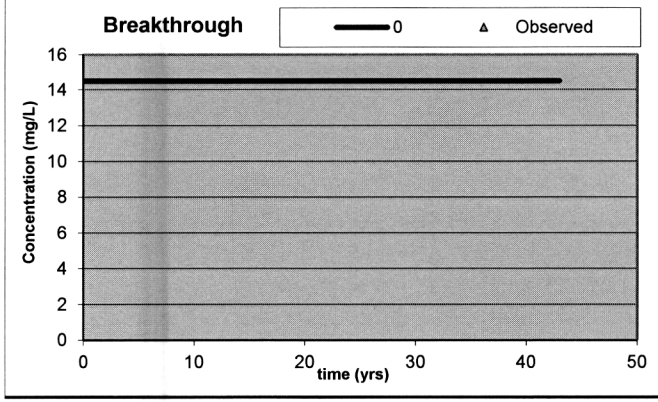
Site ID 02261

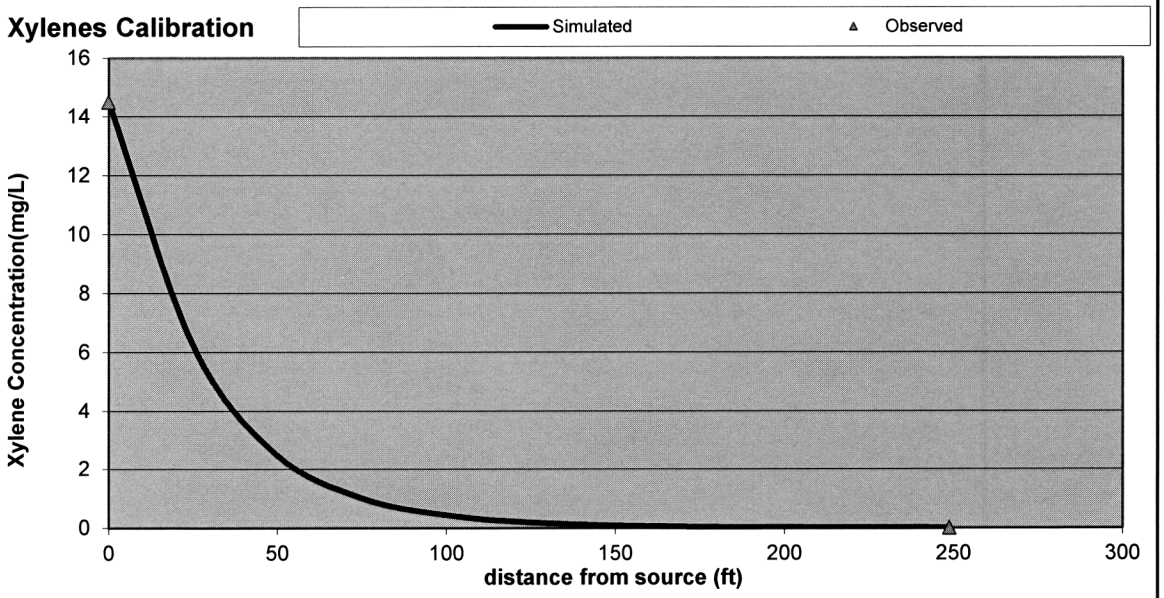
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	1.2	yrs	λ	0.5775	yr^{-1}
v_x	21.23333	ft/yr			
R	1.618				
v_R	13.126	ft/yr	C_{source}	14.5	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	24.883	49.766	74.649	99.532	124.415	149.298	174.181	199.064	223.947	248.83
0	6.26002783	2.5015083	1.02607389	0.4311564	0.18435302	0.0798328	0.034904	0.015374	0.006812	0.003033
0	6.26002783	2.5015083	1.02607389	0.4311564	0.18435302	0.0798328	0.034904	0.015374	0.006812	0.003033
0	6.26002783	2.5015083	1.02607389	0.4311564	0.18435302	0.0798328	0.034904	0.015374	0.006812	0.003033
0	6.26002783	2.5015083	1.02607389	0.4311564	0.18435302	0.0798328	0.034904	0.015374	0.006812	0.003033
0	6.26002783	2.5015083	1.02607389	0.4311564	0.18435302	0.0798328	0.034904	0.015374	0.006812	0.003033

Naphthalene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.763	0.763
24.883		0.465
49.766		0.263
74.649		0.152
99.532		0.090
124.42		0.055
149.3		0.033
174.18		0.021
199.06		0.013
223.95		0.008
248.83	0.005	0.005

Temporal Calibration Data

	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.763		0.763
4.3		0.763		0.763
8.6		0.763		0.763
12.9		0.763		0.763
17.2		0.763		0.763
21.5		0.763		0.763
25.8		0.763		0.763
30.1		0.763		0.763
34.4		0.763		0.763
38.7		0.763		0.763
43		0.763		0.763

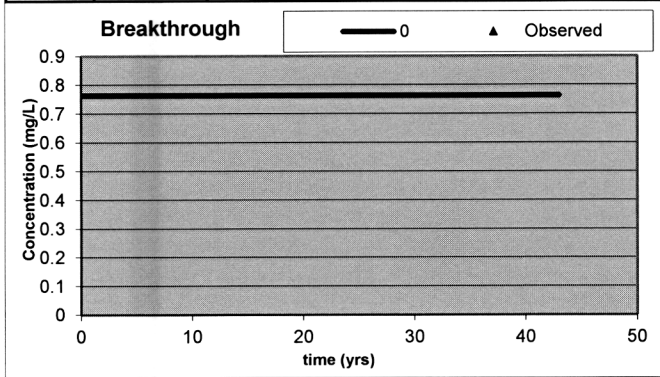
Site ID 02261

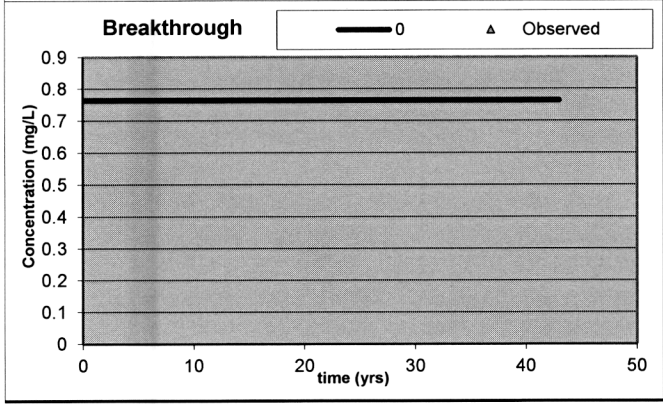
Site Name Carolina Country Convenience

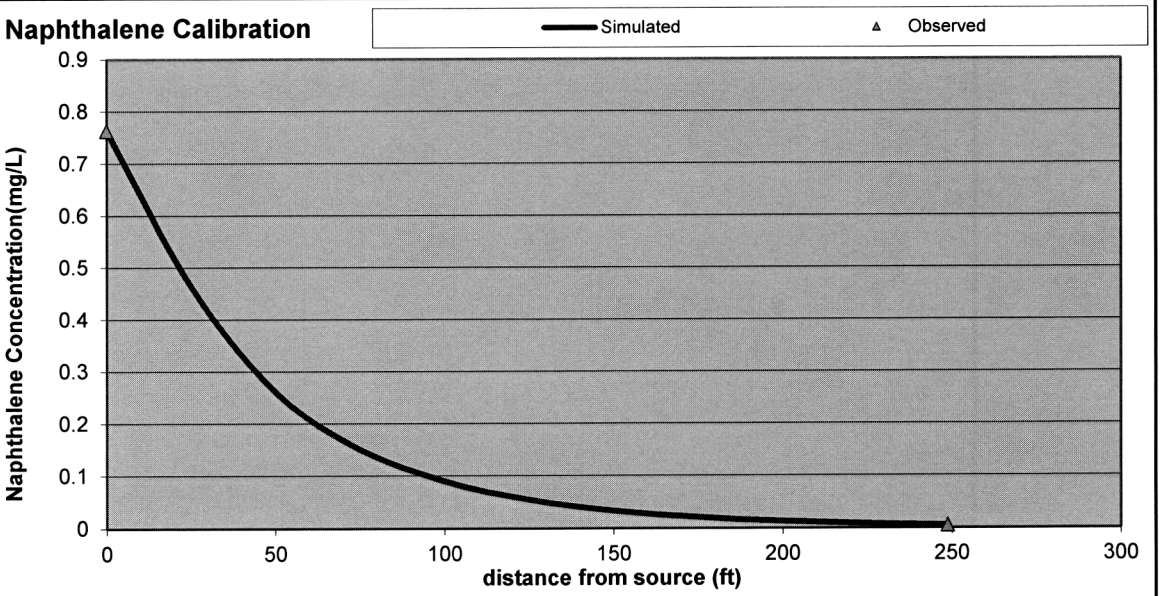
3

Model Calibration Parameters

$t_{1/2}$	3.92	yrs	λ	0.17679	yr^{-1}
v_x	21.23333	ft/yr			
R	2.492				
v_R	8.522	ft/yr	C_{source}	0.763	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	24.883	49.766	74.649	99.532	124.415	149.298	174.181	199.064	223.947	248.83
0	0.46528445	0.26262122	0.15215688	0.09030906	0.05454138	0.03336	0.0206	0.012813	0.008015	0.005035
0	0.46528445	0.26262122	0.15215688	0.09030906	0.05454138	0.03336	0.0206	0.012813	0.008015	0.005035
0	0.46528445	0.26262122	0.15215688	0.09030906	0.05454138	0.03336	0.0206	0.012813	0.008015	0.005035
0	0.46528445	0.26262122	0.15215688	0.09030906	0.05454138	0.03336	0.0206	0.012813	0.008015	0.005035
0	0.46528445	0.26262122	0.15215688	0.09030906	0.05454138	0.03336	0.0206	0.012813	0.008015	0.005035

SSTLs t 1000 yrs

UST Permit # 02261
Site Name: Carolina Country Convenience

SSTLs in mg/L		RBSLs (mg/L):			1.000		10.000		0.025		
MW #	x (ft)	y (ft)	z (ft)		Toluene SSTL		Xylenes SSTL		Naphthalene SSTL		
MW-1	277.22	0	0		63680.035		>99999		6.386		
MW-2	136.94	0	0		274.006		1200.228		0.449		
MW-11	258.85	0	0		31484.869		66138.581		4.551		
MW-12	200.4	0	0		3297.953		9854.044		1.526		
MW-13	208.75	0	0		4559.781		12955.508		1.787		
MW-14	141.95	0	0		334.156		1420.159		0.495		
MW-15	282.23	0	0		77142.017		>99999		7.002		
MW-19	365.73	0	0		>99999		>99999		31.936		
MW-20	263.86	0	0		38160.391		77776.794		4.993		
MW-21	205.41	0	0		4005.873		11613.189		1.678		
MW-22	215.43	0	0		5906.237		16118.836		2.026		
MW-23	151.97	0	0		496.357		1985.867		0.602		
MW-28	138.61	0	0		292.760		1269.528		0.464		
MW-29	215.43	0	0		5906.237		16118.836		2.026		
MW-30	192.05	0	0		2383.741		7490.120		1.303		
MW-31	163.66	0	0		786.071		2930.988		0.756		
MW-33	83.5	0	0		31.897		192.824		0.151		
MW-34	103.54	0	0		72.056		386.024		0.229		
RW-1	277.22	0	0		63680.035		>99999		6.386		
			λ (yr^{-1}):		1.050		0.578		0.177		
			R:		1.129		1.618		2.492		
			Pure Substance Solubility:		526		175		31		
			Effective Solubility:		26.54		21.68		6.7		

SSTL set at effective solubility limit:

Toluene	26,540 ug/L
Xylenes	21,680 ug/L
Naphthalene	6,700 ug/L

Domenico Model (Oxygenates)

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 11/10/2023

Groundwater Flow Parameters

K	455	ft/yr
dh/dx	0.014	
θ	0.3	dec. %
v_x	21.23333333	ft/yr

Transport Parameters

x_{max}	317.3	ft
y_{max}		ft
z	0	ft
Source Width	30	ft
Source Thickness	16.74	ft
Plume Length	317.3	ft
α_x	14.25807	ft
α_y	1.425807	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA	88	1
tAA		1
DIPE		1.5
tAME		1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	21.21
tAA	1.001	21.21
DIPE	1.001	21.20
tAME	1.001	21.20
EtBE	1.001	21.20
Ethanol	1.000	21.22

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

tBA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	88	88
31.73		37.140
63.46		14.707
95.19		6.079
126.92		2.590
158.65		1.126
190.38		0.496
222.11		0.221
253.84		0.099
285.57		0.045
317.3	0.02	0.020

Temporal Calibration Data

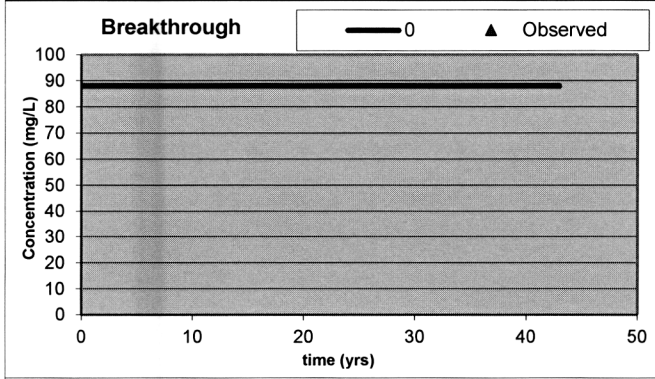
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		88		88
4.3		88.000		88.000
8.6		88.000		88.000
12.9		88.000		88.000
17.2		88.000		88.000
21.5		88.000		88.000
25.8		88.000		88.000
30.1		88.000		88.000
34.4		88.000		88.000
38.7		88.000		88.000
43		88.000		88.000

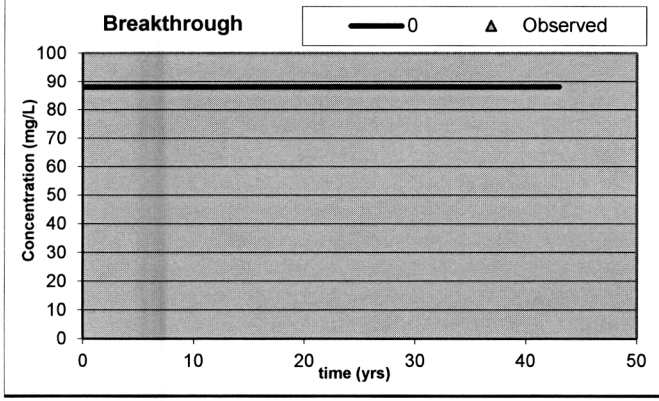
Site ID 02261

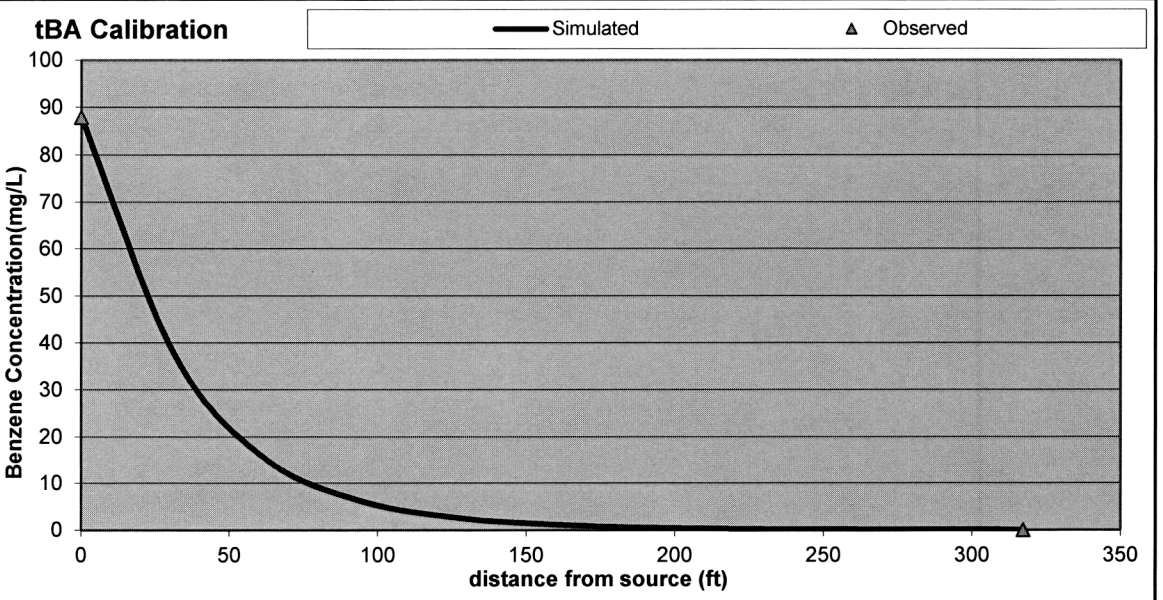
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	1.05	yrs	λ	0.66	yr^{-1}
v_x	21.23333	ft/yr			
R	1.001				
v_R	21.213	ft/yr	C_{source}	88	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	31.73	63.46	95.19	126.92	158.65	190.38	222.11	253.84	285.57	317.3
0	37.139697	14.7066336	6.0794211	2.59009075	1.12597155	0.4964787	0.221217	0.099361	0.044912	0.020405
0	37.139697	14.7066336	6.0794211	2.59009075	1.12597155	0.4964787	0.221217	0.099361	0.044912	0.020405
0	37.139697	14.7066336	6.0794211	2.59009075	1.12597155	0.4964787	0.221217	0.099361	0.044912	0.020405
0	37.139697	14.7066336	6.0794211	2.59009075	1.12597155	0.4964787	0.221217	0.099361	0.044912	0.020405
0	37.139697	14.7066336	6.0794211	2.59009075	1.12597155	0.4964787	0.221217	0.099361	0.044912	0.020405

SSTLs t 1000 yrs

UST Permit # 02261
Site Name: Carolina Cour

SSTLs in mg/L		RBSLs (mg/L):		1.400					
MW #	x (ft)	y (ft)	z (ft)	tBA SSTL					
MW-1	277.22	0	0	2227.053					
MW-2	136.94	0	0	61.993					
MW-11	258.85	0	0	1406.088					
MW-12	200.4	0	0	320.635					
MW-13	208.75	0	0	396.684					
MW-14	141.95	0	0	70.725					
MW-15	282.23	0	0	2523.825					
MW-19	365.73	0	0	19970.702					
MW-20	263.86	0	0	1594.279					
MW-21	205.41	0	0	364.338					
MW-22	215.43	0	0	470.110					
MW-23	151.97	0	0	91.939					
MW-28	138.61	0	0	64.780					
MW-29	215.43	0	0	470.110					
MW-30	192.05	0	0	258.994					
MW-31	163.66	0	0	124.622					
MW-33	83.5	0	0	14.697					
MW-34	103.54	0	0	25.428					
RW-1	277.22	0	0	2227.053					
			λ (yr^{-1}):	0.660					
			R:	1.001					

Domenico Model (Oxygenates)

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 11/10/2023

Transport Parameters

x_{max}	268.87	ft
y_{max}		ft
z	0	ft
Source Width	30	ft
Source Thickness	16.74	ft
Plume Length	317.3	ft
α_x	14.25807	ft
α_y	1.425807	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim}	43	yrs

Groundwater Flow Parameters

K	455	ft/yr
dh/dx	0.014	
θ	0.3	dec. %
v_x	21.23333333	ft/yr

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA		1
tAA	88	1
DIPE		1.5
tAME		1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	21.21
tAA	1.001	21.21
DIPE	1.001	21.20
tAME	1.001	21.20
EtBE	1.001	21.20
Ethanol	1.000	21.22

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

tAA Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	88	88
26.887		38.020
53.774		15.247
80.661		6.310
107.55		2.681
134.44		1.160
161.32		0.509
188.21		0.225
215.1		0.100
241.98		0.045
268.87	0.02	0.020

Temporal Calibration Data

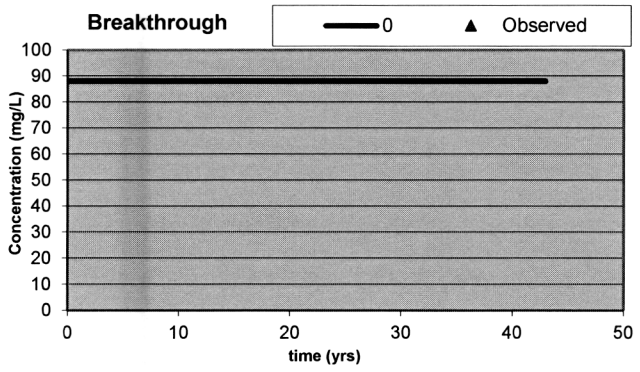
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		88		88
4.3		88.000		88.000
8.6		88.000		88.000
12.9		88.000		88.000
17.2		88.000		88.000
21.5		88.000		88.000
25.8		88.000		88.000
30.1		88.000		88.000
34.4		88.000		88.000
38.7		88.000		88.000
43		88.000		88.000

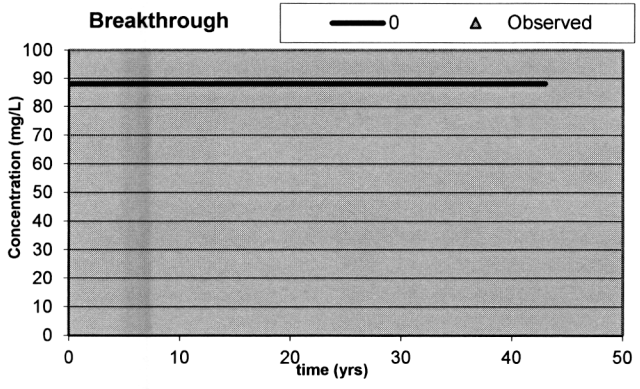
Site ID 02261

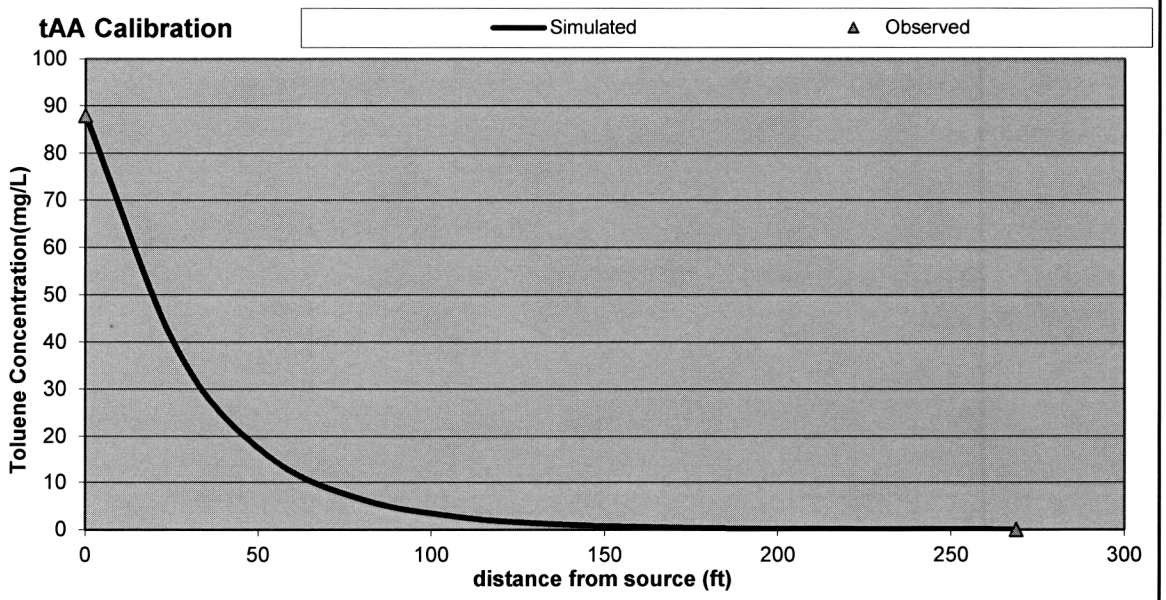
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.84	yrs	λ	0.825	yr^{-1}
v_x	21.23333	ft/yr			
R	1.001				
v_R	21.213	ft/yr	C_{source}	88	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







Source	26.887	53.774	80.661	107.548	134.435	161.322	188.209	215.096	241.983	268.87
0	38.0196297	15.2466719	6.31008585	2.68068448	1.15989524	0.5085409	0.225176	0.10047	0.045101	0.020346
0	38.0196297	15.2466719	6.31008585	2.68068448	1.15989524	0.5085409	0.225176	0.10047	0.045101	0.020346
0	38.0196297	15.2466719	6.31008585	2.68068448	1.15989524	0.5085409	0.225176	0.10047	0.045101	0.020346
0	38.0196297	15.2466719	6.31008585	2.68068448	1.15989524	0.5085409	0.225176	0.10047	0.045101	0.020346
0	38.0196297	15.2466719	6.31008585	2.68068448	1.15989524	0.5085409	0.225176	0.10047	0.045101	0.020346

UST Permit # 02261

SSTLs t 1000 yrs Site Name: Carolina Cour

SSTLs in mg/L		RBSLs (mg/L):			0.240				
MW #	x (ft)	y (ft)	z (ft)		tAA SSTL				
MW-1	277.22	0	0		1327.987				
MW-2	136.94	0	0		19.672				
MW-11	258.85	0	0		771.971				
MW-12	200.4	0	0		135.348				
MW-13	208.75	0	0		173.858				
MW-14	141.95	0	0		22.954				
MW-15	282.23	0	0		1539.240				
MW-19	365.73	0	0		17729.915				
MW-20	263.86	0	0		895.234				
MW-21	205.41	0	0		157.301				
MW-22	215.43	0	0		212.321				
MW-23	151.97	0	0		31.215				
MW-28	138.61	0	0		20.712				
MW-29	215.43	0	0		212.321				
MW-30	192.05	0	0		105.299				
MW-31	163.66	0	0		44.595				
MW-33	83.5	0	0		3.668				
MW-34	103.54	0	0		6.944				
RW-1	277.22	0	0		1327.987				
			λ (yr^{-1}):		0.825				
			R:		1.001				

Domenico Model (Oxygenates)

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 11/10/2023

Groundwater Flow Parameters

K	455	ft/yr
dh/dx	0.014	
θ	0.3	dec. %
v_x	21.23333333	ft/yr

Transport Parameters

x_{max}	167	ft
y_{max}		ft
z	0	ft
Source Width	30	ft
Source Thickness	16.74	ft
Plume Length	317.3	ft
α_x	14.25807	ft
α_y	1.425807	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA		1
tAA		1
DIPE		1.5
tAME	0.159	1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	21.21
tAA	1.001	21.21
DIPE	1.001	21.20
tAME	1.001	21.20
EtBE	1.001	21.20
Ethanol	1.000	21.22

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

tAME Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.159	0.159
16.7		0.107
33.4		0.067
50.1		0.042
66.8		0.026
83.5		0.017
100.2		0.011
116.9		0.007
133.6		0.005
150.3		0.003
167	0.002	0.002

Temporal Calibration Data

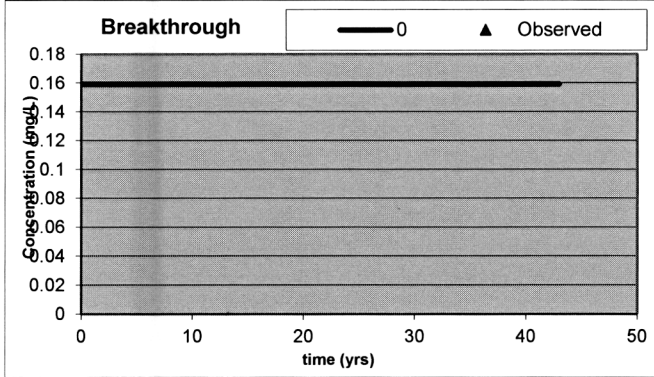
		0	0
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.159		0.159
4.3		0.159		0.159
8.6		0.159		0.159
12.9		0.159		0.159
17.2		0.159		0.159
21.5		0.159		0.159
25.8		0.159		0.159
30.1		0.159		0.159
34.4		0.159		0.159
38.7		0.159		0.159
43		0.159		0.159

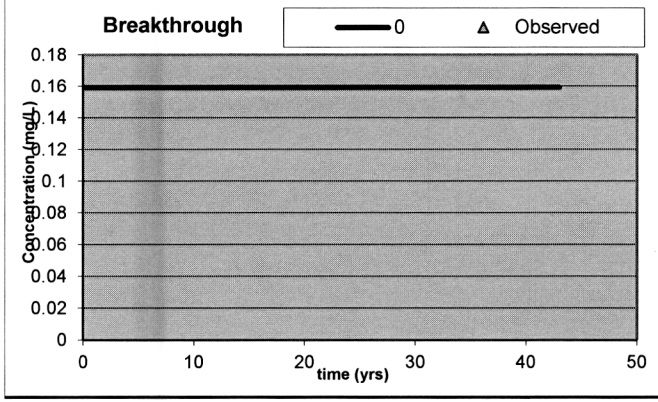
Site ID 02261

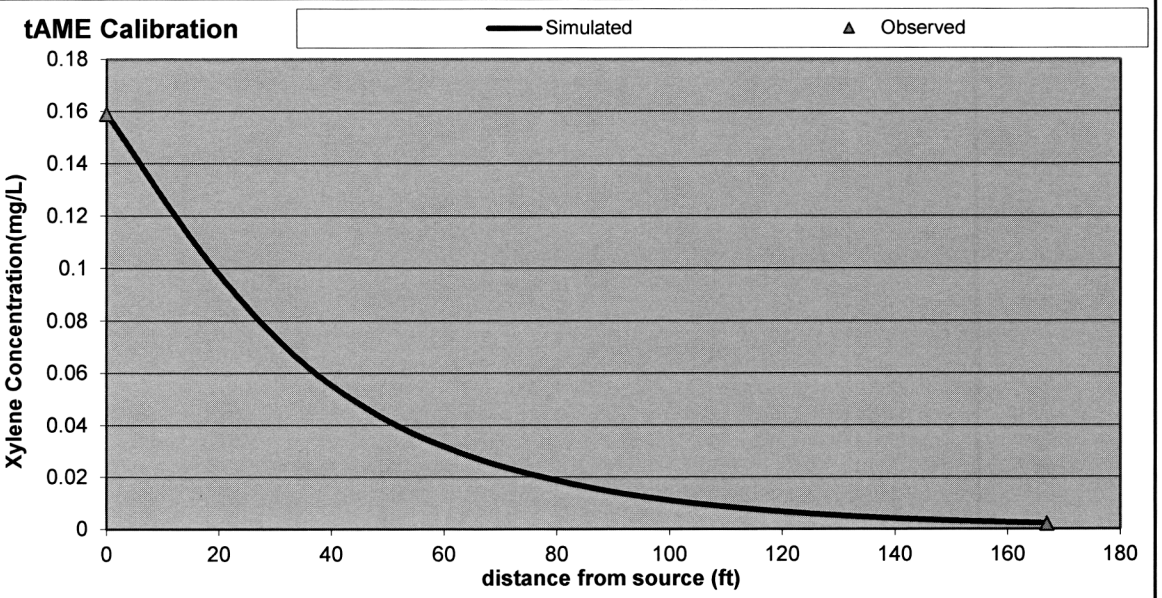
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	1.13	yrs	λ	0.61327	yr^{-1}
v_x	21.23333	ft/yr			
R	1.001				
v_R	21.203	ft/yr	C_{source}	0.159	mg/L
L_p	317.3	ft			
α_x	14.25807	ft	t_{sim}	43	yrs
α_y	1.425807	ft			
α_z	1E-99	ft			







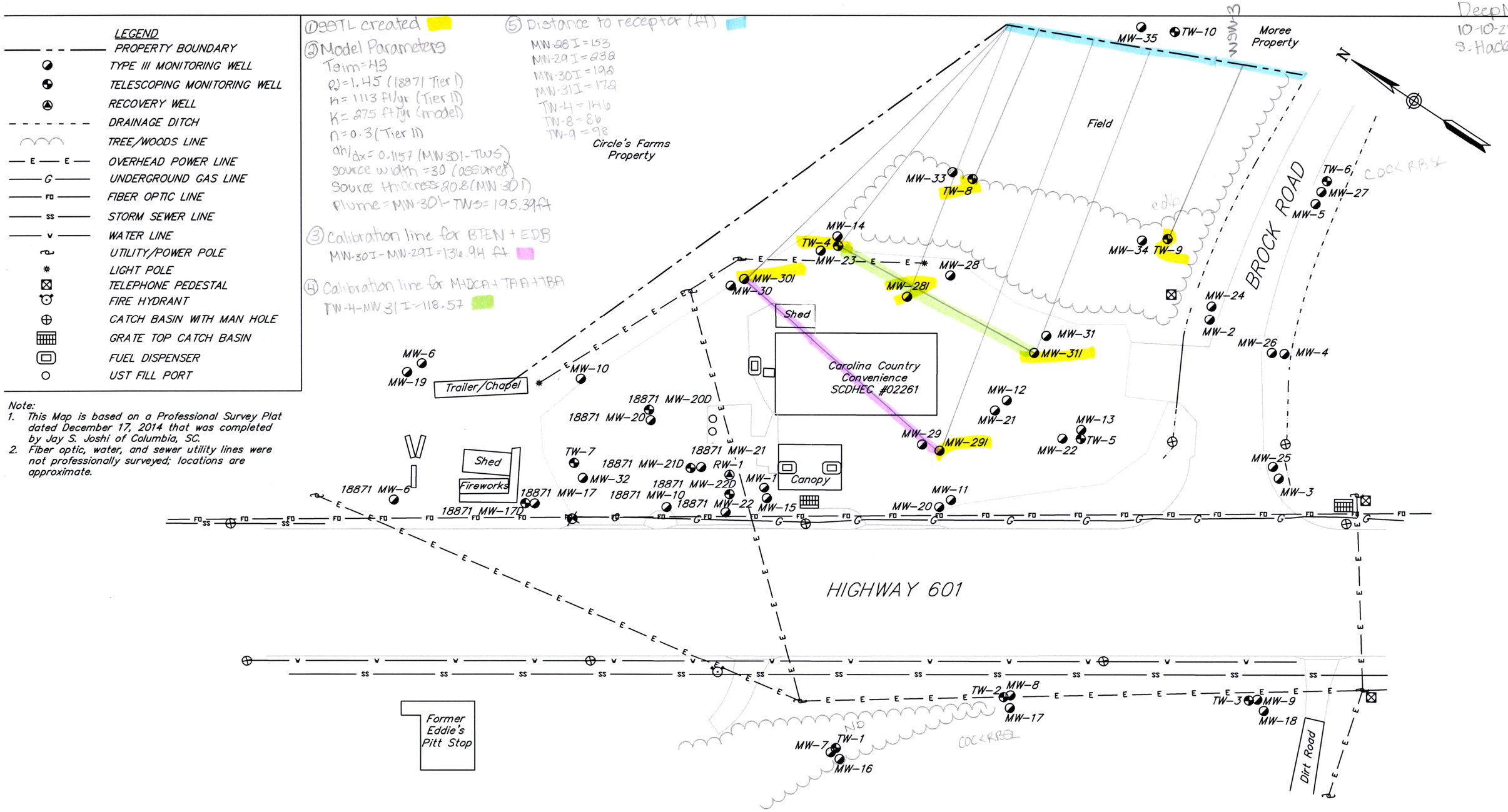
Source	16.7	33.4	50.1	66.8	83.5	100.2	116.9	133.6	150.3	167
0	0.10681293	0.06674602	0.04171634	0.02641227	0.01692357	0.0109491	0.007139	0.004683	0.003088	0.002045
0	0.10681293	0.06674602	0.04171634	0.02641227	0.01692357	0.0109491	0.007139	0.004683	0.003088	0.002045
0	0.10681293	0.06674602	0.04171634	0.02641227	0.01692357	0.0109491	0.007139	0.004683	0.003088	0.002045
0	0.10681293	0.06674602	0.04171634	0.02641227	0.01692357	0.0109491	0.007139	0.004683	0.003088	0.002045
0	0.10681293	0.06674602	0.04171634	0.02641227	0.01692357	0.0109491	0.007139	0.004683	0.003088	0.002045

UST Permit # 02261

SSTLs t 1000 yrs Site Name: Carolina Cour

SSTLs in mg/L		RBSLs (mg/L):					0.128		
MW #	x (ft)	y (ft)	z (ft)				tAME SSTL		
MW-1	277.22	0	0				140.860		
MW-2	136.94	0	0				4.725		
MW-11	258.85	0	0				91.133		
MW-12	200.4	0	0				22.460		
MW-13	208.75	0	0				27.481		
MW-14	141.95	0	0				5.354		
MW-15	282.23	0	0				158.572		
MW-19	365.73	0	0				1122.947		
MW-20	263.86	0	0				102.644		
MW-21	205.41	0	0				25.352		
MW-22	215.43	0	0				32.279		
MW-23	151.97	0	0				6.868		
MW-28	138.61	0	0				4.926		
MW-29	215.43	0	0				32.279		
MW-30	192.05	0	0				18.345		
MW-31	163.66	0	0				9.167		
MW-33	83.5	0	0				1.203		
MW-34	103.54	0	0				2.026		
RW-1	277.22	0	0				140.860		
			λ (yr^{-1}):				0.613		
			R:				1.001		

02261
DeepModel
10-10-23
S. Hackett



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:	11/19/19	Drawn by:	DTH	Figure:	3

Domenico Model

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 10/20/2023

Groundwater Flow Parameters

K	381	ft/yr
dh/dx	0.1157	
θeff	0.3	dec. %
v_x	146.939	ft/yr

Transport Parameters

x_{max}	136.94	ft
$y_{max/2}$		ft
z	0	ft
Source Width	30	ft
Source Thickness	20.8	ft
Plume Length	195.39	ft
α_x	10.8776128	ft
α_y	1.08776128	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene	16.1	81
Toluene	3.21	133
Ethylbenzene	2.79	176
Xylenes		639
Naphthalene	0.921	1543
MtBE		11
EDB	0.0189	28
1,2-DCA		17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.078	136.27
Toluene	1.129	130.20
Ethylbenzene	1.170	125.57
Xylenes	1.618	90.83
Naphthalene	2.492	58.97
MtBE	1.011	145.39
EDB	1.027	143.07
1,2-DCA	1.017	144.49

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

Benzene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	16.1	16.1
13.694		14.605
27.388		12.712
41.082		10.859
54.776		9.276
68.47		7.959
82.164		6.865
95.858		5.951
109.55		5.181
123.25		4.527
136.94	3.97	3.969

Temporal Calibration Data

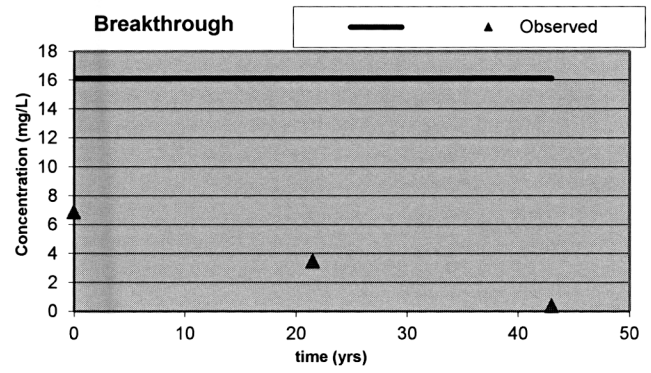
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0	6.9	16.1	6.9	16.1
4.3		16.100		16.100
8.6		16.100		16.100
12.9		16.100		16.100
17.2		16.100		16.100
21.5	3.5	16.100	3.5	16.100
25.8		16.100		16.100
30.1		16.100		16.100
34.4		16.100		16.100
38.7		16.100		16.100
43	0.4	16.100	0.4	16.100

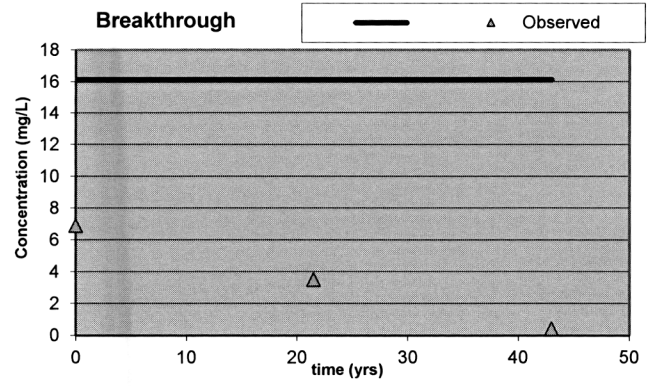
Site ID 02261

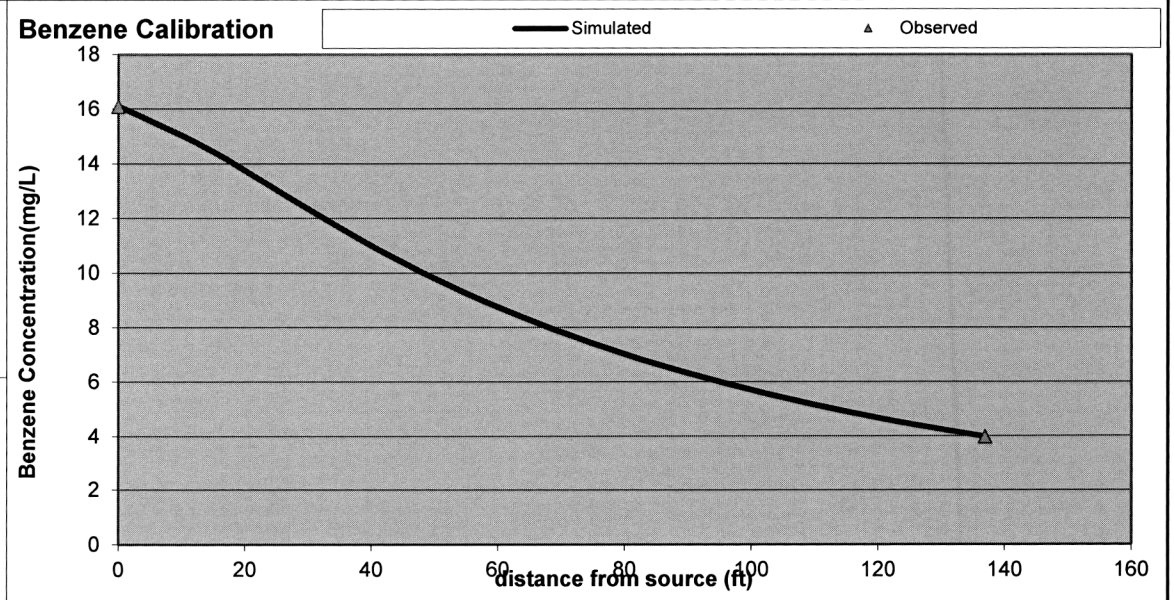
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.71	yrs	λ	0.97606	yr^{-1}
v_x	146.939	ft/yr			
R	1.078				
v_R	136.269	ft/yr	C_{source}	16.1	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	13.694	27.388	41.082	54.776	68.47	82.164	95.858	109.552	123.246	136.94
0	14.6050081	12.7119917	10.8594912	9.27589385	7.95927219	6.8654017	5.950956	5.180715	4.527205	3.969099
0	14.6050081	12.7119917	10.8594912	9.27589385	7.95927219	6.8654017	5.950956	5.180715	4.527205	3.969099
0	14.6050081	12.7119917	10.8594912	9.27589385	7.95927219	6.8654017	5.950956	5.180715	4.527205	3.969099
0	14.6050081	12.7119917	10.8594912	9.27589385	7.95927219	6.8654017	5.950956	5.180715	4.527205	3.969099
0	14.6050081	12.7119917	10.8594912	9.27589385	7.95927219	6.8654017	5.950956	5.180715	4.527205	3.969099

Toluene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.21	3.21
13.694		2.375
27.388		1.686
41.082		1.175
54.776		0.819
68.47		0.573
82.164		0.403
95.858		0.285
109.55		0.202
123.25		0.144
136.94	0.103	0.103

Temporal Calibration Data

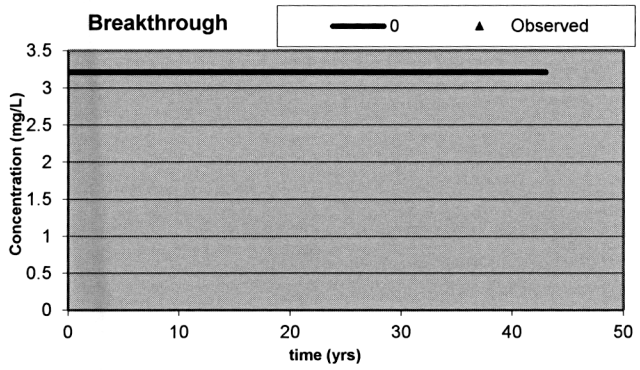
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		3.21		3.21
4.3		3.210		3.210
8.6		3.210		3.210
12.9		3.210		3.210
17.2		3.210		3.210
21.5		3.210		3.210
25.8		3.210		3.210
30.1		3.210		3.210
34.4		3.210		3.210
38.7		3.210		3.210
43		3.210		3.210

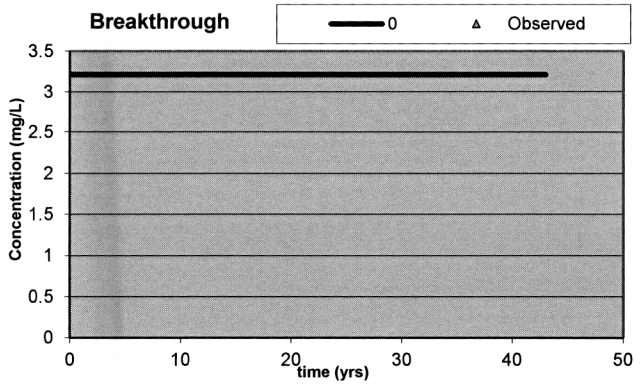
Site ID 02261

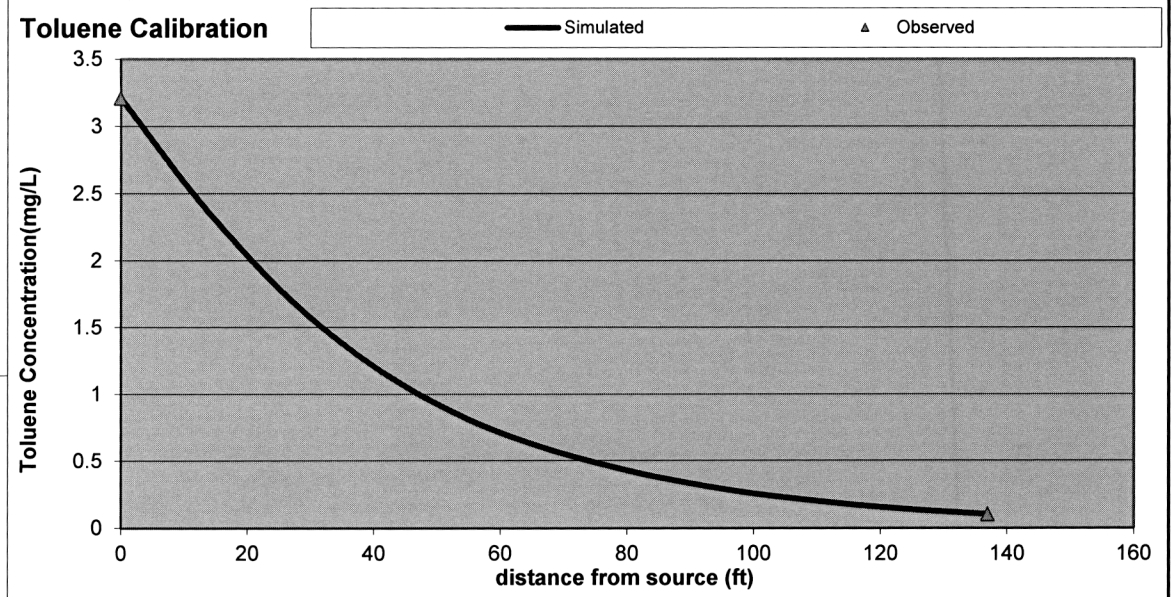
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.2	yrs	λ	3.465	yr^{-1}
v_x	146.939	ft/yr			
R	1.129				
v_R	130.200	ft/yr	C_{source}	3.21	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	13.694	27.388	41.082	54.776	68.47	82.164	95.858	109.552	123.246	136.94
0	2.37512078	1.68617343	1.17490529	0.81856636	0.57289657	0.4030636	0.28497	0.202352	0.144229	0.103138
0	2.37512078	1.68617343	1.17490529	0.81856636	0.57289657	0.4030636	0.28497	0.202352	0.144229	0.103138
0	2.37512078	1.68617343	1.17490529	0.81856636	0.57289657	0.4030636	0.28497	0.202352	0.144229	0.103138
0	2.37512078	1.68617343	1.17490529	0.81856636	0.57289657	0.4030636	0.28497	0.202352	0.144229	0.103138
0	2.37512078	1.68617343	1.17490529	0.81856636	0.57289657	0.4030636	0.28497	0.202352	0.144229	0.103138

Ethylbenzene Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.79	2.79
13.694		2.556
27.388		2.247
41.082		1.938
54.776		1.672
68.47		1.449
82.164		1.262
95.858		1.105
109.55		0.972
123.25		0.857
136.94	0.756	0.759

Temporal Calibration Data

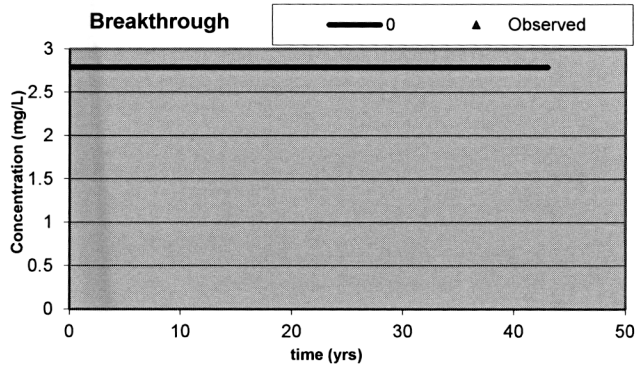
		0	0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.79		2.79
4.3		2.790		2.790
8.6		2.790		2.790
12.9		2.790		2.790
17.2		2.790		2.790
21.5		2.790		2.790
25.8		2.790		2.790
30.1		2.790		2.790
34.4		2.790		2.790
38.7		2.790		2.790
43		2.790		2.790

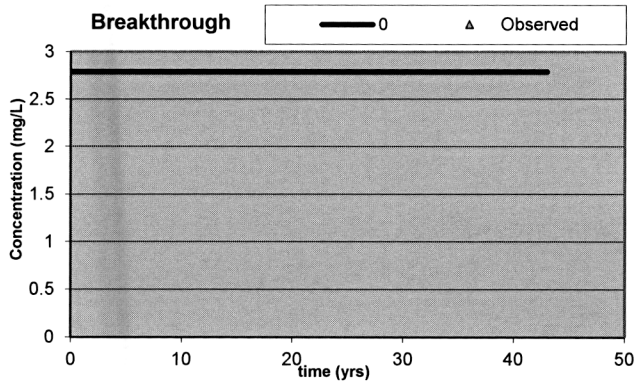
Site ID 02261

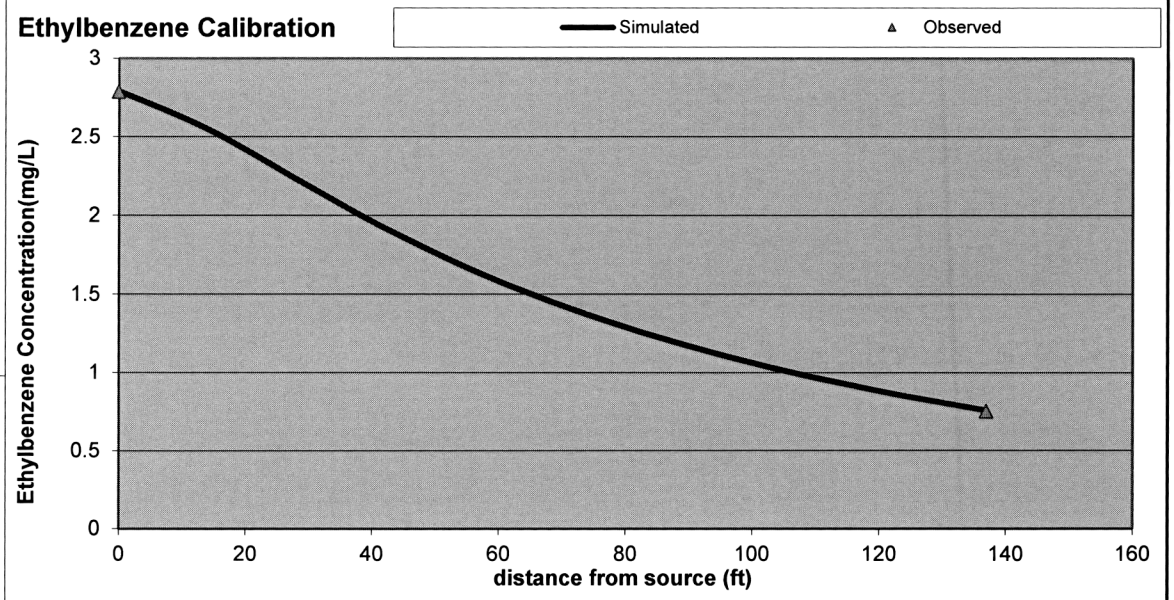
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.87	yrs	λ	0.79655	yr^{-1}
v_x	146.939	ft/yr			
R	1.170				
v_R	125.575	ft/yr	C_{source}	2.79	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	13.694	27.388	41.082	54.776	68.47	82.164	95.858	109.552	123.246	136.94
0	2.55602293	2.24678317	1.9383922	1.67213972	1.44902129	1.2622692	1.104988	0.971505	0.857373	0.75913
0	2.55602293	2.24678317	1.9383922	1.67213972	1.44902129	1.2622692	1.104988	0.971505	0.857373	0.75913
0	2.55602293	2.24678317	1.9383922	1.67213972	1.44902129	1.2622692	1.104988	0.971505	0.857373	0.75913
0	2.55602293	2.24678317	1.9383922	1.67213972	1.44902129	1.2622692	1.104988	0.971505	0.857373	0.75913
0	2.55602293	2.24678317	1.9383922	1.67213972	1.44902129	1.2622692	1.104988	0.971505	0.857373	0.75913

Naphthalene Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.921	0.921
13.694		0.859
27.388		0.769
41.082		0.675
54.776		0.593
68.47		0.523
82.164		0.464
95.858		0.413
109.55		0.370
123.25		0.332
136.94	0.299	0.299

Temporal Calibration Data

	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.921		0.921
4.3		0.921		0.921
8.6		0.921		0.921
12.9		0.921		0.921
17.2		0.921		0.921
21.5		0.921		0.921
25.8		0.921		0.921
30.1		0.921		0.921
34.4		0.921		0.921
38.7		0.921		0.921
43		0.921		0.921

Site ID 02261

Site Name Carolina Country Convenience

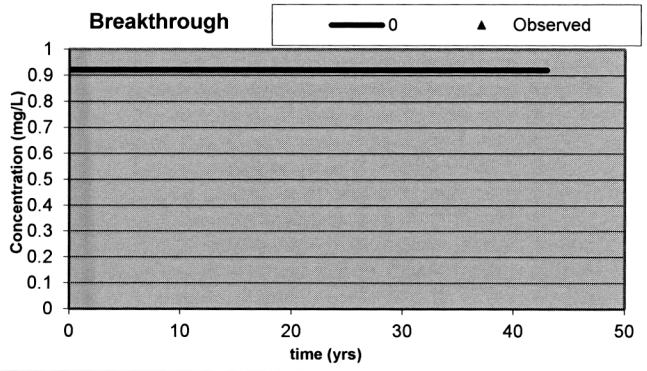
Model Calibration Parameters

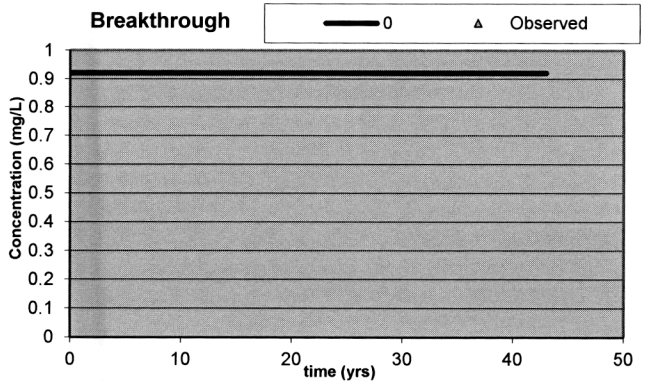
$t_{1/2}$	2.4	yrs
v_x	146.939	ft/yr
R	2.492	
v_R	58.975	ft/yr
L_p	195.39	ft
α_x	10.87761	ft
α_y	1.087761	ft
α_z	1E-99	ft

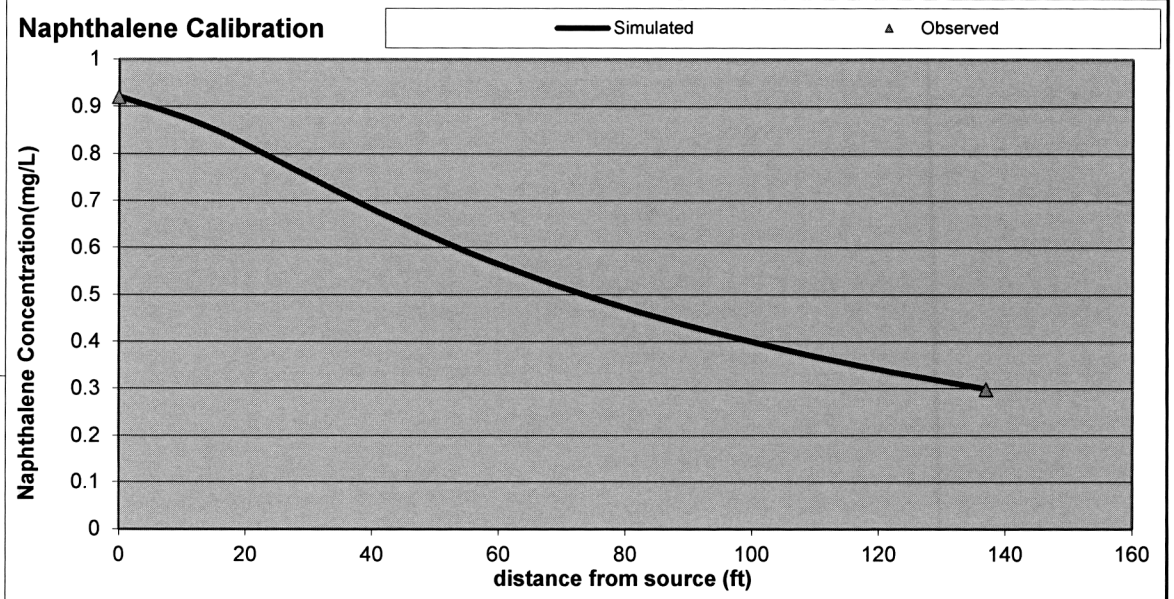
λ 0.28875 yr^{-1}

C_{source} 0.921 mg/L

t_{sim} 43 yrs







Source	13.694	27.388	41.082	54.776	68.47	82.164	95.858	109.552	123.246	136.94
0	0.85888546	0.76850508	0.67490448	0.59263637	0.52276389	0.4635514	0.413065	0.369676	0.332094	0.299311
0	0.85888546	0.76850508	0.67490448	0.59263637	0.52276389	0.4635514	0.413065	0.369676	0.332094	0.299311
0	0.85888546	0.76850508	0.67490448	0.59263637	0.52276389	0.4635514	0.413065	0.369676	0.332094	0.299311
0	0.85888546	0.76850508	0.67490448	0.59263637	0.52276389	0.4635514	0.413065	0.369676	0.332094	0.299311
0	0.85888546	0.76850508	0.67490448	0.59263637	0.52276389	0.4635514	0.413065	0.369676	0.332094	0.299311

EDB Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.0189	0.01890
13.694		0.01551
27.388		0.01221
41.082		0.00943
54.776		0.00729
68.47		0.00566
82.164		0.00441
95.858		0.00346
109.55		0.00272
123.25		0.00215
136.94	0.0017	0.00171

Temporal Calibration Data

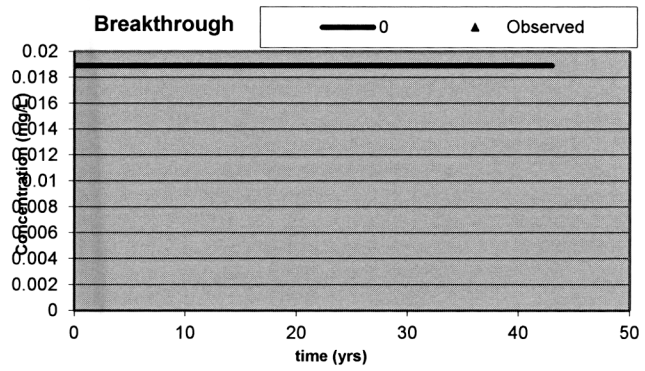
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.01890		0.01890
4.3		0.01890		0.01890
8.6		0.01890		0.01890
12.9		0.01890		0.01890
17.2		0.01890		0.01890
21.5		0.01890		0.01890
25.8		0.01890		0.01890
30.1		0.01890		0.01890
34.4		0.01890		0.01890
38.7		0.01890		0.01890
43		0.01890		0.01890

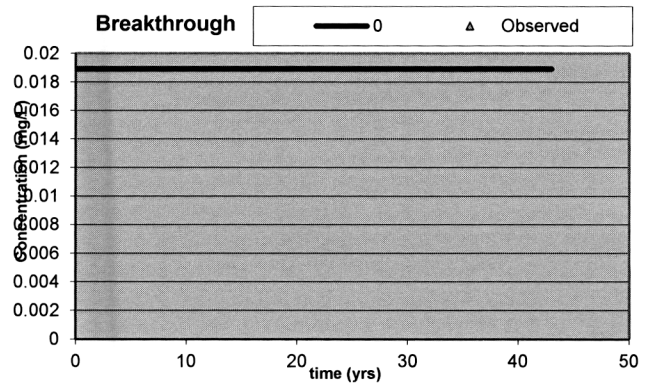
Site ID 02261

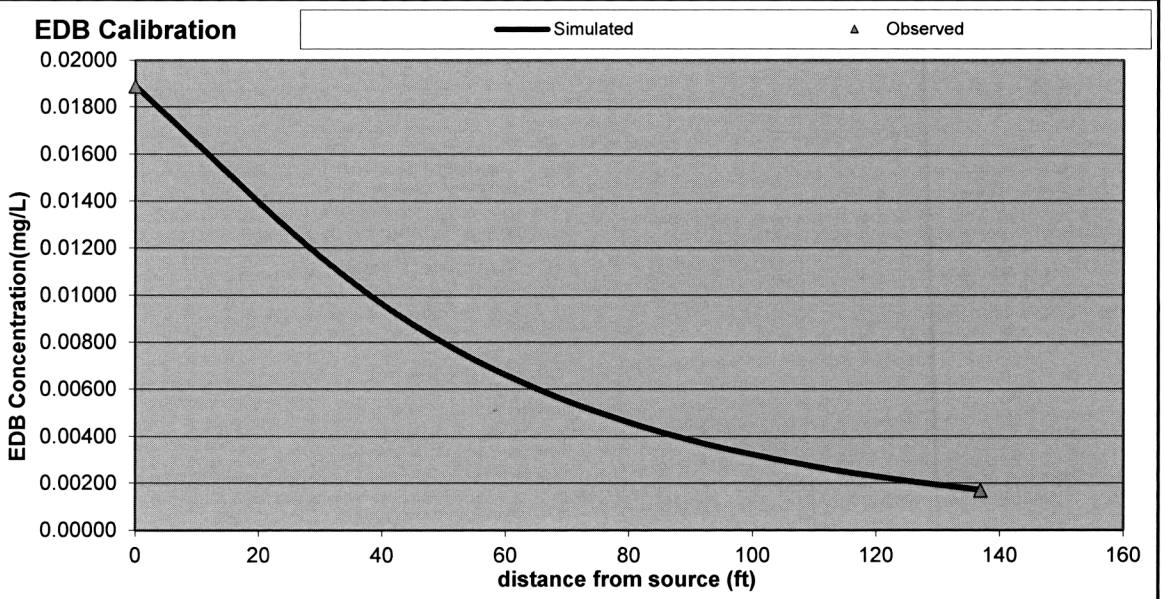
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	0.3	yrs	λ	2.31	yr^{-1}
v_x	146.939	ft/yr			
R	1.027				
v_R	143.067	ft/yr	C_{source}	0.0189	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	13.694	27.388	41.082	54.776	68.47	82.164	95.858	109.552	123.246	136.94
0	0.0155069	0.01220742	0.00943207	0.00728686	0.00565516	0.0044119	0.003459	0.002723	0.002153	0.001707
0	0.0155069	0.01220742	0.00943207	0.00728686	0.00565516	0.0044119	0.003459	0.002723	0.002153	0.001707
0	0.0155069	0.01220742	0.00943207	0.00728686	0.00565516	0.0044119	0.003459	0.002723	0.002153	0.001707
0	0.0155069	0.01220742	0.00943207	0.00728686	0.00565516	0.0044119	0.003459	0.002723	0.002153	0.001707
0	0.0155069	0.01220742	0.00943207	0.00728686	0.00565516	0.0044119	0.003459	0.002723	0.002153	0.001707

SSTLs t 1000 yrs

UST Permit # 02261
Site Name: Carolina Country Convenience

SSTLs in mg/L		RBSLs (mg/L):		0.005	1.000	0.700			0.025	0.00005	
MW #	x (ft)	y (ft)	z (ft)	Benzene SSTL	Toluene SSTL	Ethylbenzene SSTL			Naphthalene SSTL	EDB SSTL	
MW-28I	153.64	0	0	0.024	46.669	2.973			0.087	0.00073	
MW-29I	232.13	0	0	0.048	300.758	5.631			0.149	0.00261	
MW-30I	192.05	0	0	0.034	116.980	4.093			0.114	0.00137	
MW-31I	172.01	0	0	0.028	72.572	3.471			0.099	0.00099	
TW-4	146.96	0	0	0.022	39.706	2.807			0.083	0.00065	
TW-8	86.84	0	0	0.012	8.970	1.620			0.052	0.00023	
TW-9	98.53	0	0	0.014	12.046	1.813			0.057	0.00029	
			λ (yr^{-1}):	0.976	3.465	0.797			0.289	2.310	
			R:	1.078	1.129	1.170			2.492	1.027	
			Pure Substance Solubility:	1750	526	169			31	4321	
			Effective Solubility:	44.39	26.54	3.7			6.7	1.9	

Domenico Model

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 10/20/2023

Groundwater Flow Parameters

K	275	ft/yr
dh/dx	0.1157	
θeff	0.3	dec. %
v_x	106.0583333	ft/yr

Transport Parameters

x_{max}	118.57	ft
$y_{max/2}$		ft
z	0	ft
Source Width	30	ft
Source Thickness	20.8	ft
Plume Length	195.39	ft
α_x	10.8776128	ft
α_y	1.08776128	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene		81
Toluene		133
Ethylbenzene		176
Xylenes		639
Naphthalene		1543
MtBE	2.19	11
EDB		28
1,2-DCA	0.433	17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.078	98.36
Toluene	1.129	93.98
Ethylbenzene	1.170	90.64
Xylenes	1.618	65.56
Naphthalene	2.492	42.57
MtBE	1.011	104.94
EDB	1.027	103.26
1,2-DCA	1.017	104.29

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

MtBE Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	2.19	2.19
11.857		1.888
23.714		1.577
35.571		1.291
47.428		1.053
59.285		0.861
71.142		0.707
82.999		0.582
94.856		0.481
106.71		0.399
118.57	0.332	0.332

Temporal Calibration Data

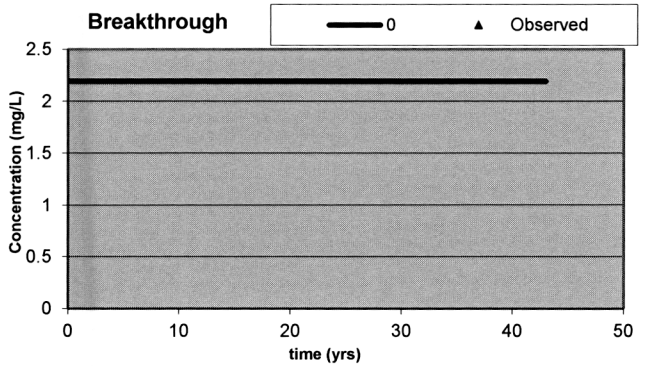
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		2.19		2.19
4.3		2.190		2.190
8.6		2.190		2.190
12.9		2.190		2.190
17.2		2.190		2.190
21.5		2.190		2.190
25.8		2.190		2.190
30.1		2.190		2.190
34.4		2.190		2.190
38.7		2.190		2.190
43		2.190		2.190

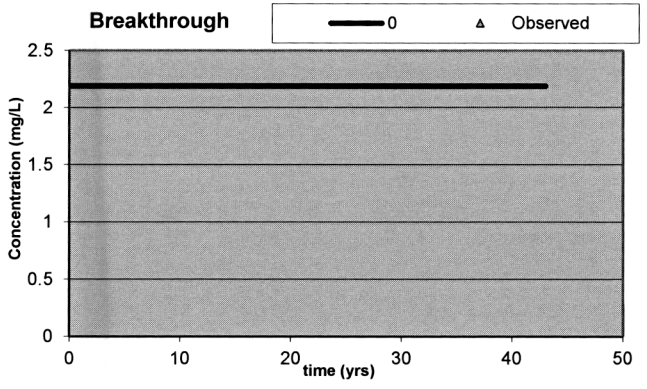
Site ID 02261

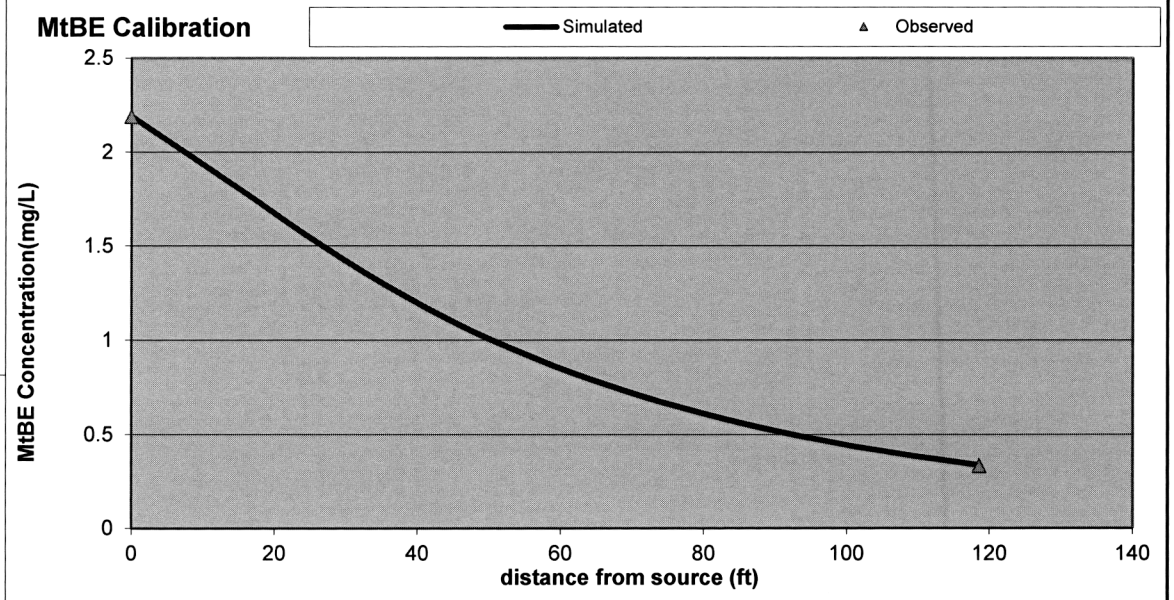
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	**0.47**	yrs	λ	1.47447	yr^{-1}
v_x	106.0583	ft/yr			
R	1.000				
v_R	106.058	ft/yr	C_{source}	2.19	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	11.857	23.714	35.571	47.428	59.285	71.142	82.999	94.856	106.713	118.57
0	1.8876208	1.57707391	1.2908404	1.05297161	0.8609028	0.7065288	0.582114	0.481362	0.399357	0.332287
0	1.8876208	1.57707391	1.2908404	1.05297161	0.8609028	0.7065288	0.582114	0.481362	0.399357	0.332287
0	1.8876208	1.57707391	1.2908404	1.05297161	0.8609028	0.7065288	0.582114	0.481362	0.399357	0.332287
0	1.8876208	1.57707391	1.2908404	1.05297161	0.8609028	0.7065288	0.582114	0.481362	0.399357	0.332287
0	1.8876208	1.57707391	1.2908404	1.05297161	0.8609028	0.7065288	0.582114	0.481362	0.399357	0.332287

1,2-DCA Calibration

Spatial Calibration Data

(centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.433	0.433
11.857		0.395
23.714		0.348
35.571		0.302
47.428		0.260
59.285		0.225
71.142		0.195
82.999		0.170
94.856		0.148
106.71		0.130
118.57	0.114	0.115

Temporal Calibration Data

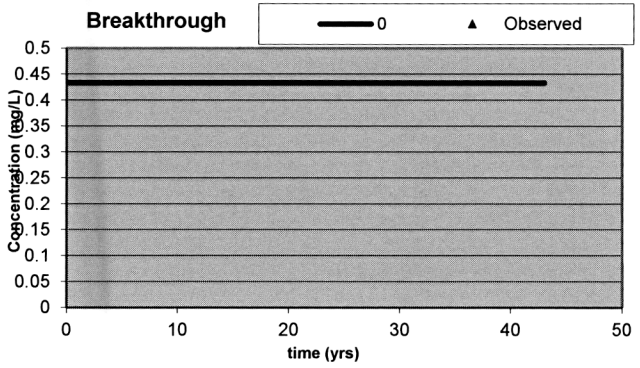
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		0.433		0.433
4.3		0.433		0.433
8.6		0.433		0.433
12.9		0.433		0.433
17.2		0.433		0.433
21.5		0.433		0.433
25.8		0.433		0.433
30.1		0.433		0.433
34.4		0.433		0.433
38.7		0.433		0.433
43		0.433		0.433

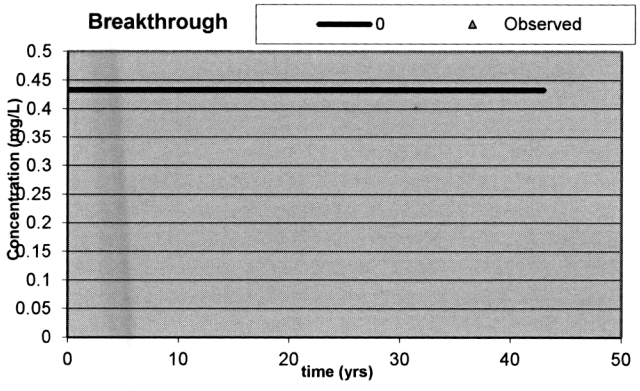
Site ID 02261

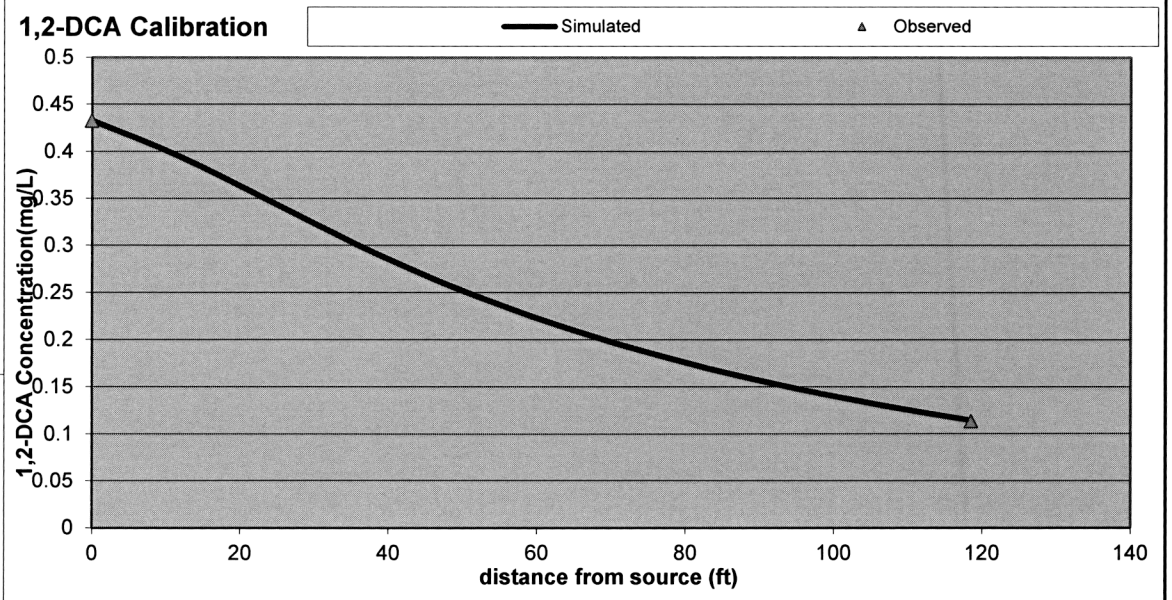
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	**0.81**	yrs	λ	0.85556	yr^{-1}
v_x	106.0583	ft/yr			
R	1.017				
v_R	104.294	ft/yr	C_{source}	0.433	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	11.857	23.714	35.571	47.428	59.285	71.142	82.999	94.856	106.713	118.57
0	0.3945441	0.34847358	0.30152781	0.26002104	0.22474134	0.1949825	0.169829	0.148461	0.130208	0.114532
0	0.3945441	0.34847358	0.30152781	0.26002104	0.22474134	0.1949825	0.169829	0.148461	0.130208	0.114532
0	0.3945441	0.34847358	0.30152781	0.26002104	0.22474134	0.1949825	0.169829	0.148461	0.130208	0.114532
0	0.3945441	0.34847358	0.30152781	0.26002104	0.22474134	0.1949825	0.169829	0.148461	0.130208	0.114532
0	0.3945441	0.34847358	0.30152781	0.26002104	0.22474134	0.1949825	0.169829	0.148461	0.130208	0.114532

UST Permit # 02261

SSTLs t 1000 yrs Site Name: Carolina Country Convenience

SSTLs in mg/L		RBSLs (mg/L):						0.040			0.005
MW #	x (ft)	y (ft)	z (ft)					MtBE SSTL			1,2-DCA SSTL
MW-28I	153.64	0	0					0.448			0.027
MW-29I	232.13	0	0					1.392			0.059
MW-30I	192.05	0	0					0.786			0.040
MW-31I	172.01	0	0					0.587			0.033
TW-4	146.96	0	0					0.405			0.025
TW-8	86.84	0	0					0.160			0.013
TW-9	98.53	0	0					0.193			0.015
			λ (yr^{-1}):					1.474			0.856
			R:					1.000			1.017
			Pure Substance Solubility:					5110			8520
			Effective Solubility:					173			3.7

Domenico Model (Oxygenates)

UST # 02261
Site Name: Carolina Country Convenience
Modeler: Stephanie Hackett
Date: 10/20/2023

Groundwater Flow Parameters

K	275	ft/yr
dh/dx	0.1157	
θ	0.3	dec. %
v_x	106.0583333	ft/yr

Transport Parameters

x_{max}	118.57	ft
y_{max}		ft
z	0	ft
Source Width	30	ft
Source Thickness	20.8	ft
Plume Length	195.39	ft
α_x	10.87761	ft
α_y	1.087761	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim} 43 yrs

Aquifer Characteristics

ρ_d	1.45	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
tBA	3.24	1
tAA	15.5	1
DIPE		1.5
tAME		1.5
EtBE		1.5
Ethanol		0.5

Retarded Velocity (ft/yr)

CoC	R	v_R
tBA	1.001	105.96
tAA	1.001	105.96
DIPE	1.001	105.90
tAME	1.001	105.90
EtBE	1.001	105.90
Ethanol	1.000	106.01

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x		ft
y		ft
z		ft

$$C(x,y,z,t) = \left(\frac{C_0}{8}\right)\exp\left[\left(\frac{x}{2\alpha_x}\right)\left(1-\sqrt{1+\frac{4\lambda\alpha_x}{v}}\right)\right] erfc\left[\frac{x-vt\sqrt{1+\frac{4\lambda\alpha_x}{v}}}{2\sqrt{\alpha_x vt}}\right]\left\{erf\left[\frac{y+\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]-erf\left[\frac{y-\frac{Y}{2}}{2\sqrt{\alpha_y x}}\right]\right\}\left\{erf\left[\frac{z+Z}{2\sqrt{\alpha_z x}}\right]-erf\left[\frac{z-Z}{2\sqrt{\alpha_z x}}\right]\right\}$$

tBA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	3.24	3.24
11.857		3.137
23.714		2.943
35.571		2.706
47.428		2.479
59.285		2.277
71.142		2.099
82.999		1.942
94.856		1.804
106.71		1.681
118.57	1.57	1.571

Temporal Calibration Data

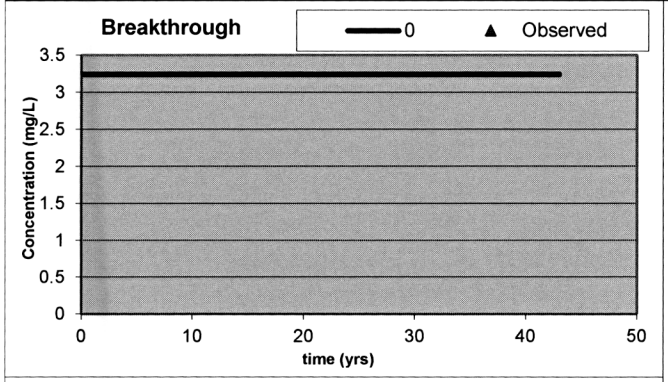
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	0 C_{obs} (mg/L)	0 C_{sim} (mg/L)
0		3.24		3.24
4.3		3.240		3.240
8.6		3.240		3.240
12.9		3.240		3.240
17.2		3.240		3.240
21.5		3.240		3.240
25.8		3.240		3.240
30.1		3.240		3.240
34.4		3.240		3.240
38.7		3.240		3.240
43		3.240		3.240

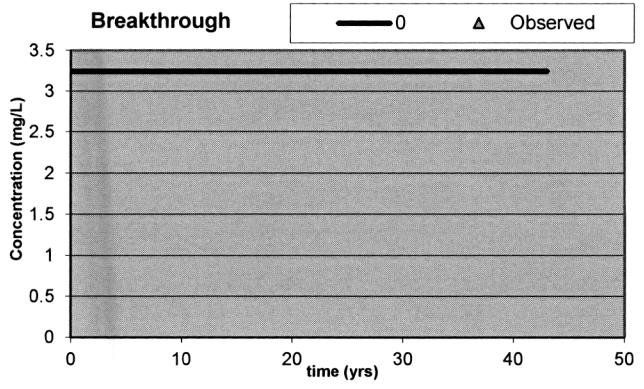
Site ID 02261

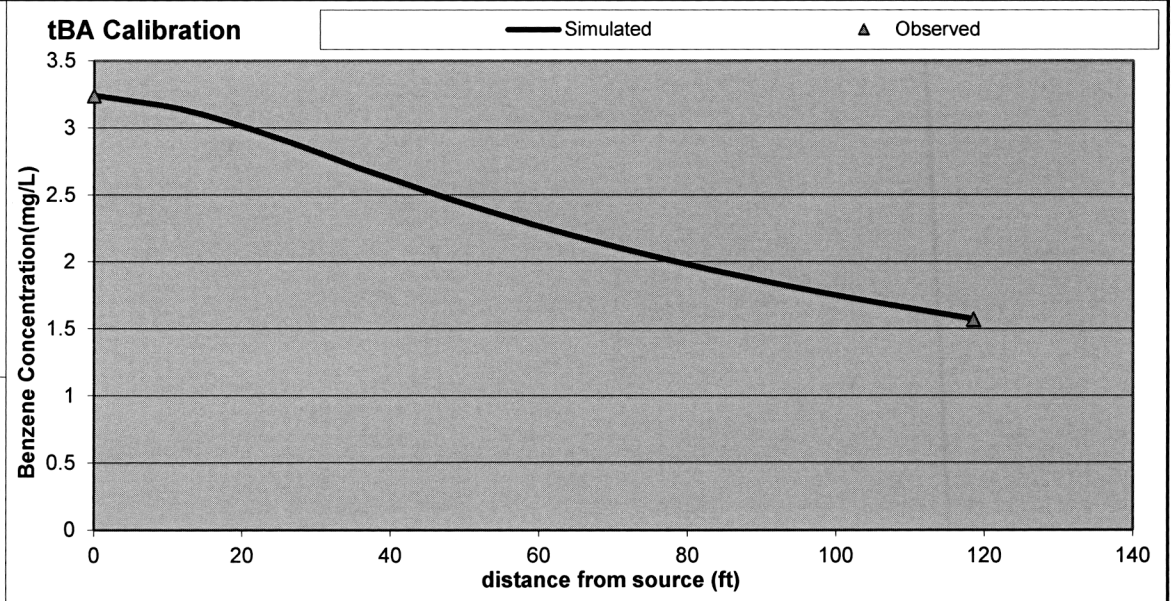
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	2.58	yrs	λ	0.2686	yr^{-1}
v_x	106.0583	ft/yr			
R	1.001				
v_R	105.956	ft/yr	C_{source}	3.24	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	11.857	23.714	35.571	47.428	59.285	71.142	82.999	94.856	106.713	118.57
0	3.13664353	2.94341823	2.70596387	2.47922318	2.27668318	2.0985913	1.942027	1.803719	1.680766	1.570759
0	3.13664353	2.94341823	2.70596387	2.47922318	2.27668318	2.0985913	1.942027	1.803719	1.680766	1.570759
0	3.13664353	2.94341823	2.70596387	2.47922318	2.27668318	2.0985913	1.942027	1.803719	1.680766	1.570759
0	3.13664353	2.94341823	2.70596387	2.47922318	2.27668318	2.0985913	1.942027	1.803719	1.680766	1.570759
0	3.13664353	2.94341823	2.70596387	2.47922318	2.27668318	2.0985913	1.942027	1.803719	1.680766	1.570759

tAA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	15.5	15.5
11.857		15.235
23.714		14.515
35.571		13.548
47.428		12.603
59.285		11.750
71.142		10.996
82.999		10.332
94.856		9.743
106.71		9.217
118.57	8.74	8.746

Temporal Calibration Data

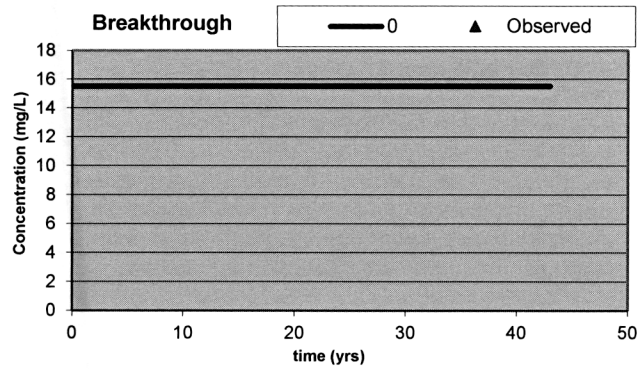
	0		0	
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
0		15.5		15.5
4.3		15.500		15.500
8.6		15.500		15.500
12.9		15.500		15.500
17.2		15.500		15.500
21.5		15.500		15.500
25.8		15.500		15.500
30.1		15.500		15.500
34.4		15.500		15.500
38.7		15.500		15.500
43		15.500		15.500

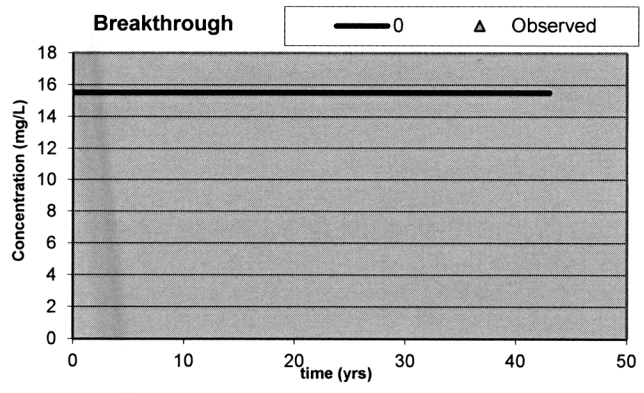
Site ID 02261

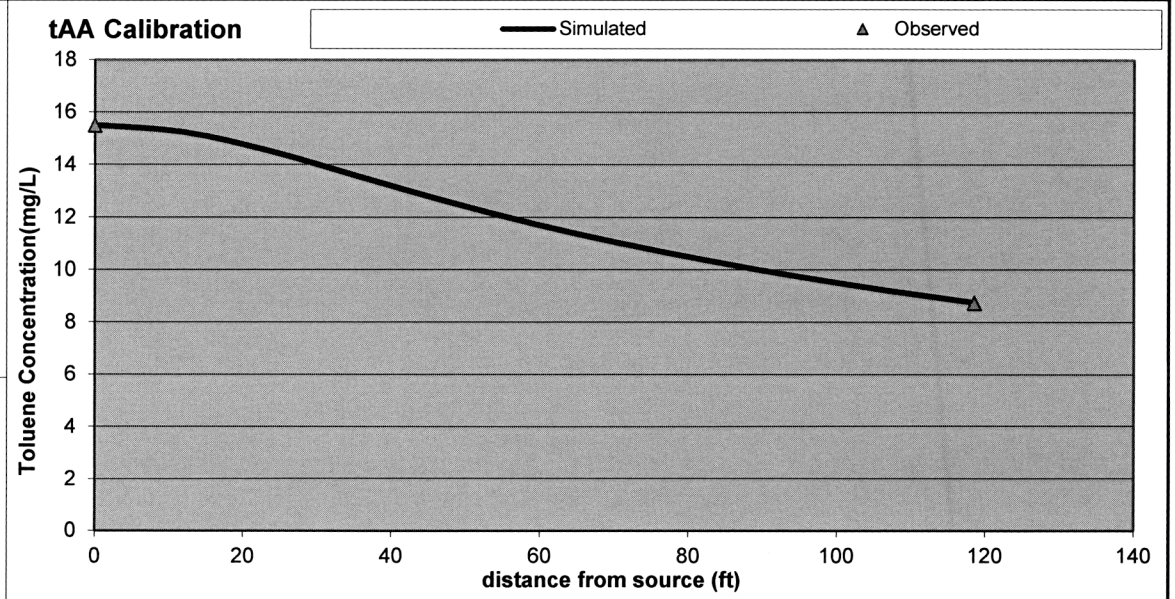
Site Name Carolina Country Convenience

Model Calibration Parameters

$t_{1/2}$	5.43	yrs	λ	0.12762	yr^{-1}
v_x	106.0583	ft/yr			
R	1.001				
v_R	105.956	ft/yr	C_{source}	15.5	mg/L
L_p	195.39	ft			
α_x	10.87761	ft	t_{sim}	43	yrs
α_y	1.087761	ft			
α_z	1E-99	ft			







Source	11.857	23.714	35.571	47.428	59.285	71.142	82.999	94.856	106.713	118.57
0	15.2349585	14.5150156	13.5480548	12.6025955	11.7499601	10.996414	10.33161	9.742512	9.217196	8.745618
0	15.2349585	14.5150156	13.5480548	12.6025955	11.7499601	10.996414	10.33161	9.742512	9.217196	8.745618
0	15.2349585	14.5150156	13.5480548	12.6025955	11.7499601	10.996414	10.33161	9.742512	9.217196	8.745618
0	15.2349585	14.5150156	13.5480548	12.6025955	11.7499601	10.996414	10.33161	9.742512	9.217196	8.745618
0	15.2349585	14.5150156	13.5480548	12.6025955	11.7499601	10.996414	10.33161	9.742512	9.217196	8.745618

SSTLs t 1000 yrs

UST Permit # 02261
Site Name: Carolina Cour

SSTLs in mg/L			RBSLs (mg/L):	1.400	0.240				
MW #	x (ft)	y (ft)	z (ft)	tBA SSTL	tAA SSTL				
MW-28I	153.64	0	0	3.479	0.490				
MW-29I	232.13	0	0	5.011	0.638				
MW-30I	192.05	0	0	4.189	0.562				
MW-31I	172.01	0	0	3.810	0.524				
TW-4	146.96	0	0	3.362	0.478				
TW-8	86.84	0	0	2.393	0.367				
TW-9	98.53	0	0	2.571	0.389				
			λ (yr^{-1}):	0.269	0.128				
			R:	1.001	1.001				

02261 Shallow model
11-10-23
S. Hackett

LEGEND

- PROPERTY BOUNDARY
- 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.

① 99TL created

② Model Parameters
Tsim = 43
Q = 1.45 (Tier I)
n = 0.3 (Tier II)
dh/dx = 0.014 (MW-28 MW-22
K = 10 ft/yr (Tier II)
K = 455 ft/yr (model)
source depth = 116.7 ft (MW-1)
source width = 30 (assumed)
Plume

③ Calibration line for BM+EDB+DCA+TAME
MW-88-MW-35 = 1167

④ Calibration line for TXN
MW-89-MW-35 = 2418.839

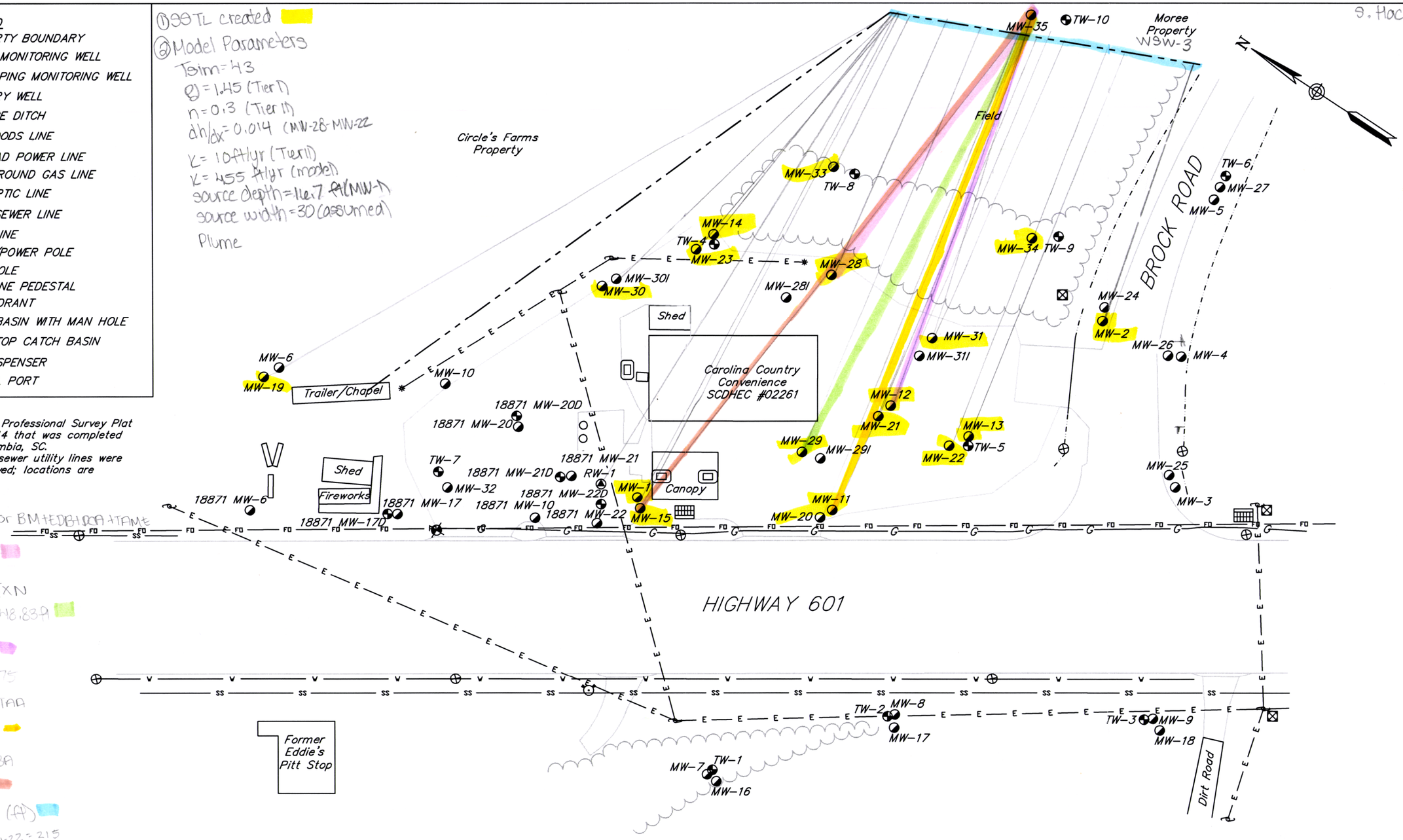
⑤ Calibration line for E:
MW-10-MW-35 = 808.75

⑥ Calibration line for TAA
MW-11-MW-35 = 268.87

⑦ Calibration line for TBA
MW-15-MW-35 = 317.3

⑧ Distance to receptor (ft)

MW-1 = 277
MW-2 = 1310
MW-11 = 258
MW-12 = 200
MW-13 = 808
MW-14 = 141
MW-15 = 282
MW-19 = 365
MW-20 = 263
MW-21 = 205
MW-22 = 215
MW-23 = 151
MW-28 = 138
MW-29 = 215
MW-30 = 192
MW-31 = 163
MW-33 = 83
MW-34 = 103
RW-1 = 277



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

Geological Resources, Inc.

SITE MAP

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	11/19/19	Drawn by:	DTH	Figure:	3

COPY

Geological Resources, Inc.

March 26, 2024

UST
72
DOCKETING

Mr. Jake Niles
SCDHEC
UST Management Division
Bureau of Land & Waste Management
2600 Bull Street
Columbia, SC 29201

Re: Ground Water Monitoring Report
February 2024
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
South Carolina
UST Permit Number: 02261
GRI Project Number: 3289

RECEIVED
APR 01 2024
UST DIVISION

Dear Mr. Niles,

Please find enclosed the referenced report for the abovementioned site.
If you have any questions, please do not hesitate to contact Ashleigh Thrash at (704) 845-4010.

Sincerely,
Geological Resources, Inc.

Christa Benton
Administrative Assistant

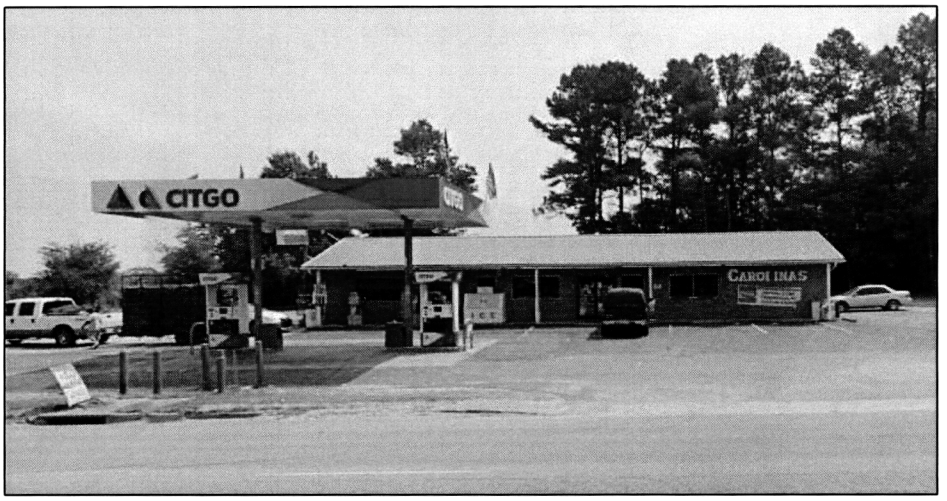
Enclosure

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

Geological Resources, Inc.

Ground Water Monitoring Report
February 2024
Carolina Country Convenience
1908 Highway 601 North
Pageland, Chesterfield County
South Carolina
UST Permit Number: 02261
GRI Project Number: 3289



Prepared for:

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

March 25, 2024

ASHLEIGH THRASH
REGISTERED
No. 2733
SOUTH CAROLINA
PROFESSIONAL GEOLOGIST

Kyle Perry
Report Writer

Ashleigh Thrash, P.G.
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113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012
Class 1 UST Site Rehabilitation Contractor #74

ACRONYMS

ACM: Asbestos Containing Materials

AFVR: Aggressive Fluid-Vapor Recovery

AS: Air Sparging

AST: Aboveground Storage Tank

ASTM: American Society for Testing and Materials

BGS: Below Ground Surface

BLWM: Bureau of Land and Waste Management

CAP: Corrective Action Plan

CFR: Code of Federal Regulations

COC: Chain of Custody

CoC: Chemical of Concern

DPE: Dual Phase Extraction

DRO: Total Petroleum Hydrocarbons Diesel Range Organics

EPA: Environmental Protection Agency

ER: Engineering Report

ESA: Environmental Site Assessment

GC: Gas Chromatograph

GRI: Geological Resources, Inc.

GRO: Total Petroleum Hydrocarbons Gasoline Range Organics

IGWA: Initial Ground Water Assessment

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

MNA: Monitored Natural Attenuation

NAPL: Non-Aqueous Phase Liquid, "Free Product"

NPDES: National Pollutant Discharge Elimination System

OVA: Organic Vapor Analyzer

PAHs: Polynuclear Aromatic Hydrocarbons

QA: Quality Assurance

QAPP: Quality Assurance Project Plan

QC: Quality Control

QMP: Quality Management Plan

RBSL: Risk-Based Screening Level

SCDHEC: South Carolina Department of Health and Environmental Control

SCDOT: South Carolina Department of Transportation

SOP: Standard Operating Procedure

SPCC: Spill Prevention Control and Countermeasures

SSTL: Site Specific Target Level

SSWP: Site Specific Work Plan

SVE: Soil Vapor Extraction

SVOCs: Semi-Volatile Organic Compounds

SWPPP: Stormwater Pollution Prevention Plan

TCLP: Toxicity Characteristic Leaching Procedure (EPA Method SW-846 1311)

TOC: Top of Casing

TPH: Total Petroleum Hydrocarbons

USGS: United States Geological Survey

UST: Underground Storage Tank

UVF: Ultraviolet Fluorescence

VOCs: Volatile Organic Compounds

TABLE OF CONTENTS

1. INTRODUCTION 1
1.1 Project Background 1
1.2 Regional Geology/Hydrogeology 2
2. SITE INFORMATION 3
3. ASSESSMENT INFORMATION 3
3.1 Site Geology/Hydrogeology 3
3.2 Ground Water Quality 5
4. QA/QC 7
5. CONCLUSIONS AND RECOMMENDATIONS 8
6. LIMITATIONS 8

FIGURES

Figure 1: Site Location Map
Figure 2: Site Vicinity Map
Figure 3: Site Map
Figure 4: Water Table Surface Map
Figure 5: Potentiometric Surface Map – Intermediate Wells
Figure 6: Potentiometric Surface Map – Deep Wells
Figure 7: Ground Water Quality Map – Shallow Wells
Figure 8: Ground Water Quality Map – Intermediate Wells
Figure 9: Ground Water Quality Map – Telescoping Wells

TABLES

Table 1: Summary of Ground Water Elevation Data
Table 2: Summary of Laboratory Analytical Results – Ground Water Samples – Chemicals of Concern
Table 3: Summary of Laboratory Analytical Results – Ground Water Samples – Oxygenates

APPENDICES

Appendix A: Laboratory Analytical Report - Ground Water Samples
Appendix B: Field Data Information Sheets
Appendix C: Purge Water Disposal Manifest
Appendix D: Contractor Checklist

1. INTRODUCTION

1.1 Project Background

This report presents the results of ground water sampling activities conducted in February 2024 at the Carolina Country Convenience site, located at 1908 Highway 601 North in Pageland, Chesterfield County, South Carolina. A topographic map showing the general location of the subject property and the surrounding area is included as **Figure 1**. The activities were conducted in accordance with the "Site-Specific Work Plan Approval and Groundwater Sampling Notice to Proceed," dated January 4, 2024, 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 currently contains an active petroleum retail facility and convenience store. Adjacent properties are currently used for residential, agricultural, and limited commercial purposes.

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 (#2) 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, laboratory analyses of soil and groundwater samples reported levels of COCs above the RBSLs.

Between May and November 2014, Tier II activities were conducted at the site. During Tier II activities, soil boring and temporary monitoring wells were installed in order to define the extent of the soil and groundwater contamination. Based on the field screening results, thirteen additional Type III monitoring wells and five telescoping wells were installed at the site. Ground water samples were collected from the onsite monitoring wells and submitted for laboratory analyses. Concentrations of requested method constituents that exceeded the RBSLs were reported in the groundwater samples collected. Based on the results of the Tier II activities, it was determined that the contaminant plume was not fully delineated.

Between April 2015 and August 2019, multiple monitoring well installation activities were conducted at the site in an attempt to delineate the contaminant plume, both horizontally and vertically.

To date, seventeen (17) shallow monitoring wells, eighteen (18) intermediate monitoring wells, and fourteen (14) deep monitoring wells have been installed at the site.

Public water is available to and used by many of the residential and commercial properties in the area, however, three water supply wells (PW-1 through PW-3) were identified within a 1,000-foot radius of the source area. PW-1 is currently out-of-service and located within a locked, fenced area at the former Eddies Pitt Stop site. PW-2 is not in service and the residence where the well is located is using municipal water. PW-3 is currently used as a source of potable water. One surface water body, a farm pond, is located approximately 915 feet to the southwest of the source area. No underground structures were identified within 1,000 feet of the site. Underground utilities (water and sewer lines) are located along Highway 601 on the west side of the site. Fiber optic lines are also located along Highway 601 and on the western edge of the site. A Site Vicinity Map showing the locations of the water supply wells and the

surface water body is included as **Figure 2**. The last comprehensive ground water sampling event conducted at the site occurred in September 2022. Contaminants of concern (COCs) above their respective risk-based screening levels (RBSLs) and/or action levels have been reported in several monitoring wells at the site.

This report summarizes the February 2024 ground water monitoring results.

1.2 Regional Geology/Hydrogeology

The site is located in Chesterfield County in the Carolina Terrane of meta-volcanic and meta-sedimentary rocks. Locally, the Carolina Terrane consists of intermediate to felsic pyroclastic rocks that are collectively greater than 3 km thick, possibly a sequence of ashflow tuffs deposited in a sub-aerial environment. The upper part is predominantly meta-sedimentary clastic rocks. The hydrology in the Carolina Terrane can be complex with unconfined, confined, and semi-confined aquifers.

2. SITE INFORMATION

- **Site Identification**
  - Site Name: Carolina Country Convenience
  - Location of Source Area: 1908 Highway 601 North
    Pageland, SC 29728
    Chesterfield County
    34.7940878°N, 80.4035483°W (Topographical Map)
  - UST Permit Number: 02261
  - Land Use: Commercial

- **Information about Contacts Associated with the Leaking UST System**

UST/AST Owner
Abdul Almontaser
701 S Pearl St
Pageland, SC 29728
(704) 338-2968
abdul05mailik@yahoo.com

Property Owner
Abdul Almontaser
701 S Pearl St
Pageland, SC 29728
(704) 338-2968
abdul05mailik@yahoo.com

Analytical Laboratory
Waypoint Analytical, LLC
449 Springbrook Road
Charlotte, NC 28217
State Certification No. 402
(704) 529-0409

UST/AST Operator
Abdul Almontaser
701 S Pearl St
Pageland, SC 29728
(704) 338-2968
abdul05mailik@yahoo.com

Site Rehabilitation Contractor
Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110
704-845-4010
Class 1, Certification Number 74

- **Information about Release**
  - Release was discovered October 11, 2012
  - An unknown amount of product was released from a leaking UST system
  - One 10,000-gallon regular gasoline UST, one 6,000-gallon regular gasoline UST, and one 6,000-gallon premium gasoline UST are currently in use at the site.

3. ASSESSMENT INFORMATION

3.1 Site Geology/Hydrogeology

Based on the data obtained during previous subsurface investigations, the site and the immediate vicinity are underlain by various silts, clays and sands which represent the weathered products of the underlying metamorphic rocks. These materials grade into more competent bedrock at depths ranging from approximately 30 to 45 feet below ground surface.

Thirty-five (35) Type III shallow and intermediate monitoring wells (MW-1, through MW-10, MW-12, through MW-14, MW-16 through MW-19, MW-21, MW-22, MW-24 through MW-35, and MW-28I through MW-31I) and nine Type III telescoping monitoring wells (TW-1 through TW-6, TW-8, TW-9, and TW-10) were gauged, purged, and/or sampled on February 21 and February 22, 2024. Monitoring wells MW-11 and MW-20 and telescoping well TW-7 are suspected to have been paved over during reconstruction at the site. Monitoring well MW-15 could not be located and was not sampled. Monitoring well MW-23 was gauged, but was damaged, and was unable to be sampled. The remaining monitoring wells and telescoping wells were purged using dedicated polyethylene bailers prior to sampling and the

samples were subsequently submitted for laboratory analysis of VOCs by EPA Method 8260D and EDB by EPA Method 8011. The water supply well PW-3 was also sampled during the activities and the samples were submitted for laboratory analyses of VOCs by EPA Method 524.2, oxygenates by EPA Method 8260D, and EDB by EPA Method 504.1.

Based on the depth of the monitoring well screen intervals, the wells were classified as shallow, intermediate, or deep. The depths to ground water in the shallow monitoring wells at the site, measured on February 21, 2024, ranged from 10.21 feet to 31.10 feet below the top of casings. Ground water elevations in the shallow monitoring wells relative to a GPS measured benchmark ranged from 78.85 to 88.51 feet. The shallow horizontal hydraulic gradient across the site was approximately 0.023 feet/foot to the southeast. Depths to ground water in the intermediate monitoring wells ranged from 9.89 to 40.61 feet. Ground water elevations in the intermediate monitoring wells ranged from 78.28 to 91.04 feet. The intermediate horizontal hydraulic gradient across the site was approximately 0.03 feet/foot southeast. Depths to ground water in the deep monitoring wells ranged from 16.71 to 40.67 feet. Ground water elevations in the deep monitoring wells (Type II and telescoping) ranged from 77.80 to 80.43 feet. The deep horizontal hydraulic gradient across the site was approximately 0.006 feet/foot to the east.

The vertical hydraulic gradients for the shallow and deep well pairs MW-16/TW-1, MW-17/TW-2, MW-18/TW-3, MW-22/TW-5, and MW-26/TW-6 are 0.033 feet/foot downward, 0.121 feet/foot downward, 0.036 feet/foot upward, 0.001 feet/foot downward, and 0.028 feet/foot downward, respectively. The vertical hydraulic gradients for intermediate and deep wells pairs MW-7/TW-1, MW-8/TW-2, MW-9/TW-3, MW-14/TW-4, MW-13/TW-5, MW-5/TW-6, MW-33/TW-8, MW-34/TW-9, and MW-35/TW-10 are 0.018 feet/foot downward, 0.093 feet/foot downward, 0.005 feet/foot downward, 0.008 feet/foot upward, 0.002 feet/foot downward, 0.007 feet/foot downward, 0.011 feet/foot upward, 0.010 feet/foot upward, and 0.019 feet/foot downward, respectively. A Site Map showing the locations of the monitoring wells and the structures on-site is included as **Figure 3**. A water table surface map is included as **Figure 4**. Intermediate well and telescoping well potentiometric surface maps are included as **Figure 5** and **Figure 6**, respectively. A summary of ground water gauging data for the February 2024 sampling event is presented in **Table 1**. A summary of the February 2024 gauging data is shown below:

Well No.	**Top of Casing Elevation** (ft)	**Depth to Ground Water** (ft)	**Ground Water Elevation** (ft)	**Constructed Well Depth** (ft)	**Screened Interval** (ft)
MW-1	101.09	19.60	81.49	35	25-35
MW-2	105.45	26.07	79.38	42	37-42
MW-3	102.34	22.27	80.07	42	37-42
MW-4	103.89	23.85	80.04	42	37-42
MW-5	109.60	30.34	79.26	42	37-42
MW-6	100.93	9.89	91.04	35	30-35
MW-7	96.55	15.87	80.68	30	25-30
MW-8	97.79	13.95	83.84	30	25-30
MW-9	101.45	20.85	80.60	30	25-30
MW-10	102.08	17.16	84.92	35	30-35
MW-11	101.41	NM	NM	35	30-35

Well No.	Top of Casing Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
MW-12	103.43	23.41	80.02	35	30-35
MW-13	102.12	22.08	80.04	35	30-35
MW-14	104.11	24.54	79.57	35	30-35
MW-15	101.01	NM	NM	25	15-25
MW-16	93.76	12.51	81.25	25	15-25
MW-17	95.32	10.21	85.11	25	15-25
MW-18	97.70	18.40	79.30	24	14-24
MW-19	100.86	12.35	88.51	30	15-30
MW-20	101.50	NM	NM	30	15-30
MW-21	103.41	23.54	79.87	30	15-30
MW-22	102.01	22.01	80.00	30	15-30
MW-23	103.98	23.17	80.81	30	15-30
MW-24	105.46	26.11	79.35	37	12-37
MW-25	102.33	22.19	80.14	37	12-37
MW-26	103.87	23.85	80.02	37	12-37
MW-27	109.95	31.10	78.85	37	12-37
MW-28	104.81	25.21	79.60	30	15-30
MW-29	102.75	22.48	80.27	30	15-30
MW-30	103.35	22.85	80.50	30	15-30
MW-31	103.48	24.11	79.37	30	15-30
MW-32	99.99	10.28	89.71	35	20-35
MW-33	113.97	34.83	79.14	40	20-40
MW-34	115.98	37.31	78.67	50	30-50
MW-35	118.89	40.61	78.28	50	30-50
MW-28I	104.27	24.27	80.00	56	51-56
MW-29I	102.70	23.39	79.31	56	51-56
MW-30I	103.28	23.51	79.77	56	51-56
MW-31I	103.48	23.62	79.86	56	51-56
TW-1	96.74	16.75	79.99	56	51-56
TW-2	96.76	16.71	80.05	56	51-56
TW-3	101.30	20.87	80.43	56	51-56
TW-4	104.00	24.17	79.83	61	56-61
TW-5	102.09	22.11	79.98	61	56-61
TW-6	110.32	31.29	79.03	68	63-68
TW-7	100.01	79.99	NM	61	56-61
TW-8	113.63	34.14	79.49	68	63-68
TW-9	115.72	36.76	78.96	68	63-68
TW-10	118.47	40.67	77.80	68	63-68

3.2 Ground Water Quality

Field readings (pH, specific conductivity, temperature, dissolved oxygen, and turbidity) were collected from the purged wells after each well volume was removed and recorded on field data information sheets. Ground water samples collected from the monitoring wells were analyzed for the following compounds: BTEX, MTBE, naphthalene, 1,2-DCA and 8 oxygenates by EPA Method 8260D, and EDB by EPA Method 8011. The ground water samples collected from the water supply well PW-3 were submitted for laboratory analyses of VOCs by EPA Method 524.2, oxygenates by EPA Method 8260D, and EDB by EPA Method 504.1. It should be noted that due to a sample log in error at the laboratory that completed the

analyses, the samples collected from monitoring well TW-6 were not analyzed by EPA Method 8011. EDB results for that well were reported from the EPA Method 8260D analyses.

Concentrations of requested method constituents that exceeded the RBSLs were reported in the ground water samples collected from MW-1, MW-12, MW-13, MW-14, MW-21, MW-22, MW-28 through MW-31, MW-33, MW-28I through MW-31I, TW-4, and TW-8. Concentrations of oxygenates TAA and/or TBA that exceeded the action levels were reported in ground water samples MW-1, MW-12, MW-13, MW-14, MW-21, MW-22, MW-28 through MW-31, MW-33, MW-28I through MW-31I, TW-4, and TW-8. No detectable contaminant concentrations were reported in the water supply well sample (PW-3). A summary of the February 2024 ground water sampling data is shown below:

Well No.	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	LEAD
RBSL (µg/l)	**5**	**1,000**	**700**	**10,000**	**40**	**25**	**5**	**0.05**	**15**
MW-1	**14,600**	558	**1,190**	5,840	**1,220**	**257**	**463**	**19.9**	NR
MW-2	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
MW-3	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00574	NR
MW-4	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00580	NR
MW-5	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00571	NR
MW-6	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00582	NR
MW-7	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00571	NR
MW-8	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
MW-9	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00582	NR
MW-10	0.491 J	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00571	NR
MW-11	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	**13,100**	401	**2,380**	6,510	**296**	**567**	**248**	<0.00582	NR
MW-13	**2,080**	63.7	642	1,990	<14.0	**270**	<15.0	**0.479**	NR
MW-14	**3,250**	**3,160**	341	3,750	**88.3**	**196**	**97.4**	**25**	NR
MW-15	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00580	NR
MW-17	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00588	NR
MW-18	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00594	NR
MW-19	0.209 J	<0.220	<0.170	0.216 J	<0.140	<0.470	<0.150	<0.00574	NR
MW-20	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-21	**16,300**	504	**2,440**	7,820	**572**	**651**	**384**	**10.8**	NR
MW-22	**5,430**	183	**2,760**	5,110	29.5 J	**797**	**46.0 J**	**0.756**	NR
MW-23	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
MW-25	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00566	NR
MW-26	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00568	NR
MW-27	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00568	NR
MW-28	**17,300**	**1,460**	**1,180**	6,230	**4,510**	**423**	**1,100**	**62.5**	NR
MW-29	**6,330**	425	**2,940**	9,920	**110**	**654**	**75.0**	**2.32**	NR
MW-30	**305**	166	**1,330**	3,610	<14.0	**275**	<15.0	**0.0136 JQ**	NR
MW-31	**16,400**	**2,390**	**1,350**	9,730	**490**	**450**	**422**	**55.7**	NR

Well No.	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Naphthalene	1,2-DCA	EDB	LEAD
MW-32	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00574	NR
MW-33	**620**	<22.0	69.1	173 J	**199**	**207**	**78.5**	**0.493**	NR
MW-34	<0.180	<0.220	<0.170	<0.210	0.876	<0.470	<0.150	<0.00566	NR
MW-35	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00566	NR
MW-28I	**6,960**	114	481	669	**1,200**	<47.0	**258**	**0.0937**	NR
MW-29I	**1,950**	<22.0	364	216	**74.9**	<47.0	<15.0	**0.0254 Q**	NR
MW-30I	**7,330**	240	**1,240**	3,200	**400**	**342**	**117**	**0.460**	NR
MW-31I	**1,220**	31.4 J	186	415	**236**	<47.0	<15.0	**0.131 Q**	NR
TW-1	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
TW-2	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00594	NR
TW-3	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00580	NR
TW-4	**5,950**	59.5	537	358	**1,340**	<47.0	**250**	**0.0870**	NR
TW-5	<0.180	<0.220	<0.170	<0.210	3.55	<0.470	0.751	<0.00582	NR
TW-6	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.200	NR
TW-7	NS	NS	NS	NS	NS	NS	NS	NS	NS
TW-8	**195**	3.26	27.6	3.79	**542**	8.96	**80.3**	<0.00588	NR
TW-9	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00588	NR
TW-10	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00588	NR
PW-3	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.0055	NR
SW-1	NS	NS	NS	NS	NS	NS	NS	NS	NS

Ground water quality maps for the shallow, intermediate, and deep wells based on data from the February 2024 sampling event are included as **Figure 7**, **Figure 8**, and **Figure 9**, respectively. Summaries of ground water analytical results are presented in **Table 2** and **Table 3**. A complete laboratory analytical report is included as **Appendix A**. Field Data Information Sheets are attached as **Appendix B**. A disposal manifest for the purge water generated during the sampling event is included as **Appendix C**.

4. QA/QC

Monitoring well gauging, purging and sampling was conducted in general accordance with the SCDHEC UST QAPP and the approved site-specific Contractor Addendum. All wells were purged and sampled with dedicated disposable bailers. All field measurement equipment was properly decontaminated between sampling locations. Duplicate samples from monitoring wells MW-1 (DUP-1), MW-14 (DUP-B), and MW-21 (DUP-C) and field blanks were collected during the sampling activities. A laboratory provided trip blank was included in the sample cooler. Laboratory results for each sample and their respective duplicate sample showed the same compounds at similar concentrations. No detectable concentrations of requested method constituents were reported in the field blanks or trip blank. A duplicate sample from water supply well PW-3 (DUP-D) was collected during the sampling activities. A water supply well field blank was also collected. A laboratory provided water supply well trip blank was included in the sample cooler. No other detectable concentrations of target analytes were reported for the water supply well sample, the duplicate, the trip blank, or the field blank. All applicable items on the Contractor Checklist were reviewed and verified. A copy of the Contractor Checklist is included as **Appendix D**.

5. CONCLUSIONS AND RECOMMENDATIONS

- Thirty-five (35) Type III shallow and intermediate monitoring wells and (9) Type III telescoping monitoring were gauged, purged, and/or sampled on February 21 and February 22, 2024.
- Ground water elevations in the shallow monitoring wells relative to a GPS measured benchmark ranged from 78.85 to 88.51 feet. The shallow horizontal hydraulic gradient across the site was approximately 0.023 feet/foot to the southeast.
- Ground water elevations in the intermediate monitoring wells ranged from 78.28 to 91.04 feet. The intermediate horizontal hydraulic gradient across the site was approximately 0.03 feet/foot southeast.
- Ground water elevations in the deep monitoring wells (Type II and telescoping) ranged from 77.80 to 80.43 feet. The deep horizontal hydraulic gradient across the site was approximately 0.006 feet/foot to the east.
- The vertical hydraulic gradients for the shallow and deep well pairs MW-16/TW-1, MW-17/TW-2, MW-18/TW-3, MW-22/TW-5, and MW-26/TW-6 are 0.033 feet/foot downward, 0.121 feet/foot downward, 0.036 feet/foot upward, 0.001 feet/foot downward, and 0.028 feet/foot downward, respectively.
- The vertical hydraulic gradients for intermediate and deep wells pairs MW-7/TW-1, MW-8/TW-2, MW-9/TW-3, MW-14/TW-4, MW-13/TW-5, MW-5/TW-6, MW-33/TW-8, MW-34/TW-9, and MW-35/TW-10 are 0.018 feet/foot downward, 0.093 feet/foot downward, 0.005 feet/foot downward, 0.008 feet/foot upward, 0.002 feet/foot downward, 0.007 feet/foot downward, 0.011 feet/foot upward, 0.010 feet/foot upward, and 0.019 feet/foot downward, respectively.
- Concentrations of requested method constituents that exceeded the RBSLs were reported in the ground water samples collected from MW-1, MW-12, throughMW-14, MW-21, MW-22, MW-28 through MW-31, MW-33, MW-28I through MW-31I, TW-4, and TW-8.
- Concentrations of oxygenates TAA and/or TBA that exceeded the action levels were reported in ground water samples MW-1, MW-12, through MW-14, MW-21, MW-22, MW-28 through MW-31, MW-33, MW-28I through MW-31I, TW-4, and TW-8.
- No detectable contaminant concentrations were reported in the water supply well sample collected from PW-3.
- GRI makes the following recommendations:
- SSTLs should be developed for the site so that GRI can understand clean-up goals for the release.
- Based on the reported laboratory data and the presence of nearby potable water supply well PW-3, ground water sampling events should continue at the site as directed by SCDHEC.

6. LIMITATIONS

This report has been prepared for the exclusive use of Carolina Country, LLC and the SCDHEC for specific application to the referenced site in Chesterfield County, South Carolina. The assessment was 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.

FIGURES

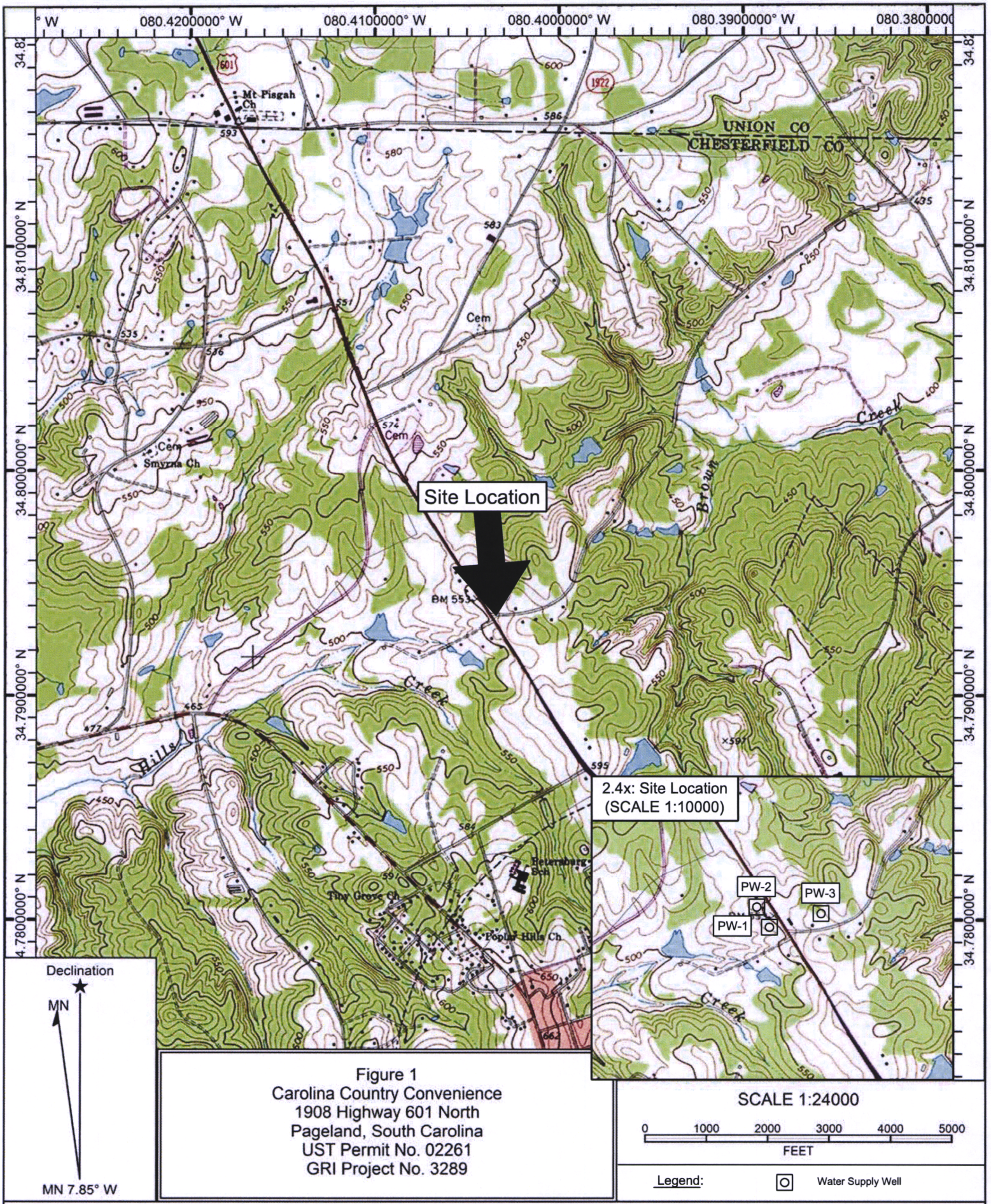


Figure 1
Carolina Country Convenience
1908 Highway 601 North
Pageland, South Carolina
UST Permit No. 02261
GRI Project No. 3289

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

SITE

PW-3

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

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

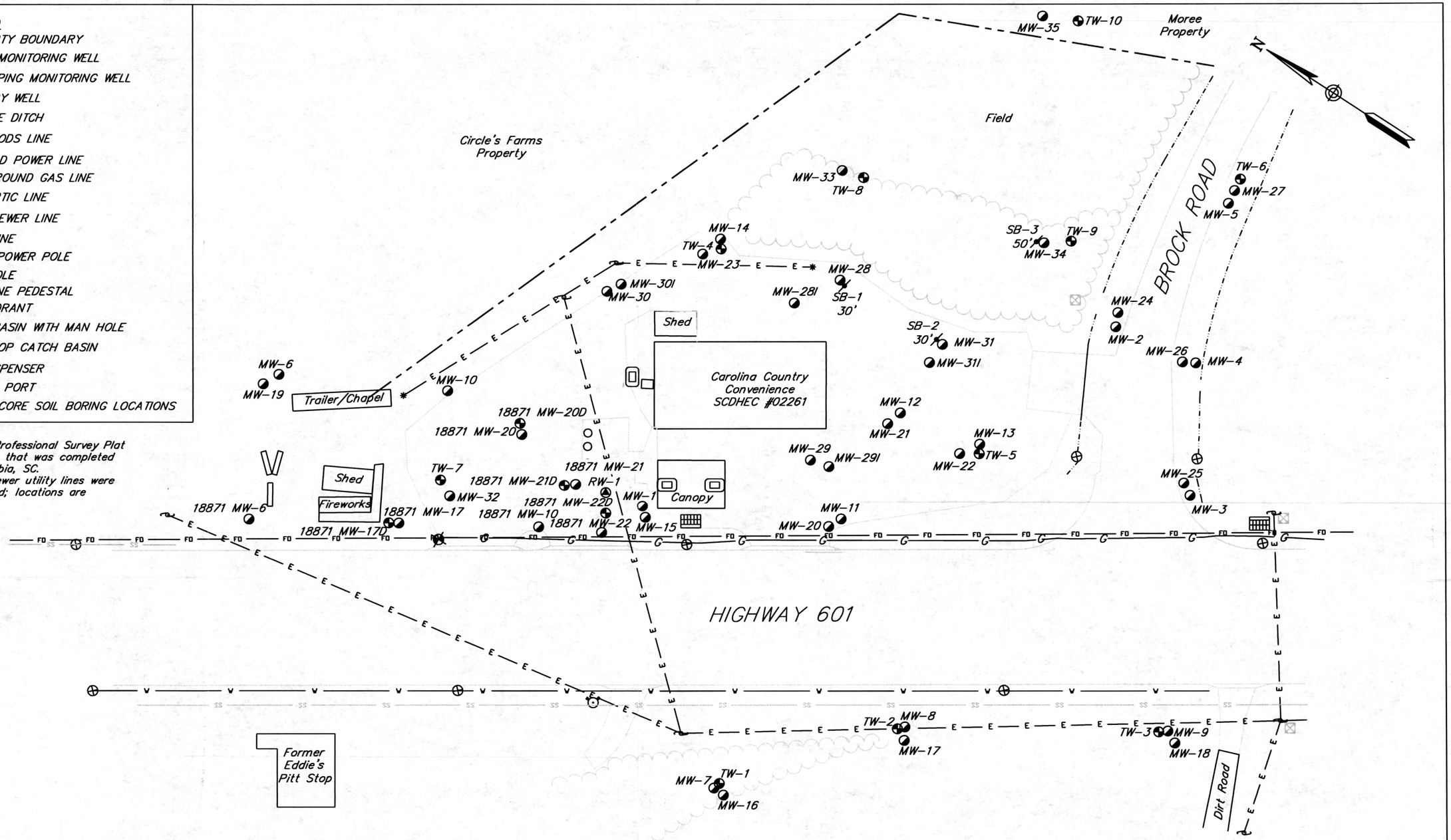
Geological Resources, Inc.

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

- PROPERTY BOUNDARY
- 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
- MARCO-CORE SOIL BORING LOCATIONS

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

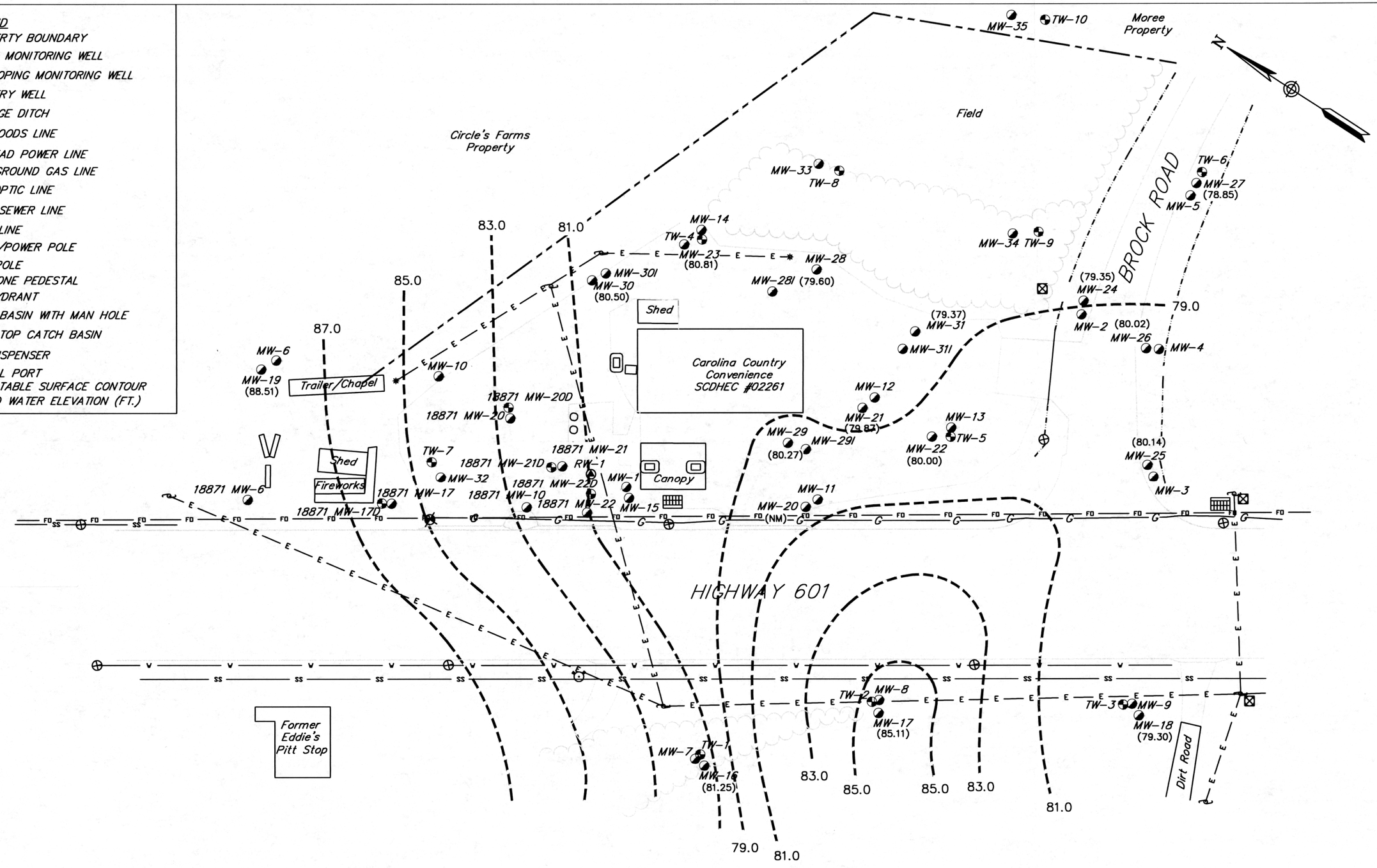
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, South Carolina
Chesterfield County

Date: 02/22/2022 | Drawn by: DTH | Figure: 3

LEGEND

- PROPERTY BOUNDARY
- 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
- 87.0 (87.34) WATER TABLE SURFACE CONTOUR / GROUND WATER ELEVATION (FT.)



Geological Resources, Inc.

0 25 50 100

(IN FEET)
1 inch = 50 ft

WATER TABLE SURFACE MAP – SHALLOW WELLS (02/21/2024)

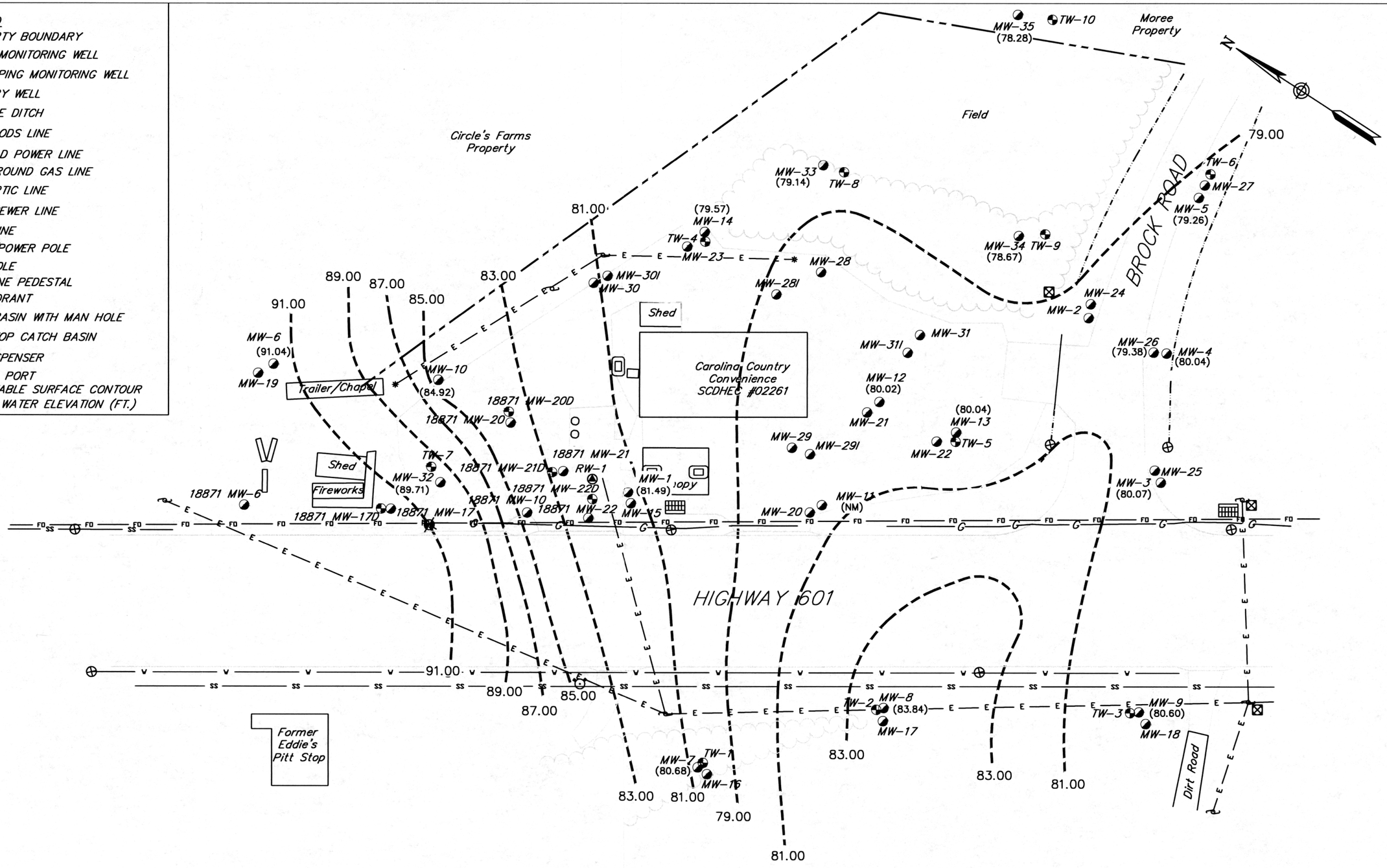
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	03/22/2024	Drawn by:	DTH	Figure:	4

LEGEND

PROPERTY BOUNDARY
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
89.00 WATER TABLE SURFACE CONTOUR
(76.53) GROUND WATER ELEVATION (FT.)



Geological Resources, Inc.

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

WATER TABLE SURFACE MAP – INTERMEDIATE WELLS (09/20/2022)

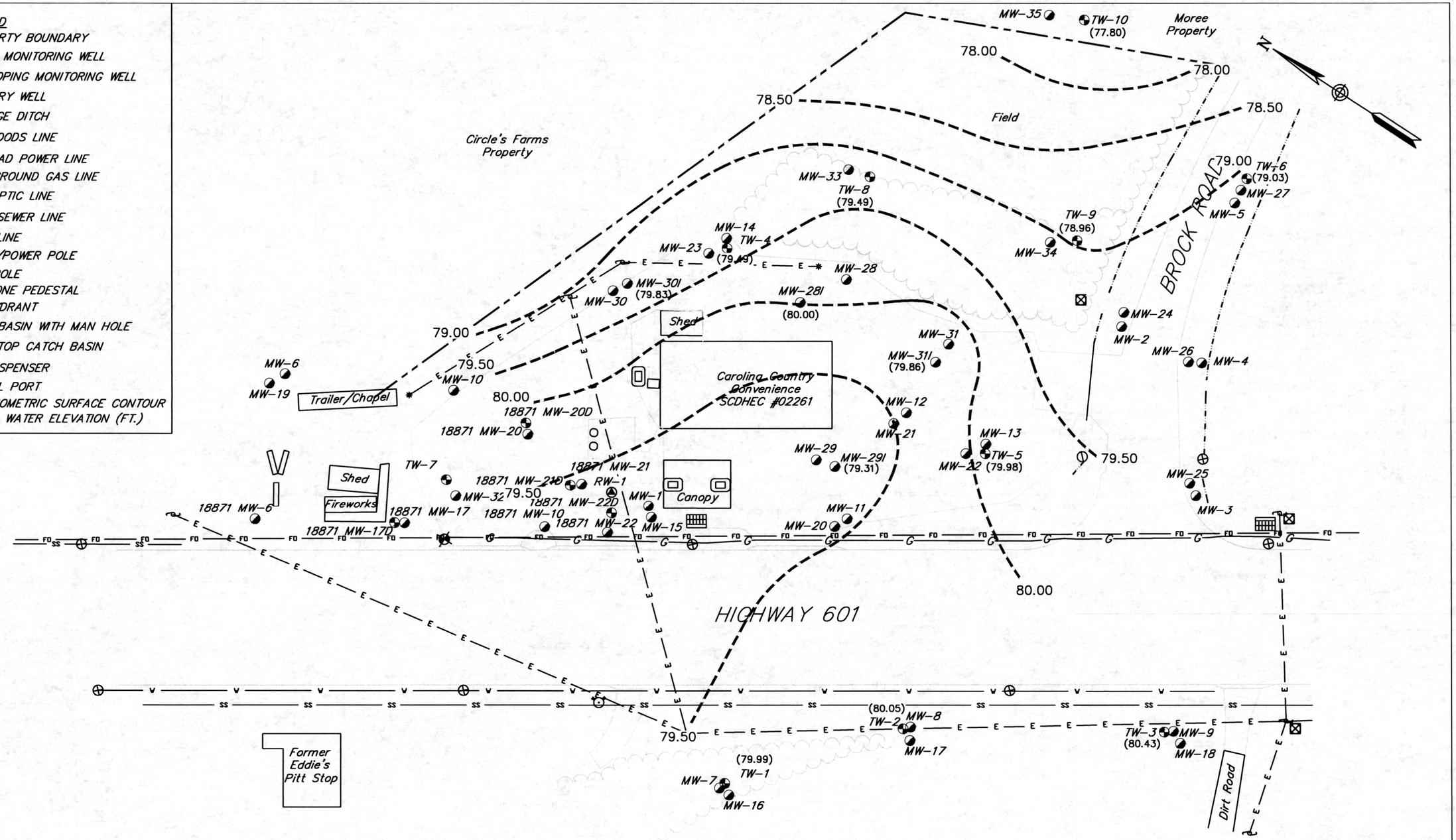
Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	10/22/2022	Drawn by:	DTH	Figure:	5

LEGEND

- PROPERTY BOUNDARY
- 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
- 78.00 (76.53) POTENTIOMETRIC SURFACE CONTOUR / GROUND WATER ELEVATION (FT.)



Geological Resources, Inc.

0 25 50 100

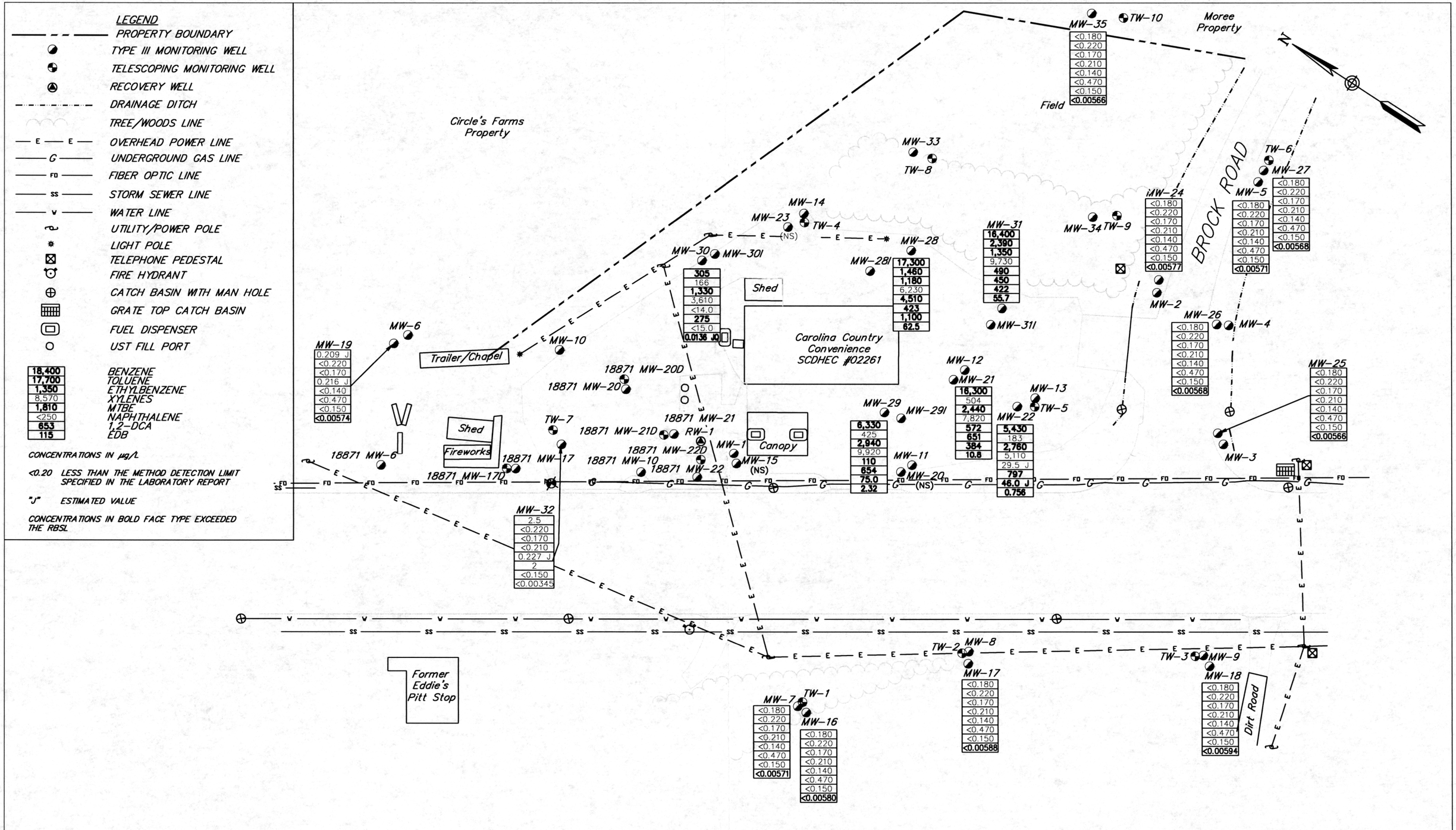
(IN FEET)
1 inch = 50 ft

POTENTIOMETRIC SURFACE MAP – DEEP WELLS (02/21/2024)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	03/22/2024	Drawn by:	DTH	Figure:	6



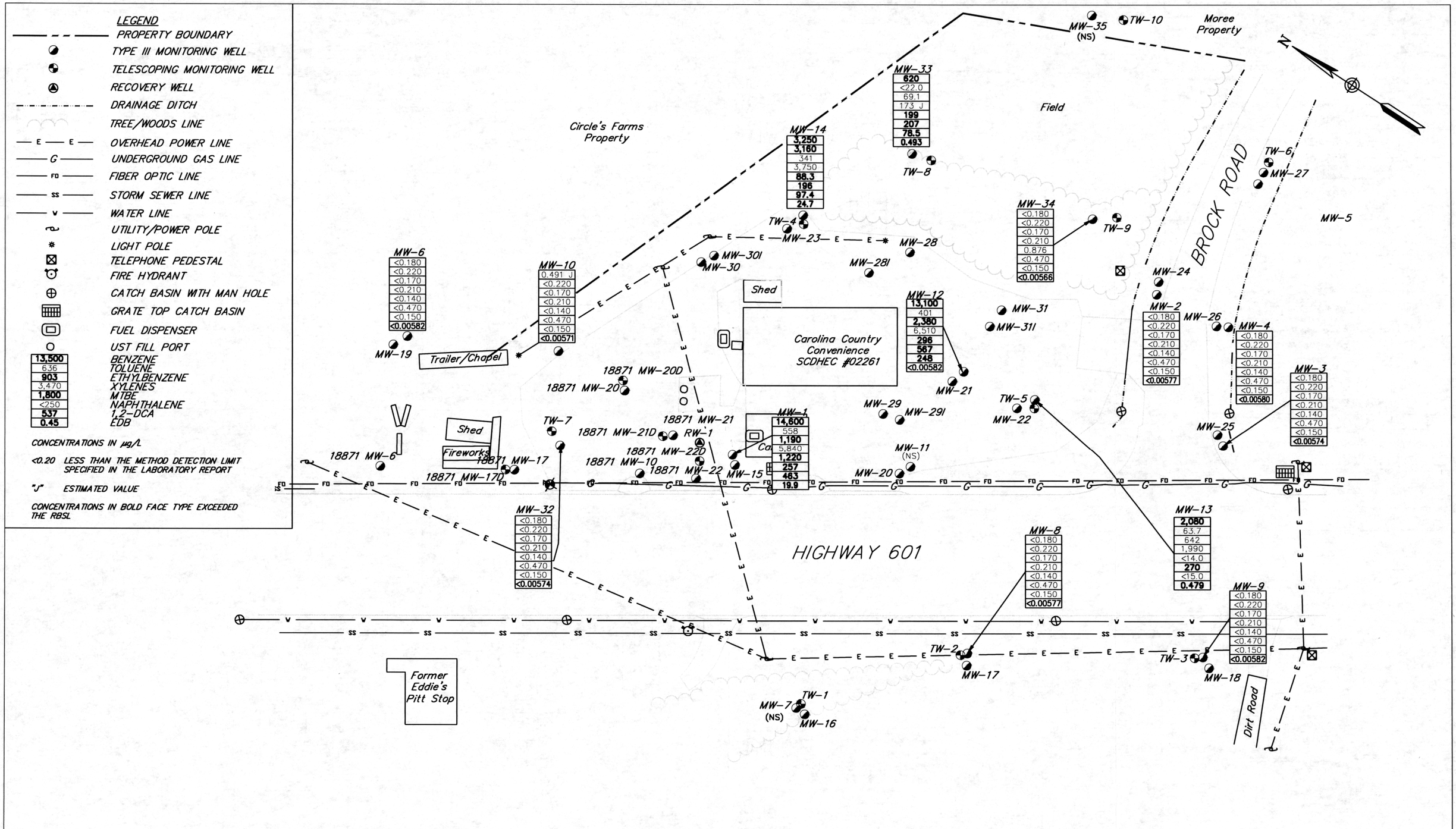
Geological Resources, Inc.

GROUND WATER QUALITY MAP SHALLOW WELLS (02/21-22/2024)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date: 03/16/2024	Drawn by: DTH	Figure: 7



Geological Resources, Inc.

GROUND WATER QUALITY MAP INTERMEDIATE WELLS (02/21-22/2024)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date: 03/16/2024	Drawn by: DTH	Figure: 8

LEGEND

- PROPERTY BOUNDARY
- 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
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- UTILITY/POWER POLE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CATCH BASIN WITH MAN HOLE
- GRATE TOP CATCH BASIN
- FUEL DISPENSER
- UST FILL PORT

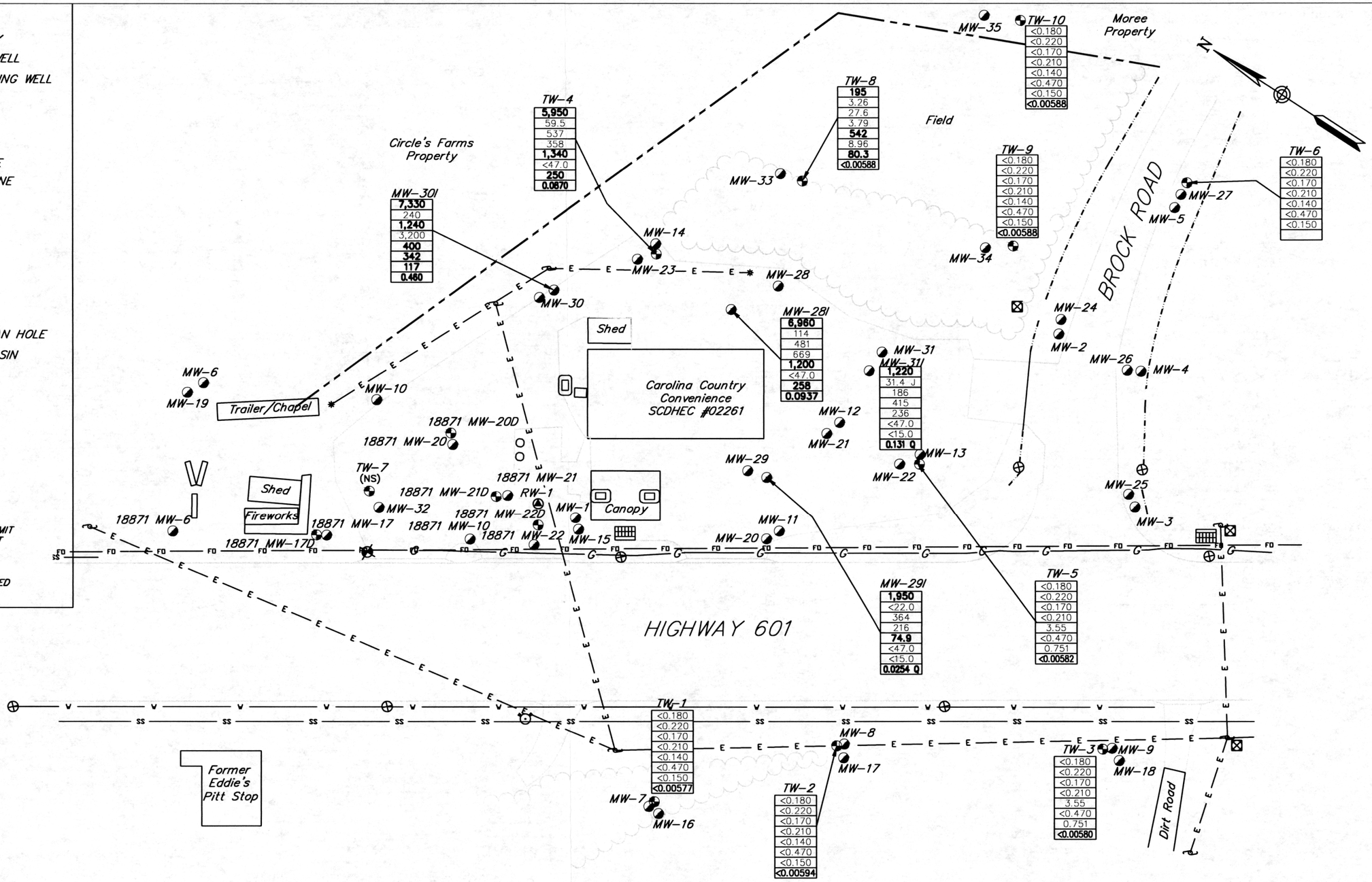
15,700	BENZENE
1,100	TOLUENE
1,890	ETHYLBENZENE
6,140	XYLENES
1,790	MTBE
483 J	NAPHTHALENE
441	1,2-DCA
3.0	EDB

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 DEEP WELLS (02/21-22/2024)

Carolina Country Convenience
UST Permit No. 02261
GRI Project No. 3289

1908 Highway 601 North
Pageland, Chesterfield County, SC

Date:	03/17/2024	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 (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-1 (I)	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		
	01/30/19		---	5.26	---	95.83		
	09/03/19		---	24.20	---	76.89		
	07/15/20		---	12.52	---	88.57		
	09/20/22		---	24.30	---	76.79		
	02/21/24		---	19.68	---	81.41		
02261 MW-2 (I)	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		
	01/30/19		---	6.59	---	98.86		
	09/03/19		---	30.16	---	75.29		
	07/15/20		---	16.60	---	88.85		
	09/20/22		---	36.84	---	68.61		
	02/21/24		---	26.07	---	79.38		
02261 MW-3 (I)	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		
	01/30/19		---	4.53	---	97.81		
	09/03/19		---	26.63	---	75.71		
	07/15/20		---	13.21	---	89.13		
	09/20/22		---	33.33	---	69.01		
	02/21/24		---	22.27	---	80.07		
02261 MW-4 (I)	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		
	01/30/19		---	4.74	---	99.15		
	09/03/19		---	21.28	---	82.61		
	07/15/20		---	14.65	---	89.24		
	09/20/22		---	34.24	---	69.65		
	02/21/24		---	23.85	---	80.04		
02261 MW-5 (I)	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		
	01/30/19		---	10.77	---	98.83		
	09/03/19		---	33.81	---	75.79		
	07/15/20		---	20.29	---	89.31		
	09/20/22		---	40.85	---	68.75		
	02/21/24		---	30.34	---	79.26		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-6 (I)	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		
	01/30/19		---	4.29	---	96.64		
	09/03/19		---	NM	---	NM		
	07/15/20		---	3.78	---	97.15		
	09/20/22		---	27.57	---	73.36		
	02/21/24		---	9.89	---	91.04		
02261 MW-7 (I)	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		
	01/30/19		---	3.74	---	92.81		
	09/03/19		---	21.88	---	74.67		
	07/15/20		---	10.49	---	86.06		
	09/20/22		---	NF	---	NM		
	02/21/24		---	15.87	---	80.68		
02261 MW-8 (I)	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		
	01/30/19		---	3.43	---	94.36		
	09/03/19		---	22.31	---	75.48		
	07/15/20		---	10.51	---	87.28		
	09/20/22		---	28.73	---	69.06		
	02/21/24		---	13.95	---	83.84		
02261 MW-9 (I)	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		
	01/30/19		---	5.82	---	95.63		
	09/03/19		---	25.98	---	75.47		
	07/15/20		---	13.79	---	87.66		
	09/20/22		---	NF	---	NM		
	02/21/24		---	20.85	---	80.60		
02261 MW-10 (I)	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		
	01/30/19		---	4.34	---	97.74		
	09/03/19		---	25.11	---	76.97		
	07/15/20		---	14.48	---	87.60		
	09/20/22		---	NM	---	NM		
	02/21/24		---	17.16	---	84.92		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-11 (I)	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		
	08/23/18		---	32.04	---	69.37		
	01/30/19		---	5.17	---	96.24		
	09/03/19		---	NM	---	NM		
	07/15/20		---	NM	---	NM		
	09/20/22		---	NM	---	NM		
	02/21/24		---	NM	---	NM		
02261 MW-12 (I)	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		
	08/23/18		---	33.93	---	69.50		
	01/30/19		---	6.47	---	96.96		
	09/03/19		---	27.08	---	76.35		
	07/15/20		---	13.81	---	89.62		
	09/20/22		---	33.93	---	69.50		
	02/21/24		---	23.41	---	80.02		
02261 MW-13 (I)	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		
	08/23/18		---	32.83	---	69.29		
	01/30/19		---	5.23	---	96.89		
	09/03/19		---	25.69	---	76.43		
	07/15/20		---	12.81	---	89.31		
	09/20/22		---	32.76	---	69.36		
	02/21/24		---	22.08	---	80.04		
02261 MW-14 (I)	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		
	08/23/18		---	34.07	---	70.04		
	01/30/19		---	6.17	---	97.94		
	09/03/19		---	28.87	---	75.24		
	07/15/20		---	16.12	---	87.99		
	09/20/22		---	34.90	---	69.21		
	02/21/24		---	24.54	---	79.57		
02261 MW-15 (S)	04/10/18	101.01	---	17.95	---	83.06	25	15-25
	01/30/19		---	4.96	---	96.05		
	08/26/19		---	23.29	---	77.72		
	07/15/20		---	10.91	---	90.10		
	09/20/22		---	NM	---	NM		
	02/21/24		---	NM	---	NM		
02261 MW-16 (S)	04/10/18	93.76	---	12.31	---	81.45	25	15-25
	01/30/19		---	1.10	---	92.66		
	08/26/19		---	18.36	---	75.40		
	07/15/20		---	10.49	---	83.27		
	09/20/22		---	NF	---	NM		
	02/21/24		---	12.51	---	81.25		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-17 (S)	04/10/18	95.32	---	11.33	---	83.99	25	15-25
	01/30/19		---	0.88	---	94.44		
	08/26/19		---	NM	---	NM		
	07/15/20		---	6.28	---	89.04		
	09/20/22		---	NM	---	NM		
	02/21/24		---	10.21	---	85.11		
02261 MW-18 (S)	04/10/18	97.70	---	16.89	---	80.81	24	14-24
	01/30/19		---	24.39	---	73.31		
	08/26/19		---	22.81	---	74.89		
	07/15/20		---	11.22	---	86.48		
	09/20/22		---	NM	---	NM		
	02/21/24		---	18.40	---	79.30		
02261 MW-19 (S)	04/10/18	100.86	---	22.56	---	78.30	30	15-30
	01/30/19		---	4.23	---	96.63		
	08/26/19		---	NM	---	NM		
	07/15/20		---	13.52	---	87.34		
	09/20/22		---	29.38	---	71.48		
	02/21/24		---	12.35	---	88.51		
02261 MW-20 (S)	04/10/18	101.50	---	19.16	---	82.34	30	15-30
	08/23/18		---	29.65	---	71.85		
	01/30/19		---	5.36	---	96.14		
	08/26/19		---	24.72	---	76.78		
	07/15/20		---	12.98	---	88.52		
	09/20/22		---	29.63	---	71.87		
	02/21/24		---	NM	---	NM		
02261 MW-21 (S)	04/10/18	103.41	---	21.00	---	82.41	30	15-30
	08/23/18		---	29.52	---	73.89		
	01/30/19		---	6.46	---	96.95		
	08/26/19		---	25.59	---	77.82		
	07/15/20		---	12.07	---	91.34		
	09/20/22		---	29.62	---	73.79		
	02/21/24		---	23.54	---	79.87		
02261 MW-22 (S)	04/10/18	102.01	---	19.71	---	82.30	30	15-30
	08/23/18		---	29.36	---	72.65		
	01/30/19		---	5.24	---	96.77		
	08/26/19		---	25.31	---	76.70		
	07/15/20		---	12.82	---	89.19		
	09/20/22		---	29.06	---	72.95		
	02/21/24		---	22.01	---	80.00		
02261 MW-23 (S)	04/10/18	103.98	---	21.71	---	82.27	30	15-30
	08/23/18		---	29.82	---	74.16		
	01/30/19		---	5.97	---	98.01		
	08/26/19		---	27.96	---	76.02		
	07/15/20		---	NM	---	NM		
	09/20/22		---	Damaged	---	NM		
	02/21/24		---	23.17	---	80.81		
02261 MW-24 (S)	04/10/18	105.46	---	23.49	---	81.97	37	12-37
	01/30/19		---	6.57	---	98.89		
	08/26/19		---	30.18	---	75.28		
	07/15/20		---	16.53	---	88.93		
	09/20/22		---	36.68	---	68.78		
	02/21/24		---	26.11	---	79.35		
02261 MW-25 (S)	04/10/18	102.33	---	20.08	---	82.25	37	12-37
	01/30/19		---	4.32	---	98.01		
	08/26/19		---	25.98	---	76.35		
	07/15/20		---	12.94	---	89.39		
	09/20/22		---	33.31	---	69.02		
	02/21/24		---	22.19	---	80.14		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-26 (S)	04/10/18	103.87	---	21.61	---	82.26	37	12-37
	01/30/19		---	12.86	---	91.01		
	08/26/19		---	27.78	---	76.09		
	07/15/20		---	14.63	---	89.24		
	09/20/22		---	35.05	---	68.82		
	02/21/24		---	23.85	---	80.02		
02261 MW-27 (S)	04/10/18	109.95	---	28.12	---	81.83	37	12-37
	01/30/19		---	10.53	---	99.42		
	08/26/19		---	34.19	---	75.76		
	07/15/20		---	20.96	---	88.99		
	09/20/22		---	Dry	---	NM		
	02/21/24		---	31.10	---	78.85		
02261 MW-28 (S)	08/21/18	104.81	---	Dry	---	NM	30	15-30
	09/18/18		---	27.95	---	76.86		
	01/30/19		---	7.34	---	97.47		
	08/26/19		---	28.51	---	76.30		
	07/15/20		---	16.44	---	88.37		
	09/20/22		---	29.66	---	75.15		
	02/21/24		---	25.21	---	79.60		
02261 MW-29 (S)	08/21/18	102.75	---	Dry	---	NM	30	15-30
	09/18/18		---	Dry	---	NM		
	01/30/19		---	5.94	---	96.81		
	08/26/19		---	25.56	---	77.19		
	07/15/20		---	13.24	---	89.51		
	09/20/22		---	Dry	---	NM		
	02/21/24		---	22.48	---	80.27		
02261 MW-30 (S)	08/21/18	103.35	---	Dry	---	NM	30	15-30
	09/18/18		---	Dry	---	NM		
	01/30/19		---	5.77	---	97.58		
	08/26/19		---	26.61	---	76.74		
	07/15/20		---	15.21	---	88.14		
	09/20/22		---	29.29	---	74.06		
	02/21/24		---	22.85	---	80.50		
02261 MW-31 (S)	08/21/18	103.48	---	Dry	---	NM	30	15-30
	09/18/18		---	Dry	---	NM		
	01/30/19		---	6.06	---	97.42		
	08/26/19		---	26.88	---	76.60		
	07/15/20		---	14.33	---	89.15		
	09/20/22		---	29.33	---	74.15		
	02/21/24		---	24.11	---	79.37		
02261 MW-32 (I)	09/03/19	99.99	---	20.07	---	79.92	35	20-35
	07/15/20		---	7.62	---	92.37		
	09/20/22		---	22.02	---	77.97		
	02/21/24		---	10.28	---	89.71		
02261 MW-33 (I)	09/03/19	113.97	---	39.06	---	74.91	*40	20-40
	07/15/20		---	25.99	---	87.98		
	09/20/22		---	43.29	---	70.68		
	02/21/24		---	34.83	---	79.14		
02261 MW-34 (I)	09/03/19	115.98	---	42.09	---	73.89	*50	30-50
	07/15/20		---	27.38	---	88.60		
	09/20/22		---	47.42	---	68.56		
	02/21/24		---	37.31	---	78.67		
02261 MW-35 (I)	09/03/19	118.89	---	43.95	---	74.94	50	30-50
	07/15/20		---	26.76	---	92.13		
	09/20/22		---	Dry	---	NM		
	02/21/24		---	40.61	---	78.28		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 MW-28I (D)	08/23/18	104.27	---	37.02	---	67.25	56	51-56
	09/18/18		---	37.51	---	66.76		
	01/30/19		---	6.96	---	97.31		
	08/27/19		---	27.82	---	76.45		
	07/15/20		---	16.03	---	88.24		
	09/20/22		---	35.52	---	68.75		
	02/21/24		---	24.27	---	80.00		
02261 MW-29I (D)	08/23/18	102.70	---	36.44	---	66.26	56	51-56
	09/18/18		---	34.91	---	67.79		
	01/30/19		---	6.08	---	96.62		
	08/27/19		---	25.41	---	77.29		
	07/15/20		---	13.88	---	88.82		
	09/20/22		---	33.21	---	69.49		
	02/21/24		---	23.39	---	79.31		
02261 MW-30I (D)	08/23/18	103.28	---	NM	0.03	NM	56	51-56
	09/18/18		36.16	36.20	0.04	67.11		
	01/30/19		---	5.97	---	97.31		
	08/27/19		---	26.94	---	76.34		
	07/15/20		---	15.56	---	87.72		
	09/20/22		---	34.76	---	68.52		
	02/21/24		---	23.51	---	79.77		
02261 MW-31I (D)	08/23/18	103.48	---	41.32	---	62.16	56	51-56
	09/18/18		---	36.38	---	67.10		
	01/30/19		---	6.24	---	97.24		
	08/27/19		---	26.92	---	76.56		
	07/15/20		---	13.16	---	90.32		
	09/20/22		---	34.25	---	69.23		
	02/21/24		---	23.62	---	79.86		
02261 TW-1 (D)	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		
	01/30/19		---	3.91	---	92.83		
	09/03/19		---	22.15	---	74.59		
	07/15/20		---	11.31	---	85.43		
	09/20/22		---	NM	---	NM		
	02/21/24		---	16.75	---	79.99		
02261 TW-2 (D)	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		
	01/30/19		---	3.51	---	94.12		
	09/03/19	96.76	---	22.05	---	74.71		
	07/15/20		---	10.72	---	86.04		
	09/20/22		---	28.76	---	68.00		
	02/21/24		---	16.71	---	80.05		
02261 TW-3 (D)	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		
	01/30/19		---	5.81	---	95.49		
	09/03/19		---	25.93	---	75.37		
	07/15/20		---	14.14	---	87.16		
	09/20/22		---	Damaged	---	NM		
	02/21/24		---	20.87	---	80.43		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
02261 TW-4 (D)	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		
	01/30/19		---	6.36	---	97.64		
	09/03/19		---	28.88	---	75.12		
	07/15/20		---	16.28	---	87.72		
	09/20/22		---	35.66	---	68.34		
	02/21/24		---	24.17	---	79.83		
02261 TW-5 (D)	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		
	01/30/19		---	4.87	---	97.22		
	09/03/19		---	26.37	---	75.72		
	07/15/20		---	13.09	---	89.00		
	09/20/22		---	31.93	---	70.16		
	02/21/24		---	22.11	---	79.98		
02261 TW-6 (D)	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		
	01/30/19		---	66.36	---	43.96		
	09/03/19		---	35.16	---	75.16		
	07/15/20		---	21.24	---	89.08		
	09/20/22		---	41.82	---	68.50		
	02/21/24		---	31.29	---	79.03		
02261 TW-7 (D)	09/03/19	100.01	---	23.76	---	76.25	56	51-56
	07/15/20		---	13.32	---	86.69		
	09/20/22		---	29.44	---	70.57		
	02/21/24		---	NM	---	NM		
02261 TW-8 (D)	09/03/19	113.63	---	38.85	---	74.78	*68	63-68
	07/15/20		---	25.99	---	87.64		
	09/20/22		---	45.51	---	68.12		
	02/21/24		---	34.14	---	79.49		
02261 TW-9 (D)	09/03/19	115.72	---	49.31	---	66.41	*68	63-68
	07/15/20		---	27.09	---	88.63		
	09/20/22		---	48.26	---	67.46		
	02/21/24		---	36.76	---	78.96		
02261 TW-10 (D)	09/03/19	118.47	---	44.32	---	74.15	68	63-68
	07/15/20		---	30.29	---	88.18		
	09/20/22		---	50.81	---	67.66		
	02/21/24		---	40.67	---	77.80		
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		

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

Well No.	Date	Top of Casing Elevation (ft)	Depth to Product (ft)	Depth to Ground Water (ft)	Product Thickness (ft)	Ground Water Elevation (ft)	Constructed Well Depth (ft)	Screened Interval (ft)
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.
- *: Well casing/riser extends from 2-4' above grade and is housed in a protective "stick up" protector.

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 (I)	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
	01/30/19	**20,700**	807	**1,550**	7,700	**2,620**	**405 J**	**811**	**43.8**	NR
	09/04/19	**19,200**	**2,170**	**1,210**	4,960	**1,740**	<250	**581**	**0.90**	NR
	07/16/20	**13,500**	636	**903**	3,470	**1,800**	<250	**537**	**0.45**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	**14,600**	558	**1,190**	5,840	**1,220**	**257**	**463**	**19.9**	NR
02261 MW-1 DUP (I)	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
	07/26/16	**7,890**	**13,100**	**1,650**	8,820	**2,070**	**450 J**	**681**	**88.6**	NR
	01/30/19	**22,400**	812	**1,650**	8,140	**2,950**	**453**	**802**	**41.1**	NR
	09/04/19	**17,400**	**2,250**	**1,270**	5,430	**1,900**	**282 J**	**535**	**0.90**	NR
	07/16/20	**15,800**	700	**1,010**	3,950	**2,130**	**232 J**	**562**	**0.41**	NR
	02/22/24	**14,500**	495	**1,240**	5,980	**1,030**	<47.0	**355**	**8.91**	NR
02261 MW-2 (I)	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
	01/31/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.010	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	0.96 J	<0.23	<1.0	<0.31	**0.15**	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00338	0.033
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
02261 MW-3 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00337	0.005 J
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00574	NR
02261 MW-4 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	**0.51**	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	**0.057**	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00340	0.009
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00580	NR
02261 MW-5 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00571	NR
00261 MW-5 DUP (I)	04/27/15	<0.50	<1.0	<0.50	<1.3	<0.75	<2.5	<0.50	<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 MW-6 (I)	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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00582	NR
02261 MW-7 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00571	NR
02261 MW-8 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.012 J	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
02261 MW-9 (I)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00582	NR
02261 MW-10 (I)	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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	0.61 J	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	0.491 J	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00571	NR
02261 MW-11 (I)	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
	01/31/19	**647**	64.1	186	187	<2.3	**50.9**	**15.1**	**1.1**	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS	NS
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS	NS

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 (I)	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
	01/30/19	**16,600**	**1,940**	**2,470**	**10,500**	**385**	**721 J**	**274**	**32.2**	NR
	09/04/19	**17,500**	**9,090**	**2,100**	**10,700**	**504**	**441 J**	**413**	**74.7**	NR
	07/16/20	**12,400**	**9,020**	**1,880**	8,530	**443**	**544 J**	**270**	**42.5**	NR
	09/21/22	**20,300**	**1,030**	**3,310**	9,920	**703**	**742**	**374**	NS	NS
	02/21/24	**13,100**	401	**2,380**	6,510	**296**	**567**	**248**	<0.00582	NR
02261 MW-13 (I)	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
	02/01/19	**4,420**	283	**1,950**	5,890	<11	**755**	**24.2 J**	**3.1**	NR
	09/04/19	**3,880**	141	**1,050**	4,210	<11	**465**	**21.1 J**	**5.5**	NR
	07/16/20	**2,100**	65.3	480	2,890	<5.7	**512**	**15.6 J**	**3.3**	NR
	09/21/22	**2,380**	56.5	215	2,380	<14.0	**260**	<15.0	NS	0.009
	02/21/24	**2,080**	63.7	642	1,990	<14.0	**270**	<15.0	**0.479**	NR
00261 MW-13 DUP (I)	11/23/15	**4,880**	417	**2,190**	6,260	<30	**531**	**42.8 J**	**4.8**	NR
02261 MW-14 (I)	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
	01/30/19	**12,500**	**21,600**	**1,740**	**10,200**	**195 J**	**575 J**	**212**	**84.6**	NR
	09/04/19	**10,700**	**15,700**	**1,080**	7,920	**144 J**	**376 J**	**195 J**	**129**	NR
	07/16/20	**7,320**	**10,800**	505	6,240	**149 J**	**391 J**	**168 J**	**114**	NR
	02/22/24	**3,250**	**3,160**	341	3,750	**88.3**	**196**	**97.4**	**24.7**	NR
02261 MW-14 DUP (I)	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
	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
	01/30/19	**12,000**	**20,100**	**1,730**	**10,100**	**217**	**623**	**224**	**127**	NR
	09/04/19	**9,940**	**15,900**	**1,220**	8,910	**152**	**410 J**	**202**	**129**	NR
	07/16/20	**7,860**	**11,600**	588	6,790	**172 J**	**386 J**	**163 J**	**74.2**	NR
	02/22/24	**3,690**	**3,320**	461	4,960	**98.3**	<47.0	**112**	**14.3**	NR
02261 MW-15 (S)	04/11/18	**26,200**	**8,140**	**2,500**	**12,100**	**2,330**	**369 J**	**942**	**115**	NR
	01/30/19	**24,000**	**11,700**	**1,610**	8,590	**2,550**	**384 J**	**923**	**128**	NR
	08/26/19	**18,400**	**17,700**	**1,350**	8,570	**1,810**	<250	**653**	**115**	NR
	07/16/20	**13,800**	**18,400**	**1,200**	6,830	**1,640**	**410 J**	**427**	**90.9**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-16 (S)	04/10/18	<0.31	0.49 J	<0.36	1.2 J	<0.23	<1.0	<0.31	<0.0094	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.012 J	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00580	NR
02261 MW-17 (S)	04/10/18	<0.31	0.55 J	<0.36	2.8 J	<0.23	<1.0	<0.31	<0.0093	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.011 J	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00588	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-18 (S)	04/10/18	<0.31	0.34 J	<0.36	4.6	<0.23	<1.0	<0.31	<0.0093	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00594	NR
02261 MW-19 (S)	04/11/18	2.2	15.3	2.6	22.2	0.47 J	<1.0	<0.31	<0.0094	NR
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.010	NR
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	<0.002
	02/21/24	0.209 J	<0.220	<0.170	0.216 J	<0.140	<0.470	<0.150	<0.00574	NR
02261 MW-20 (S)	04/11/18	**9,870**	**18,800**	**1,980**	9,470	**256**	**204 J**	**162 J**	**59.9**	NR
	01/31/19	**16,300**	**26,300**	**2,220**	**13,200**	**450**	**476 J**	**310**	**57.6**	NR
	08/26/19	**6,670**	**17,500**	**1,620**	**12,200**	<46	**510 J**	**83.7 J**	**30.9**	NR
	07/16/20	**8,040**	**21,800**	**1,310**	7,870	**218 J**	**361 J**	**133 J**	**63.5**	NR
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-21 (S)	04/11/18	**18,300**	**19,300**	**2,790**	**13,800**	**526**	**400 J**	**416**	**86.8**	NR
	01/30/19	**16,200**	**21,300**	**2,090**	**12,200**	**418**	**449 J**	**397**	**86.2**	NR
	08/26/19	**15,700**	**3,300**	**1,860**	9,830	**483**	<250	**411**	**7.9**	NR
	07/16/20	**15,600**	**11,400**	**2,350**	**11,300**	**575**	**673 J**	**397**	**73.3**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	**16,300**	504	**2,440**	7,820	**572**	**651**	**384**	**10.8**	NR
02261 MW-21 DUP (S)	04/11/18	**16,500**	<60	**2,630**	**12,700**	**520**	**450 J**	**471**	**73.8**	NR
	01/30/19	**16,700**	**23,400**	**2,260**	**13,000**	**608**	**617**	**414**	**84.6**	NR
	09/04/19	**17,700**	**2,940**	**2,080**	**12,300**	**521**	**448 J**	**433**	**83.4**	NR
	07/16/20	**15,200**	**10,700**	**2,200**	**10,500**	**547**	**532 J**	**408**	**61.4**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	**17,500**	373	**2,560**	7,860	**504**	**714**	**336**	**3.59**	NR
02261 MW-22 (S)	04/11/18	**5,260**	**2,640**	**2,140**	6,570	<23	**330 J**	**43.6 J**	**4.3**	NR
	01/31/19	**5,710**	446	**2,780**	6,480	34.3 J	**724**	**42.9 J**	**3.3**	NR
	08/26/19	**5,700**	527	**2,300**	5,880	<23	**638**	**48.9 J**	**5.0**	NR
	07/16/20	**3,140**	**1,030**	**1,570**	5,200	<11	**708**	**28.0 J**	**4.6**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	**5,430**	183	**2,760**	5,110	29.5 J	**797**	**46.0 J**	**0.756**	NR
02261 MW-23 (S)	04/11/18	**2,790**	**6,320**	**1,180**	5,840	<23	**228 J**	**33.3 J**	**15.2**	NR
	01/30/19	**493**	656	181	1,110	6.5 J	**61.4**	**7.4 J**	**3.3**	NR
	08/26/19	**22.1**	2.0	4.5	21.6	<0.23	1.2 J	<0.31	0.041	<10
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-24 (S)	04/11/18	<0.31	0.39 J	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.036	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
02261 MW-25 (S)	04/11/18	<0.31	<0.30	<0.36	1.8 J	<0.23	<1.0	<0.31	<0.0096	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	0.011
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00566	NR
02261 MW-26 (S)	04/11/18	<0.31	0.37 J	<0.36	0.97 J	<0.23	<1.0	<0.31	<0.0095	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00568	NR

TABLE 2
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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-27 (S)	04/11/18	0.35 J	2.6	0.79 J	3.8	<0.23	<1.0	<0.31	<0.0094	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00568	NR
02261 MW-28 (S)	01/30/19	**27,500**	**8,680**	**2,240**	8,780	**4,950**	**475 J**	**1,230**	**201**	NR
	08/26/19	**30,000**	**14,000**	**1,800**	9,880	**5,880**	<500	**1,770**	**261**	NR
	07/16/20	**21,900**	**13,500**	**1,360**	7,840	**5,740**	**461 J**	**1,290**	**268**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	**17,300**	**1,460**	**1,180**	6,230	**4,510**	**423**	**1,100**	**62.5**	NR
02261 MW-29 (S)	01/31/19	**8,380**	**23,000**	**2,090**	**13,500**	**187 J**	**523 J**	**115 J**	**26.7**	NR
	08/26/19	**3,980**	**9,780**	**2,570**	**14,500**	**43.3 J**	**606**	<31	**7.4**	NR
	07/16/20	**2,060**	**5,840**	**2,220**	**12,800**	<23	**763**	<31	**3.2**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	**6,330**	425	**2,940**	9,920	**110**	**654**	**75.0**	**2.32**	NR
02261 MW-30 (S)	01/30/19	**115**	201	**1,240**	4,230	<4.6	**452**	<6.2	**0.22**	NR
	08/26/19	**179**	202	**1,200**	3,150	<4.6	**396**	<6.2	**0.51**	NR
	07/16/20	**80.3**	78.8	553	1,660	<2.3	**272**	<3.1	**0.21**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	**305**	166	**1,330**	3,610	<14.0	**275**	<15.0	**0.0136 JQ**	NR
02261 MW-31 (S)	01/30/19	**22,100**	**26,500**	**2,500**	**12,200**	**384**	**569 J**	**464**	**78.2**	NR
	08/26/19	**6,440**	**7,700**	**765**	6,070	**157**	**269 J**	**233 J**	**59.4**	NR
	07/16/20	**14,100**	**18,500**	**1,530**	8,530	**290**	**387 J**	**351**	**131**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	**16,400**	**2,390**	**1,350**	9,730	**490**	**450**	**422**	**55.7**	NR
02261 MW-32 (I)	09/04/19	**46.7**	<0.30	<0.36	33.0	1.0	<1.0	0.62 J	0.014 J	NR
	07/16/20	0.84 J	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	2.5	<0.220	<0.170	<0.210	0.227 J	2	<0.150	<0.00345	0.004 J
	02/22/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00574	NR
02261 MW-33 (I)	09/03/19	**3,080**	<15	149	1,470	**153**	**416**	**72.7**	**5.7**	NR
	07/16/20	**1,210**	<6.0	48.5	268	**112**	**277**	**42.6**	**2.9**	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	**620**	<22.0	69.1	173 J	**199**	**207**	**78.5**	**0.493**	NR
02261 MW-34 (I)	09/04/19	0.62 J	<0.30	<0.36	<0.72	1.1	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	1.4	<1.0	<0.31	**0.11**	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	1.0	<0.470	<0.150	<0.00337	0.008
	02/21/24	<0.180	<0.220	<0.170	<0.210	0.876	<0.470	<0.150	<0.00566	NR
02261 MW-35 (I)	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	0.87 J	<1.0	<0.31	<0.0094	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00566	NR
02261 MW-28I (D)	01/30/19	**15,700**	**1,100**	**1,890**	6,140	**1,790**	**483 J**	**441**	**3.0**	NR
	08/27/19	**9,940**	534	**815**	3,140	**1,440**	**462 J**	**375**	**2.4**	NR
	07/16/20	**9,260**	280	235	1,610	**1,830**	**293 J**	**387**	**1.1**	NR
	09/21/22	**12,100**	518	1,540	3,870	**2,000**	**446**	**382**	**1.00**	0.022
	02/22/24	**6,960**	114	481	669	**1,200**	<47.0	**258**	**0.0937**	NR
02261 MW-28I (D) DUP	09/21/22	**9,370**	269	790	1,930	**2,080**	**268**	**382**	**0.394**	<0.002
02261 MW-29I (D)	01/31/19	**2,200**	103	556	1,760	**90.8**	**262**	**43.2**	**1.7**	NR
	08/27/19	**3,970**	47.3	**756**	978	**86.7**	**299**	**64.9**	**0.71**	NR
	07/16/20	**39.3**	1.6 J	4.1 J	7.9 J	**55.8**	<5.0	**20.4**	**0.72**	NR
	09/20/22	**534**	1.1	217	38	**65.3**	**57.6**	**29.4**	**0.136**	0.012
	02/22/24	**1,950**	<22.0	364	216	**74.9**	<47.0	<15.0	**0.0254 Q**	NR
02261 MW-30I (D)	01/30/19	**16,100**	**3,210**	**2,790**	**11,700**	**813**	**921 J**	**247 J**	**18.9**	NR
	08/27/19	**11,000**	**1,490**	**1,550**	5,880	**466**	**448 J**	**173 J**	**8.6**	NR
	07/16/20	**47.9**	25.6	103	454	<0.57	**48.6**	<0.78	**0.074**	NR
	09/20/22	**9,250**	869	**1,620**	4,280	**464**	**349**	**138**	**7.13**	0.006
	02/22/24	**7,330**	240	**1,240**	3,200	**400**	**342**	**117**	**0.460**	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-31I (D)	01/30/19	**3,840**	351	348	1,970	**332**	**169 J**	**114**	**1.1**	NR
	08/27/19	**2,740**	67.4	247	514	**231**	**130 J**	**88.0**	**0.38**	NR
	07/16/20	**1,450**	56.4	79.0	584	**316**	**95.9 J**	**89.0**	**0.64**	NR
	09/20/22	**2,100**	56.4	329.0	761	**270**	**213**	**76.2**	**0.328**	0.014
	02/22/24	**1,220**	31.4 J	186	415	**236**	<47.0	<15.0	**0.131 Q**	NR
02261 TW-1 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/28/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
02261 TW-2 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	08/28/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.011 J	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/22/22	<0.180	5.39	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00342	<0.002
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00594	NR
02261 TW-3 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/28/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/20/22	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00580	NR
02261 TW-4 (D)	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
	01/30/19	**9,400**	140	**711**	645	**1,550**	**273**	**324**	**0.45**	NR
	08/27/19	**11,900**	275	**1,170**	1,780	**1,520**	**335 J**	**376**	**0.82**	NR
	07/16/20	**6,260**	63.4 J	205	323	**1,320**	<100	**321**	**0.59**	NR
	09/20/22	**11,800**	191	**1,330**	1,340	**2,190**	**365**	**362**	**0.373**	<0.002
	02/22/24	**5,950**	59.5	537	358	**1,340**	<47.0	**250**	**0.0870**	NR
02261 TW-4 (D) DUP	09/20/22	**9,370**	269	**790**	1,930	**2,080**	**268**	**382**	**0.464**	0.013
02261 TW-5 (D)	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
	01/31/19	**82.8**	4.0	19.3	39.9	10.7	10.1	3.6	<0.0093	NR
	08/27/19	4.4	<0.30	0.95 J	0.83 J	7.0	<1.0	2.6	<0.0091	NR
	07/16/20	3.0	0.54 J	0.99 J	1.0 J	15.0	<1.0	4.3	<0.0095	NR
	09/22/22	<0.180	10	<0.170	<0.210	0.472 J	<0.470	<0.150	<0.00342	0.012
	02/21/24	<0.180	<0.220	<0.170	<0.210	3.55	<0.470	0.751	<0.00582	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-6 (D)	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
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	08/27/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/22/22	<0.180	15	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00348	0.005 J
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.200	NR
02261 TW-7 (D)	09/04/19	3.3	<0.30	<0.36	<0.72	0.46 J	<1.0	<0.31	<0.0094	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	0.016 J	NR
	09/22/22	0.6	49	<0.170	<0.210	0.390 J	<0.470	<0.150	<0.00351	0.040
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS	NS
02261 TW-8 (D)	09/03/19	**240**	<3.0	257	207	**592**	**209**	**112**	<0.0094	NR
	07/16/20	**97.1**	0.42 J	2.2	0.77 J	**633**	1.1 J	**83.8**	<0.0095	NR
	09/20/22	**307**	<2.20	59.5	10.0	**579**	**50.9**	**85.5**	<0.00343	<0.002
	02/22/24	**195**	3.26	27.6	3.79	**542**	8.96	**80.3**	<0.00588	NR
02261 TW-9 (D)	09/03/19	1.3	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	**0.11**	NR
	09/20/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00347	0.014
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00588	NR
02261 TW-10 (D)	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/22/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00340	0.004 J
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00588	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
	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0038	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0039	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0037	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0040	NR
	09/20/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.00345	<0.002
	02/21/24	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.0055	NR
PW-3 DUP	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0038	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0039	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0036	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0042	NR
	09/20/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.00343	<0.002
	02/21/24	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.0054	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 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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/27/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	NR	NR
	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	NR	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	NR	NR
	09/20/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NR	NR
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	NR	NR
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
	01/30/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	01/31/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	02/01/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0092	NR
	08/26/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	NR
	08/28/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.019	NR
	09/03/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	09/04/19	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0094	NR
	07/15/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0093	NR
	07/16/20	<0.31	<0.30	<0.36	<0.72	<0.23	<1.0	<0.31	<0.0095	NR
	09/21/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00343	<0.002
	02/21/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00580	NR
MW FB 2	09/22/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00343	<0.002
	02/22/24	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00577	NR
PW TRIP BLANK	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NR	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NR	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NR	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NR	NR
	09/22/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	NR	NR
	02/21/24	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	NR	NR
PW FIELD BLANK	04/10/18	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.0039	NR
	02/01/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0039	NR
	08/27/19	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0036	NR
	07/16/20	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0041	NR
	09/22/22	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.00338	NR
	02/21/24	<0.00021	<0.00020	<0.00022	<0.00022	<0.00014	<0.00035	<0.00016	<0.0055	NR
SW-1	09/22/22	<0.180	<0.220	<0.170	<0.210	<0.140	<0.470	<0.150	<0.00348	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.
- On or after 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.
- M: Minimum value.
- Q: RPD >40% dual column results.

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 (I)	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
	01/30/19	<60	<2,500	<20,000	<59	**41,300**	<61	**33,800**	<1,300
	09/04/19	<60	<2,500	<20,000	<59	**32,800**	<61	**34,500**	<1,300
	07/16/20	<60	<2,500	<20,000	<59	**30,000**	<61	**41,600**	<1,300
	02/22/24	<96.0	<100	<4,200	<180	**15,900**	<28.0	**21,100**	<35.0
02261 MW-1 DUP (I)	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
	07/26/16	<45	<2,000	<10,000	<44	**34,300**	<40	**34,400**	<1,000
	01/30/19	<12	<500	<4,100	<12	**40,500**	19.7 J	**30,800**	<250
	09/04/19	<60	<2,500	<20,000	<59	**37,000**	<61	**40,000**	<1,300
	07/16/20	<48	<2,000	<16,000	<47	**33,600**	<49	**46,300**	<1,000
	02/22/24	<96.0	<100	<4,200	<180	**16,800**	<28.0	**18,500**	<35.0
02261 MW-2 (I)	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
	01/31/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	2.80 J	<0.280	6.84 J	<0.350
02261 MW-3 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	5.39 J	<0.350
02261 MW-4 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	4.75 J	<0.350
02261 MW-5 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	5.85 J	<0.350
02261 MW-5 DUP (I)	04/27/15	<0.50	<25	<88	<0.50	<20	<0.55	<14	<10

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-6 (I)	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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	4.06 J	<0.350
02261 MW-7 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-8 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	5.43 J	<0.350
02261 MW-9 (I)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	4.15 J	<0.350
02261 MW-10 (I)	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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	4.00 J	<0.350

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-11 (I)	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
	01/31/19	<2.4	<100	<820	<2.4	**3,720**	<2.4	296	<50
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-12 (I)	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
	01/30/19	<60	<2,500	<20,000	<59	**32,400**	<61	**2,670**	<1,300
	09/04/19	<60	<2,500	<20,000	<59	**37,000**	<61	**4,160 J**	<1,300
	07/16/20	<48	<2,000	<16,000	<47	**35,000**	<49	**4,700**	<1,000
	09/21/22	<96.0	<100	<4200	<180	**47500**	<28.0	5940	<35.0
	02/21/24	<96.0	<100	<4,200	<180	**21,800**	31.5 J	**2,250**	<35.0
02261 MW-13 (I)	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
	02/01/19	<12	<500	<4,100	<12	**6,750**	<12	<270	<250
	09/04/19	<12	<500	<4,100	<12	**4,890**	<12	367 J	<250
	07/16/20	<6.0	<250	<2,000	<5.9	**3,620**	<6.1	338 J	<130
	09/21/22	<96.0	<100	<4200	<180	**3,000**	<28.0	<160	<35.0
	02/21/24	<96.0	<100	<4,200	<180	**3,120**	<28.0	249 J	<35.0
02261 MW-13 DUP (I)	11/23/15	<20	<1,000	<3,500	<20	**7,890**	<22	<540	<400
02261 MW-14 (I)	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
	01/30/19	<48	<2,000	<16,000	<47	**19,500**	<49	<1,100	<1,000
	09/04/19	<48	<2,000	<16,000	<47	**13,100**	<49	<1,100	<1,000
	07/16/20	<48	<2,000	<16,000	<47	**11,200**	<49	<1,100	<1,000
	02/22/24	<96.0	<100	<4,200	<180	**7,310**	<28.0	529 J	<35.0
02261 MW-14 DUP (I)	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
	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
	01/30/19	<12	<500	<4,100	<12	**19,300**	32.5 J	**1,730**	<250
	09/04/19	<24	<1,000	<8,200	<24	**13,800**	26.7 J	1,040 J	<500
	07/16/20	<48	<2,000	<16,000	<47	**11,400**	<49	1,190 J	<1,000
	02/22/24	<96.0	<100	<4,200	<180	**7,360**	<28.0	644 J	<35.0
02261 MW-15 (S)	04/11/18	<48	<2,000	<16,000	<47	**58,000**	<49	**61,600**	<1,000
	01/30/19	<60	<2,500	<20,000	<59	**50,800**	<61	**75,800**	<1,300
	08/26/19	<60	<2,500	<20,000	<59	**28,800**	<61	**58,900**	<1,300
	07/16/20	<60	<2,500	<20,000	<59	**28,000**	<61	**45,600**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS

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-16 (S)	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	2.09 J	<0.350
02261 MW-17 (S)	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	2.92 J	<0.350
02261 MW-18 (S)	04/10/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	4.91 J	<0.350
02261 MW-19 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	NS	NS	NS	NS	NS	NS	NS	NS
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	3.27 J	<0.350
02261 MW-20 (S)	04/11/18	<48	<2,000	<16,000	<47	**43,300**	<49	**2,360 J**	<1,000
	01/31/19	<60	<2,500	<20,000	<59	**69,600**	<61	**4,830 J**	<1,300
	08/26/19	<48	<2,000	<16,000	<47	**9,420**	<49	<1,100	<1,000
	07/16/20	<60	<2,500	<20,000	<59	**20,300**	<61	**1,930 J**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS
02261 MW-21 (S)	04/11/18	<48	<2,000	<16,000	<47	**43,100**	<49	**4,680 J**	<1,000
	01/30/19	<60	<2,500	<20,000	<59	**45,500**	<61	**4,750 J**	<1,300
	08/26/19	<60	<2,500	<20,000	<59	**37,500**	<61	**6,800**	<1,300
	07/16/20	<48	<2,000	<16,000	<47	**40,000**	<49	**5,140**	<1,000
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	<96.0	<100	<4,200	<180	**33,000**	45.5 J	**3,600**	<35.0
02261 MW-21 DUP (S)	04/11/18	<48	<2,000	<16,000	<47	**38,000**	<49	**4,680**	<1,000
	01/30/19	<12	<500	<4,100	<12	**43,500**	35.9 J	**5,680**	<250
	09/04/19	<24	<1,000	<8,200	<24	**41,000**	35.2 J	**4,330**	<500
	07/16/20	<60	<2,500	<20,000	<59	**38,600**	<61	**5,300**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	<96.0	<100	<4,200	<180	**29,800**	<28.0	<160	<35.0
02261 MW-22 (S)	04/11/18	<24	<1,000	<8,200	<24	**8,010**	<24	<530	<500
	01/31/19	<24	<1,000	<8,200	<24	**7,200**	<24	<530	<500
	08/26/19	<24	<1,000	<8,200	<24	**9,060**	<24	<530	<500
	07/16/20	<12	<500	<4,100	<12	**3,910**	<12	455 J	<250
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<96.0	<100	<4,200	<180	**6,390**	<28.0	518 J	<35.0
02261 MW-23 (S)	04/11/18	<24	<1,000	<8,200	<24	**1,470 J**	<24	<530	<500
	01/30/19	<2.4	<100	<820	<2.4	**349**	<2.4	<53	<50
	08/26/19	<0.24	<10	<82	<0.24	15.4 J	<0.24	<5.3	<5.0
	07/15/20	NS	NS	NS	NS	NS	NS	NS	NS
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS

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-24 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	2.39 J	<0.280	16.9	<0.350
02261 MW-25 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	3.47 J	<0.350
02261 MW-26 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	2.27 J	<0.350
02261 MW-27 (S)	04/11/18	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-28 (S)	01/30/19	<60	<2,500	<20,000	<59	**29,400**	**136 J**	**5,370**	<1,300
	08/26/19	<120	<5,000	<41,000	<120	**33,300**	**159 J**	**8,210 J**	<2,500
	07/16/20	<60	<2,500	<20,000	<59	**30,700**	**139 J**	**6,950**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	<96.0	<100	<4,200	<180	**22,400**	**129 J**	**4,120**	<35.0
02261 MW-29 (S)	01/31/19	<60	<2,500	<20,000	<59	**6,380**	<61	<1,300	<1,300
	08/26/19	<24	<1,000	<8,200	<24	**1,430 J**	<24	<530	<500
	07/16/20	<24	<1,000	<8,200	<24	**681 J**	<24	<530	<500
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	<96.0	<100	<4,200	<180	**3,850**	<28.0	468 J	<35.0
02261 MW-30 (S)	01/30/19	<4.8	<200	<1,600	<4.7	<110	<4.9	<110	<100
	08/26/19	<4.8	<200	<1,600	<4.7	<110	<4.9	<110	<100
	07/16/20	<2.4	<100	<820	<2.4	60.2 J	<2.4	<53	<50
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<96.0	<100	<4,200	<180	**412 J**	<28.0	<160	<35.0
02261 MW-31 (S)	01/30/19	<60	<2,500	<20,000	<59	**36,100**	<61	**3,960 J**	<1,300
	08/26/19	<24	<1,000	<8,200	<24	**11,800**	<24	**1,530 J**	<500
	07/16/20	<60	<2,500	<20,000	<59	**26,900**	<61	**3,610 J**	<1,300
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<96.0	<100	<4,200	<180	**26,700**	34.1 J	**3,220**	<35.0
02261 MW-32 (I)	09/04/19	<0.24	<10	<82	<0.24	106	<0.24	15.6 J	<5.0
	07/16/20	<0.24	<10	<82	<0.24	20.6	<0.24	6.0 J	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	30.5	<0.280	12	<0.350
	02/22/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	3.20 J	<0.350
02261 MW-33 (I)	09/03/19	<12	<500	<4,100	<12	**3,760**	12.4 J	451 J	<250
	07/16/20	<4.8	<200	<1,600	<4.7	**2,270**	<4.9	350 J	<100
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/22/24	<96.0	<100	<4,200	<180	**4,810**	<28.0	598 J	<35.0
02261 MW-34 (I)	09/04/19	<0.24	<10	<82	<0.24	33.0	<0.24	26.7	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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-35 (I)	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 MW-28I (D)	01/30/19	<48	<2,000	<16,000	<47	**11,800**	70.2 J	**1,830 J**	<1,000
	08/27/19	<48	<2,000	<16,000	<47	**10,900**	59.7 J	**1,590 J**	<1,000
	07/16/20	<24	<1,000	<8,200	<24	**11,000**	63.7 J	**1,940 J**	<500
	09/21/22	<96.0	<100	<4200	<180	**13,700**	75.0 J	**2,950**	<35.0
	02/22/24	<96.0	<100	<4,200	<180	**8,820 JM**	49.6 J	**1,420**	<35.0
02261 MW-28I (D) DUP	09/21/22	<96.0	<100	<4200	<180	**14,000**	68.2 J	**2,990**	<35.0
02261 MW-29I (D)	01/31/19	<6.0	<250	<2,000	<5.9	**5,400**	<6.1	592	<130
	08/27/19	1.4	<10	<82	<0.24	**6,860**	5.8	663	<5.0
	07/16/20	<1.2	<50	<410	<1.2	**4,830**	1.8 J	500	<25
	09/21/22	0.984 J	<1.00	<42.0	<1.80	**5,630**	2.95 J	194	<0.350
	02/22/24	<96.0	<100	<4,200	<180	**5,540**	<28.0	<160	<35.0
02261 MW-30I (D)	01/30/19	<60	<2,500	<20,000	<59	**8,290**	<61	<1,300	<1,300
	08/27/19	<48	<2,000	<16,000	<47	**5,920**	<49	<1,100	<1,000
	07/16/20	<0.60	<25	<200	<0.59	<13	<0.61	<13	<13
	09/21/22	1.96 J	<1.00	<42.0	<1.80	5,870	<0.280	<1.60	<0.350
	02/22/24	<96.0	<100	<4,200	<180	**4,350**	<28.0	<160	<35.0
02261 MW-31I (D)	01/30/19	<12	<500	<4,100	<12	**8,740**	18.1 J	**1,570**	<250
	08/27/19	<12	<500	<4,100	<12	**6,870**	15.5 J	999 J	<250
	07/16/20	<4.8	<200	<1,600	<4.7	**8,880**	18.5 J	**1,450**	<100
	09/21/22	<9.60	<10.0	<420	<18.0	**6,270**	18.0 J	858	<3.50
	02/22/24	<96.0	<100	<4,200	<180	**6,960**	<28.0	<160	<35.0
02261 TW-1 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/28/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 TW-2 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/28/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 TW-3 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/28/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	NS	NS	NS	NS	NS	NS	NS	NS
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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 (D)	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
	01/30/19	<12	<500	<4,100	<12	**9,980**	47.1 J	**1,790**	<250
	08/27/19	<24	<1,000	<8,200	<24	**9,990**	53.7 J	<530	<500
	07/16/20	<24	<1,000	<8,200	<24	**11,500**	49.3 J	**2,340**	<500
	09/21/22	<96.0	<100	<4200	<180	**13,100**	66.5 J	**2,980**	<35.0
	02/22/24	<96.0	<100	<4,200	<180	**7,520**	46.1 J	1,270	<35.0
02261 TW-4 (D) DUP	09/21/22	<96.0	<100	<4200	<180	**15,200**	76.9 J	**3,240**	<35.0
02261 TW-5 (D)	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
	01/31/19	0.27 J	<10	<82	<0.24	**455**	0.82 J	114	<5.0
	08/27/19	<0.24	<10	<82	<0.24	220	0.44 J	65.2	<5.0
	07/16/20	0.42 J	<10	<82	<0.24	199	0.97 J	129	<5.0
	09/22/22	<0.960	1.65 J	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	10.3	<0.280	22.9	<0.350
02261 TW-6 (D)	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
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/27/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
02261 TW-7 (D)	09/04/19	<0.24	<10	<82	<0.24	12.1 J	<0.24	7.9 J	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	8.29 J	<0.350
	02/21/24	NS	NS	NS	NS	NS	NS	NS	NS
02261 TW-8 (D)	09/03/19	<2.4	<100	<820	<2.4	**1,620**	24.9	702	<50
	07/16/20	1.8	<10	<82	<0.24	**1,760**	24.0	905	<5.0
	09/21/22	<9.60	<10.0	<420	<18.0	**2,390**	31.7 J	1,200	<3.50
	02/22/24	1.46 J	<1.00	<42.0	<1.80	**1,690**	25.2	622 J	<0.350
02261 TW-9 (D)	09/03/19	<0.24	<10	<82	<0.24	15.1 J	<0.24	10.4 J	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	2.73 J	<0.350
02261 TW-10 (D)	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
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

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-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
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
PW-3 DUP	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/27/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
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
	01/30/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	01/31/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	02/01/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/26/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/28/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	09/03/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/04/19	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/15/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	07/16/20	<0.24	<10	<82	<0.24	<5.3	<0.24	<5.3	<5.0
	09/21/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
MW FB 2	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/22/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
WSW TRIP BLANK	04/10/18	<0.40	<8.0	<40	<0.40	<8.0	<0.42	<8.0	<2.0
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	3.7 J	<2.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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
	02/01/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<8.0	<2.0
	08/27/19	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	07/16/20	<0.40	<8.0	<52	<0.40	<8.0	<0.42	<0.40	<2.0
	09/22/22	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350
	02/21/24	<0.960	<1.00	<42.0	<1.80	<1.90	<0.280	<1.60	<0.350

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.
- M: Minimum value.

APPENDICES

APPENDIX A

Laboratory Analytical Report – Ground Water Samples

Waypoint ANALYTICAL

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

3/11/2024

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

Ref: Analytical Testing
Lab Report Number: 24-057-0006
Client Project Description: Carolina County Convience
GRI #3289

Dear Ashleigh Thrash:

Waypoint Analytical, LLC (Charlotte) received sample(s) on 2/23/2024 for the analyses presented in the following report.

The above referenced project has been analyzed per your instructions. The analyses were performed in accordance with the applicable analytical method.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) unless otherwise indicated.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance.

The results are shown on the attached Report of Analysis(s). Results for solid matrices are reported on an as-received basis unless otherwise indicated. This report shall not be reproduced except in full and relates only to the samples included in this report.

Please do not hesitate to contact me or client services if you have any questions or need additional information.

Sincerely,

Danyale Love

Danyale Love
Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis.

Waypoint ANALYTICAL

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Certification Summary

Laboratory ID: WP CNC: Waypoint Analytical Carolina, Inc. (C), Charlotte, NC

State	Program	Lab ID	Expiration Date
North Carolina	State Program	37735	07/31/2024
North Carolina	State Program	402	12/31/2024
South Carolina	State Program	99012	07/31/2024
South Carolina	State Program	99012	12/31/2023

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/29/2024
Arkansas	State Program	88-0650	02/07/2025
California	State Program	2904	06/30/2024
Florida	State Program - NELAP	E871157	06/30/2024
Georgia	State Program	C044	11/14/2025
Georgia	State Program	04015	06/30/2024
Illinois	State Program - NELAP	200078	10/31/2024
Kentucky	State Program	80215	06/30/2024
Kentucky	State Program	KY90047	12/31/2024
Louisiana	State Program - NELAP	LA037	12/31/2024
Louisiana	State Program - NELAP	04015	06/30/2024
Mississippi	State Program	MS	11/14/2025
North Carolina	State Program	47701	07/31/2024
North Carolina	State Program	415	12/31/2024
Pennsylvania	State Program - NELAP	68-03195	05/31/2024
South Carolina	State Program	84002	06/30/2024
Tennessee	State Program	02027	11/14/2025
Texas	State Program - NELAP	T104704180	09/30/2024
Virginia	State Program	00106	06/30/2024
Virginia	State Program - NELAP	460181	09/14/2024

Waypoint ANALYTICAL

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Sample Summary Table

Report Number: **24-057-0006**

Client Project Description: **Carolina County Convience GRI #3289**

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
97816	02261-MW-1	Aqueous	02/22/2024 10:38	02/23/2024 13:10		
97816	02261-MW-1	Aqueous	02/22/2024 10:38	02/23/2024 13:10	8011	WP MTN
97817	02261-MW-2	Aqueous	02/21/2024 09:48	02/23/2024 13:10		
97817	02261-MW-2	Aqueous	02/21/2024 09:48	02/23/2024 13:10	8011	WP MTN
97818	02261-MW-3	Aqueous	02/21/2024 10:14	02/23/2024 13:10		
97818	02261-MW-3	Aqueous	02/21/2024 10:14	02/23/2024 13:10	8011	WP MTN
97819	02261-MW-4	Aqueous	02/21/2024 10:37	02/23/2024 13:10		
97819	02261-MW-4	Aqueous	02/21/2024 10:37	02/23/2024 13:10	8011	WP MTN
97820	02261-MW-5	Aqueous	02/21/2024 10:51	02/23/2024 13:10		
97820	02261-MW-5	Aqueous	02/21/2024 10:51	02/23/2024 13:10	8011	WP MTN
97821	02261-MW-6	Aqueous	02/21/2024 14:28	02/23/2024 13:10		
97821	02261-MW-6	Aqueous	02/21/2024 14:28	02/23/2024 13:10	8011	WP MTN
97822	02261-MW-7	Aqueous	02/21/2024 11:56	02/23/2024 13:10		
97822	02261-MW-7	Aqueous	02/21/2024 11:56	02/23/2024 13:10	8011	WP MTN
97823	02261-MW-8	Aqueous	02/21/2024 11:19	02/23/2024 13:10		
97823	02261-MW-8	Aqueous	02/21/2024 11:19	02/23/2024 13:10	8011	WP MTN
97824	02261-MW-9	Aqueous	02/21/2024 10:42	02/23/2024 13:10		
97824	02261-MW-9	Aqueous	02/21/2024 10:42	02/23/2024 13:10	8011	WP MTN
97825	02261-MW-10	Aqueous	02/21/2024 14:02	02/23/2024 13:10		
97825	02261-MW-10	Aqueous	02/21/2024 14:02	02/23/2024 13:10	8011	WP MTN
97826	02261-MW-12	Aqueous	02/21/2024 12:17	02/23/2024 13:10		
97826	02261-MW-12	Aqueous	02/21/2024 12:17	02/23/2024 13:10	8011	WP MTN
97827	02261-MW-13	Aqueous	02/21/2024 11:43	02/23/2024 13:10		
97827	02261-MW-13	Aqueous	02/21/2024 11:43	02/23/2024 13:10	8011	WP MTN
97828	02261-MW-14	Aqueous	02/22/2024 11:35	02/23/2024 13:10		
97828	02261-MW-14	Aqueous	02/22/2024 11:35	02/23/2024 13:10	8011	WP MTN

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Sample Summary Table

Report Number: **24-057-0006**

Client Project Description: **Carolina County Convience GRI #3289**

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
97829	02261-MW-16	Aqueous	02/21/2024 12:06	02/23/2024 13:10		
97829	02261-MW-16	Aqueous	02/21/2024 12:06	02/23/2024 13:10	8011	WP MTN
97830	02261-MW-17	Aqueous	02/21/2024 11:30	02/23/2024 13:10		
97830	02261-MW-17	Aqueous	02/21/2024 11:30	02/23/2024 13:10	8011	WP MTN
97831	02261-MW-18	Aqueous	02/21/2024 10:49	02/23/2024 13:10		
97831	02261-MW-18	Aqueous	02/21/2024 10:49	02/23/2024 13:10	8011	WP MTN
97832	02261-MW-19	Aqueous	02/21/2024 14:40	02/23/2024 13:10		
97832	02261-MW-19	Aqueous	02/21/2024 14:40	02/23/2024 13:10	8011	WP MTN
97833	02261-MW-21	Aqueous	02/22/2024 10:12	02/23/2024 13:10		
97833	02261-MW-21	Aqueous	02/22/2024 10:12	02/23/2024 13:10	8011	WP MTN
97834	02261-MW-22	Aqueous	02/21/2024 16:28	02/23/2024 13:10		
97834	02261-MW-22	Aqueous	02/21/2024 16:28	02/23/2024 13:10	8011	WP MTN
97835	02261-MW-24	Aqueous	02/21/2024 15:43	02/23/2024 13:10		
97835	02261-MW-24	Aqueous	02/21/2024 15:43	02/23/2024 13:10	8011	WP MTN
97836	02261-MW-25	Aqueous	02/21/2024 11:18	02/23/2024 13:10		
97836	02261-MW-25	Aqueous	02/21/2024 11:18	02/23/2024 13:10	8011	WP MTN
97837	02261-MW-26	Aqueous	02/21/2024 16:03	02/23/2024 13:10		
97837	02261-MW-26	Aqueous	02/21/2024 16:03	02/23/2024 13:10	8011	WP MTN
97838	02261-MW-27	Aqueous	02/21/2024 15:19	02/23/2024 13:10		
97838	02261-MW-27	Aqueous	02/21/2024 15:19	02/23/2024 13:10	8011	WP MTN
97839	02261-MW-28	Aqueous	02/22/2024 11:47	02/23/2024 13:10		
97839	02261-MW-28	Aqueous	02/22/2024 11:47	02/23/2024 13:10	8011	WP MTN
97840	02261-MW-29	Aqueous	02/22/2024 09:20	02/23/2024 13:10		
97840	02261-MW-29	Aqueous	02/22/2024 09:20	02/23/2024 13:10	8011	WP MTN
97841	02261-MW-30	Aqueous	02/21/2024 14:57	02/23/2024 13:10		
97841	02261-MW-30	Aqueous	02/21/2024 14:57	02/23/2024 13:10	8011	WP MTN

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Sample Summary Table

Report Number: **24-057-0006**

Client Project Description: **Carolina County Convience GRI #3289**

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
97842	02261-MW-31	Aqueous	02/21/2024 13:33	02/23/2024 13:10		
97842	02261-MW-31	Aqueous	02/21/2024 13:33	02/23/2024 13:10	8011	WP MTN
97843	02261-MW-32	Aqueous	02/22/2024 08:10	02/23/2024 13:10		
97843	02261-MW-32	Aqueous	02/22/2024 08:10	02/23/2024 13:10	8011	WP MTN
97844	02261-MW-33	Aqueous	02/22/2024 08:59	02/23/2024 13:10		
97844	02261-MW-33	Aqueous	02/22/2024 08:59	02/23/2024 13:10	8011	WP MTN
97845	02261-MW-34	Aqueous	02/21/2024 15:20	02/23/2024 13:10		
97845	02261-MW-34	Aqueous	02/21/2024 15:20	02/23/2024 13:10	8011	WP MTN
97846	02261-MW-35	Aqueous	02/21/2024 14:49	02/23/2024 13:10		
97846	02261-MW-35	Aqueous	02/21/2024 14:49	02/23/2024 13:10	8011	WP MTN
97847	02261-MW-28I	Aqueous	02/22/2024 11:58	02/23/2024 13:10		
97847	02261-MW-28I	Aqueous	02/22/2024 11:58	02/23/2024 13:10	8011	WP MTN
97848	02261-MW-29I	Aqueous	02/22/2024 09:33	02/23/2024 13:10		
97848	02261-MW-29I	Aqueous	02/22/2024 09:33	02/23/2024 13:10	8011	WP MTN
97849	02261-MW-30I	Aqueous	02/22/2024 10:44	02/23/2024 13:10		
97849	02261-MW-30I	Aqueous	02/22/2024 10:44	02/23/2024 13:10	8011	WP MTN
97850	02261-MW-31I	Aqueous	02/22/2024 10:04	02/23/2024 13:10		
97850	02261-MW-31I	Aqueous	02/22/2024 10:04	02/23/2024 13:10	8011	WP MTN
97851	02261-TW-1	Aqueous	02/21/2024 11:45	02/23/2024 13:10		
97851	02261-TW-1	Aqueous	02/21/2024 11:45	02/23/2024 13:10	8011	WP MTN
97852	02261-TW-2	Aqueous	02/21/2024 11:08	02/23/2024 13:10		
97852	02261-TW-2	Aqueous	02/21/2024 11:08	02/23/2024 13:10	8011	WP MTN
97853	02261-TW-3	Aqueous	02/21/2024 10:30	02/23/2024 13:10		
97853	02261-TW-3	Aqueous	02/21/2024 10:30	02/23/2024 13:10	8011	WP MTN
97854	02261-TW-4	Aqueous	02/22/2024 11:21	02/23/2024 13:10		
97854	02261-TW-4	Aqueous	02/22/2024 11:21	02/23/2024 13:10	8011	WP MTN

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Sample Summary Table

Report Number: **24-057-0006**

Client Project Description: **Carolina County Convience GRI #3289**

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
97855	02261-TW-5	Aqueous	02/21/2024 16:25	02/23/2024 13:10		
97855	02261-TW-5	Aqueous	02/21/2024 16:25	02/23/2024 13:10	8011	WP MTN
97856	02261-TW-6	Aqueous	02/21/2024 16:00	02/23/2024 13:10		
97857	02261-TW-8	Aqueous	02/22/2024 08:49	02/23/2024 13:10		
97857	02261-TW-8	Aqueous	02/22/2024 08:49	02/23/2024 13:10	8011	WP MTN
97858	02261-TW-9	Aqueous	02/21/2024 15:07	02/23/2024 13:10		
97858	02261-TW-9	Aqueous	02/21/2024 15:07	02/23/2024 13:10	8011	WP MTN
97859	02261-TW-10	Aqueous	02/21/2024 14:35	02/23/2024 13:10		
97859	02261-TW-10	Aqueous	02/21/2024 14:35	02/23/2024 13:10	8011	WP MTN
97860	02261-DUP-A	Aqueous	02/22/2024 10:39	02/23/2024 13:10		
97860	02261-DUP-A	Aqueous	02/22/2024 10:39	02/23/2024 13:10	8011	WP MTN
97861	02261-DUP-B	Aqueous	02/22/2024 11:36	02/23/2024 13:10		
97861	02261-DUP-B	Aqueous	02/22/2024 11:36	02/23/2024 13:10	8011	WP MTN
97862	02261-DUP-C	Aqueous	02/22/2024 10:13	02/23/2024 13:10		
97862	02261-DUP-C	Aqueous	02/22/2024 10:13	02/23/2024 13:10	8011	WP MTN
97863	02261-MWFB-1	Aqueous	02/21/2024 09:00	02/23/2024 13:10		
97863	02261-MWFB-1	Aqueous	02/21/2024 09:00	02/23/2024 13:10	8011	WP MTN
97864	02261-MWFB-2	Aqueous	02/22/2024 08:00	02/23/2024 13:10		
97864	02261-MWFB-2	Aqueous	02/22/2024 08:00	02/23/2024 13:10	8011	WP MTN
97865	02261-MWTB	Aqueous	02/21/2024 07:25	02/23/2024 13:10		
97866	02261-PW-3	Aqueous	02/21/2024 13:45	02/23/2024 13:10	524.2	
97866	02261-PW-3	Aqueous	02/21/2024 13:45	02/23/2024 13:10	EPA-504.1	
97866	02261-PW-3	Aqueous	02/21/2024 13:45	02/23/2024 13:10		
97867	02261-DUP-D	Aqueous	02/21/2024 13:46	02/23/2024 13:10	524.2	
97867	02261-DUP-D	Aqueous	02/21/2024 13:46	02/23/2024 13:10	EPA-504.1	
97867	02261-DUP-D	Aqueous	02/21/2024 13:46	02/23/2024 13:10		

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Sample Summary Table

Report Number: **24-057-0006**

Client Project Description: **Carolina County Convience**
GRI #3289

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
97868	02261-PWFB	Aqueous	02/21/2024 13:00	02/23/2024 13:10	524.2	
97868	02261-PWFB	Aqueous	02/21/2024 13:00	02/23/2024 13:10	EPA-504.1	
97868	02261-PWFB	Aqueous	02/21/2024 13:00	02/23/2024 13:10		
97869	02261-PWTB	Aqueous	02/21/2024 07:26	02/23/2024 13:10	524.2	
97869	02261-PWTB	Aqueous	02/21/2024 07:26	02/23/2024 13:10		

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-MW-1	**V 97816**					
8011	1,2-Dibromoethane	19.9	µg/L	0.580	03/06/2024 13:03	
8260D	Benzene	14600	µg/L	180	03/01/2024 20:35	
8260D	1,2-Dichloroethane	463	µg/L	15.0	02/29/2024 19:54	
8260D	Ethylbenzene	1190	µg/L	17.0	02/29/2024 19:54	
8260D	Methyl tert-butyl ether (MTBE)	1220	µg/L	14.0	02/29/2024 19:54	
8260D	Naphthalene	257	µg/L	47.0	02/29/2024 19:54	
8260D	tert-Butyl Alcohol (TBA)	21100	µg/L	1600	03/01/2024 20:35	
8260D	tert-Amyl Alcohol (TAA)	15900	µg/L	1900	03/01/2024 20:35	
8260D	Toluene	558	µg/L	22.0	02/29/2024 19:54	
8260D	o-Xylene	2140	µg/L	21.0	02/29/2024 19:54	
8260D	m,p-Xylene	3700	µg/L	42.0	02/29/2024 19:54	
8260D	Xylene (Total)	5840	µg/L	21.0	02/29/2024 19:54	
02261-MW-2	**V 97817**					
8260D	tert-Butyl Alcohol (TBA)	6.84	µg/L	1.60	02/29/2024 14:33	J
8260D	tert-Amyl Alcohol (TAA)	2.80	µg/L	1.90	02/29/2024 14:33	J
02261-MW-3	**V 97818**					
8260D	tert-Butyl Alcohol (TBA)	5.39	µg/L	1.60	02/29/2024 14:58	J
02261-MW-4	**V 97819**					
8260D	tert-Butyl Alcohol (TBA)	4.75	µg/L	1.60	02/29/2024 15:22	J
02261-MW-5	**V 97820**					
8260D	tert-Butyl Alcohol (TBA)	5.85	µg/L	1.60	02/29/2024 15:47	J
02261-MW-6	**V 97821**					
8260D	tert-Butyl Alcohol (TBA)	4.06	µg/L	1.60	02/29/2024 16:11	J
02261-MW-8	**V 97823**					
8260D	tert-Butyl Alcohol (TBA)	5.43	µg/L	1.60	02/29/2024 17:01	J
02261-MW-9	**V 97824**					
8260D	tert-Butyl Alcohol (TBA)	4.15	µg/L	1.60	02/29/2024 17:25	J
02261-MW-10	**V 97825**					
8260D	Benzene	0.491	µg/L	0.180	02/29/2024 17:50	J
8260D	tert-Butyl Alcohol (TBA)	4.00	µg/L	1.60	02/29/2024 17:50	J

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-MW-12	**V 97826**					
8260D	Benzene	13100	µg/L	180	03/01/2024 20:59	
8260D	1,2-Dichloroethane	248	µg/L	15.0	03/01/2024 04:32	
8260D	Ethylbenzene	2380	µg/L	17.0	03/01/2024 04:32	
8260D	Methyl tert-butyl ether (MTBE)	296	µg/L	14.0	03/01/2024 04:32	
8260D	Naphthalene	567	µg/L	47.0	03/01/2024 04:32	
8260D	tert-Butyl Alcohol (TBA)	2250	µg/L	160	03/01/2024 04:32	
8260D	tert-Amyl Alcohol (TAA)	21800	µg/L	1900	03/01/2024 20:59	
8260D	tert-Amyl Methyl Ether (TAME)	31.5	µg/L	28.0	03/01/2024 04:32	J
8260D	Toluene	401	µg/L	22.0	03/01/2024 04:32	
8260D	o-Xylene	3570	µg/L	21.0	03/01/2024 04:32	
8260D	m,p-Xylene	2940	µg/L	42.0	03/01/2024 04:32	
8260D	Xylene (Total)	6510	µg/L	21.0	03/01/2024 04:32	
02261-MW-13	**V 97827**					
8011	1,2-Dibromoethane	0.479	µg/L	0.00582	03/05/2024 04:27	
8260D	Benzene	2080	µg/L	18.0	03/01/2024 04:57	
8260D	Ethylbenzene	642	µg/L	17.0	03/01/2024 04:57	
8260D	Naphthalene	270	µg/L	47.0	03/01/2024 04:57	
8260D	tert-Butyl Alcohol (TBA)	249	µg/L	160	03/01/2024 04:57	J
8260D	tert-Amyl Alcohol (TAA)	3120	µg/L	190	03/01/2024 04:57	
8260D	Toluene	63.7	µg/L	22.0	03/01/2024 04:57	
8260D	o-Xylene	1030	µg/L	21.0	03/01/2024 04:57	
8260D	m,p-Xylene	955	µg/L	42.0	03/01/2024 04:57	
8260D	Xylene (Total)	1990	µg/L	21.0	03/01/2024 04:57	
02261-MW-14	**V 97828**					
8011	1,2-Dibromoethane	24.7	µg/L	0.577	03/06/2024 13:41	
8260D	Benzene	3250	µg/L	18.0	03/01/2024 05:21	
8260D	1,2-Dichloroethane	97.4	µg/L	15.0	03/01/2024 05:21	
8260D	Ethylbenzene	341	µg/L	17.0	03/01/2024 05:21	
8260D	Methyl tert-butyl ether (MTBE)	88.3	µg/L	14.0	03/01/2024 05:21	
8260D	Naphthalene	196	µg/L	47.0	03/01/2024 05:21	
8260D	tert-Butyl Alcohol (TBA)	529	µg/L	160	03/01/2024 05:21	J
8260D	tert-Amyl Alcohol (TAA)	7310	µg/L	190	03/01/2024 05:21	
8260D	Toluene	3160	µg/L	22.0	03/01/2024 05:21	
8260D	o-Xylene	1980	µg/L	21.0	03/01/2024 05:21	
8260D	m,p-Xylene	1770	µg/L	42.0	03/01/2024 05:21	

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-MW-14	**V 97828**					
8260D	Xylene (Total)	3750	µg/L	21.0	03/01/2024 05:21	
02261-MW-16	**V 97829**					
8260D	tert-Butyl Alcohol (TBA)	2.09	µg/L	1.60	03/01/2024 00:49	J
02261-MW-17	**V 97830**					
8260D	tert-Butyl Alcohol (TBA)	2.92	µg/L	1.60	03/01/2024 01:14	J
02261-MW-18	**V 97831**					
8260D	tert-Butyl Alcohol (TBA)	4.91	µg/L	1.60	03/01/2024 01:39	J
02261-MW-19	**V 97832**					
8260D	Benzene	0.209	µg/L	0.180	03/01/2024 02:04	J
8260D	tert-Butyl Alcohol (TBA)	3.27	µg/L	1.60	03/01/2024 02:04	J
8260D	o-Xylene	0.216	µg/L	0.210	03/01/2024 02:04	J
8260D	Xylene (Total)	0.216	µg/L	0.210	03/01/2024 02:04	J
02261-MW-21	**V 97833**					
8011	1,2-Dibromoethane	10.8	µg/L	0.580	03/06/2024 14:00	
8260D	Benzene	16300	µg/L	180	03/01/2024 21:24	
8260D	1,2-Dichloroethane	384	µg/L	15.0	03/01/2024 05:46	
8260D	Ethylbenzene	2440	µg/L	17.0	03/01/2024 05:46	
8260D	Methyl tert-butyl ether (MTBE)	572	µg/L	14.0	03/01/2024 05:46	
8260D	Naphthalene	651	µg/L	47.0	03/01/2024 05:46	
8260D	tert-Butyl Alcohol (TBA)	3600	µg/L	160	03/01/2024 05:46	
8260D	tert-Amyl Alcohol (TAA)	33000	µg/L	1900	03/01/2024 21:24	
8260D	tert-Amyl Methyl Ether (TAME)	45.5	µg/L	28.0	03/01/2024 05:46	J
8260D	Toluene	504	µg/L	22.0	03/01/2024 05:46	
8260D	o-Xylene	4540	µg/L	21.0	03/01/2024 05:46	
8260D	m,p-Xylene	3280	µg/L	42.0	03/01/2024 05:46	
8260D	Xylene (Total)	7820	µg/L	21.0	03/01/2024 05:46	
02261-MW-22	**V 97834**					
8011	1,2-Dibromoethane	0.756	µg/L	0.0568	03/06/2024 14:19	
8260D	Benzene	5430	µg/L	18.0	03/01/2024 06:11	
8260D	1,2-Dichloroethane	46.0	µg/L	15.0	03/01/2024 06:11	J
8260D	Ethylbenzene	2760	µg/L	17.0	03/01/2024 06:11	
8260D	Methyl tert-butyl ether (MTBE)	29.5	µg/L	14.0	03/01/2024 06:11	J
8260D	Naphthalene	797	µg/L	47.0	03/01/2024 06:11	

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-MW-22	**V 97834**					
8260D	tert-Butyl Alcohol (TBA)	518	µg/L	160	03/01/2024 06:11	J
8260D	tert-Amyl Alcohol (TAA)	6390	µg/L	190	03/01/2024 06:11	
8260D	Toluene	183	µg/L	22.0	03/01/2024 06:11	
8260D	o-Xylene	1890	µg/L	21.0	03/01/2024 06:11	
8260D	m,p-Xylene	3220	µg/L	42.0	03/01/2024 06:11	
8260D	Xylene (Total)	5110	µg/L	21.0	03/01/2024 06:11	
02261-MW-24	**V 97835**					
8260D	tert-Butyl Alcohol (TBA)	16.9	µg/L	1.60	03/01/2024 02:28	
8260D	tert-Amyl Alcohol (TAA)	2.39	µg/L	1.90	03/01/2024 02:28	J
02261-MW-25	**V 97836**					
8260D	tert-Butyl Alcohol (TBA)	3.47	µg/L	1.60	03/01/2024 02:53	J
02261-MW-26	**V 97837**					
8260D	tert-Butyl Alcohol (TBA)	2.27	µg/L	1.60	03/01/2024 03:18	J
02261-MW-28	**V 97839**					
8011	1,2-Dibromoethane	62.5	µg/L	5.66	03/06/2024 14:38	
8260D	Benzene	17300	µg/L	180	03/01/2024 21:49	
8260D	1,2-Dichloroethane	1100	µg/L	15.0	03/01/2024 06:35	
8260D	Ethylbenzene	1180	µg/L	17.0	03/01/2024 06:35	
8260D	Methyl tert-butyl ether (MTBE)	4510	µg/L	14.0	03/01/2024 06:35	
8260D	Naphthalene	423	µg/L	47.0	03/01/2024 06:35	
8260D	tert-Butyl Alcohol (TBA)	4120	µg/L	160	03/01/2024 06:35	
8260D	tert-Amyl Alcohol (TAA)	22400	µg/L	1900	03/01/2024 21:49	
8260D	tert-Amyl Methyl Ether (TAME)	129	µg/L	28.0	03/01/2024 06:35	J
8260D	Toluene	1460	µg/L	22.0	03/01/2024 06:35	
8260D	o-Xylene	3950	µg/L	21.0	03/01/2024 06:35	
8260D	m,p-Xylene	2280	µg/L	42.0	03/01/2024 06:35	
8260D	Xylene (Total)	6230	µg/L	21.0	03/01/2024 06:35	
02261-MW-29	**V 97840**					
8011	1,2-Dibromoethane	2.32	µg/L	0.0571	03/06/2024 14:57	
8260D	Benzene	6330	µg/L	18.0	03/01/2024 07:00	
8260D	1,2-Dichloroethane	75.0	µg/L	15.0	03/01/2024 07:00	
8260D	Ethylbenzene	2940	µg/L	17.0	03/01/2024 07:00	
8260D	Methyl tert-butyl ether (MTBE)	110	µg/L	14.0	03/01/2024 07:00	
8260D	Naphthalene	654	µg/L	47.0	03/01/2024 07:00	

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-MW-29	**V 97840**					
8260D	tert-Butyl Alcohol (TBA)	468	µg/L	160	03/01/2024 07:00	J
8260D	tert-Amyl Alcohol (TAA)	3850	µg/L	190	03/01/2024 07:00	
8260D	Toluene	425	µg/L	22.0	03/01/2024 07:00	
8260D	o-Xylene	4130	µg/L	21.0	03/01/2024 07:00	
8260D	m,p-Xylene	5790	µg/L	42.0	03/01/2024 07:00	
8260D	Xylene (Total)	9920	µg/L	21.0	03/01/2024 07:00	
02261-MW-30	**V 97841**					
8011	1,2-Dibromoethane	0.0136	µg/L	0.00563	03/05/2024 10:27	JQ
8260D	Benzene	305	µg/L	18.0	03/01/2024 07:25	
8260D	Ethylbenzene	1330	µg/L	17.0	03/01/2024 07:25	
8260D	Naphthalene	275	µg/L	47.0	03/01/2024 07:25	
8260D	tert-Amyl Alcohol (TAA)	412	µg/L	190	03/01/2024 07:25	J
8260D	Toluene	166	µg/L	22.0	03/01/2024 07:25	
8260D	o-Xylene	1990	µg/L	21.0	03/01/2024 07:25	
8260D	m,p-Xylene	1620	µg/L	42.0	03/01/2024 07:25	
8260D	Xylene (Total)	3610	µg/L	21.0	03/01/2024 07:25	
02261-MW-31	**V 97842**					
8011	1,2-Dibromoethane	55.7	µg/L	5.71	03/06/2024 15:16	
8260D	Benzene	16400	µg/L	180	03/05/2024 19:45	
8260D	1,2-Dichloroethane	422	µg/L	15.0	03/01/2024 07:50	
8260D	Ethylbenzene	1350	µg/L	17.0	03/01/2024 07:50	
8260D	Methyl tert-butyl ether (MTBE)	490	µg/L	14.0	03/01/2024 07:50	
8260D	Naphthalene	450	µg/L	47.0	03/01/2024 07:50	
8260D	tert-Butyl Alcohol (TBA)	3220	µg/L	160	03/01/2024 07:50	
8260D	tert-Amyl Alcohol (TAA)	26700	µg/L	1900	03/05/2024 19:45	
8260D	tert-Amyl Methyl Ether (TAME)	34.1	µg/L	28.0	03/01/2024 07:50	J
8260D	Toluene	2390	µg/L	22.0	03/01/2024 07:50	
8260D	o-Xylene	3480	µg/L	21.0	03/01/2024 07:50	
8260D	m,p-Xylene	6250	µg/L	42.0	03/01/2024 07:50	
8260D	Xylene (Total)	9730	µg/L	21.0	03/01/2024 07:50	
02261-MW-32	**V 97843**					
8260D	tert-Butyl Alcohol (TBA)	3.20	µg/L	1.60	03/01/2024 04:07	J
02261-MW-33	**V 97844**					
8011	1,2-Dibromoethane	0.493	µg/L	0.00574	03/05/2024 11:24	

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-MW-33	**V 97844**					
8260D	Benzene	620	µg/L	18.0	03/01/2024 08:15	
8260D	1,2-Dichloroethane	78.5	µg/L	15.0	03/01/2024 08:15	
8260D	Ethylbenzene	69.1	µg/L	17.0	03/01/2024 08:15	
8260D	Methyl tert-butyl ether (MTBE)	199	µg/L	14.0	03/01/2024 08:15	
8260D	Naphthalene	207	µg/L	47.0	03/01/2024 08:15	
8260D	tert-Butyl Alcohol (TBA)	598	µg/L	160	03/01/2024 08:15	J
8260D	tert-Amyl Alcohol (TAA)	4810	µg/L	190	03/01/2024 08:15	
8260D	o-Xylene	127	µg/L	21.0	03/01/2024 08:15	
8260D	m,p-Xylene	46.2	µg/L	42.0	03/01/2024 08:15	J
8260D	Xylene (Total)	173	µg/L	21.0	03/01/2024 08:15	J
02261-MW-34	**V 97845**					
8260D	Methyl tert-butyl ether (MTBE)	0.876	µg/L	0.140	03/01/2024 14:25	
02261-MW-28I	**V 97847**					
8011	1,2-Dibromoethane	0.0937	µg/L	0.00574	03/05/2024 12:20	
8260D	Benzene	6960	µg/L	18.0	03/01/2024 18:32	
8260D	1,2-Dichloroethane	258	µg/L	15.0	03/01/2024 18:32	
8260D	Ethylbenzene	481	µg/L	17.0	03/01/2024 18:32	
8260D	Methyl tert-butyl ether (MTBE)	1200	µg/L	14.0	03/01/2024 18:32	
8260D	tert-Butyl Alcohol (TBA)	1420	µg/L	160	03/01/2024 18:32	
8260D	tert-Amyl Alcohol (TAA)	8820	µg/L	1900	03/06/2024 21:46	JM
8260D	tert-Amyl Methyl Ether (TAME)	49.6	µg/L	28.0	03/01/2024 18:32	J
8260D	Toluene	114	µg/L	22.0	03/01/2024 18:32	
8260D	o-Xylene	199	µg/L	21.0	03/01/2024 18:32	
8260D	m,p-Xylene	470	µg/L	42.0	03/01/2024 18:32	
8260D	Xylene (Total)	669	µg/L	21.0	03/01/2024 18:32	
02261-MW-29I	**V 97848**					
8011	1,2-Dibromoethane	0.0254	µg/L	0.00577	03/05/2024 12:40	Q
8260D	Benzene	1950	µg/L	18.0	03/01/2024 18:56	
8260D	Ethylbenzene	364	µg/L	17.0	03/01/2024 18:56	
8260D	Methyl tert-butyl ether (MTBE)	74.9	µg/L	14.0	03/01/2024 18:56	
8260D	tert-Amyl Alcohol (TAA)	5540	µg/L	190	03/01/2024 18:56	
8260D	m,p-Xylene	216	µg/L	42.0	03/01/2024 18:56	
8260D	Xylene (Total)	216	µg/L	21.0	03/01/2024 18:56	

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Summary of Detected Analytes

Project: Carolina County Convience

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Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-MW-30I	**V 97849**					
8011	1,2-Dibromoethane	0.460	µg/L	0.00563	03/05/2024 12:59	
8260D	Benzene	7330	µg/L	18.0	03/01/2024 19:21	
8260D	1,2-Dichloroethane	117	µg/L	15.0	03/01/2024 19:21	
8260D	Ethylbenzene	1240	µg/L	17.0	03/01/2024 19:21	
8260D	Methyl tert-butyl ether (MTBE)	400	µg/L	14.0	03/01/2024 19:21	
8260D	Naphthalene	342	µg/L	47.0	03/01/2024 19:21	
8260D	tert-Amyl Alcohol (TAA)	4350	µg/L	190	03/01/2024 19:21	
8260D	Toluene	240	µg/L	22.0	03/01/2024 19:21	
8260D	o-Xylene	1350	µg/L	21.0	03/01/2024 19:21	
8260D	m,p-Xylene	1850	µg/L	42.0	03/01/2024 19:21	
8260D	Xylene (Total)	3200	µg/L	21.0	03/01/2024 19:21	
02261-MW-31I	**V 97850**					
8011	1,2-Dibromoethane	0.131	µg/L	0.00574	03/05/2024 13:55	Q
8260D	Benzene	1220	µg/L	18.0	03/01/2024 19:45	
8260D	Ethylbenzene	186	µg/L	17.0	03/01/2024 19:45	
8260D	Methyl tert-butyl ether (MTBE)	236	µg/L	14.0	03/01/2024 19:45	
8260D	tert-Amyl Alcohol (TAA)	6960	µg/L	190	03/01/2024 19:45	
8260D	Toluene	31.4	µg/L	22.0	03/01/2024 19:45	J
8260D	o-Xylene	201	µg/L	21.0	03/01/2024 19:45	
8260D	m,p-Xylene	214	µg/L	42.0	03/01/2024 19:45	
8260D	Xylene (Total)	415	µg/L	21.0	03/01/2024 19:45	
02261-TW-4	**V 97854**					
8011	1,2-Dibromoethane	0.0870	µg/L	0.00577	03/05/2024 15:12	
8260D	Benzene	5950	µg/L	18.0	03/01/2024 20:10	
8260D	1,2-Dichloroethane	250	µg/L	15.0	03/01/2024 20:10	
8260D	Ethylbenzene	537	µg/L	17.0	03/01/2024 20:10	
8260D	Methyl tert-butyl ether (MTBE)	1340	µg/L	14.0	03/01/2024 20:10	
8260D	tert-Butyl Alcohol (TBA)	1270	µg/L	160	03/01/2024 20:10	
8260D	tert-Amyl Alcohol (TAA)	7520	µg/L	190	03/01/2024 20:10	
8260D	tert-Amyl Methyl Ether (TAME)	46.1	µg/L	28.0	03/01/2024 20:10	J
8260D	Toluene	59.5	µg/L	22.0	03/01/2024 20:10	
8260D	o-Xylene	99.5	µg/L	21.0	03/01/2024 20:10	
8260D	m,p-Xylene	258	µg/L	42.0	03/01/2024 20:10	
8260D	Xylene (Total)	358	µg/L	21.0	03/01/2024 20:10	

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-TW-5	**V 97855**					
8260D	1,2-Dichloroethane	0.751	µg/L	0.150	03/01/2024 16:28	
8260D	Methyl tert-butyl ether (MTBE)	3.55	µg/L	0.140	03/01/2024 16:28	
8260D	tert-Butyl Alcohol (TBA)	22.9	µg/L	1.60	03/01/2024 16:28	
8260D	tert-Amyl Alcohol (TAA)	10.3	µg/L	1.90	03/01/2024 16:28	
02261-TW-8	**V 97857**					
8260D	Benzene	195	µg/L	18.0	03/04/2024 21:20	
8260D	Di-Isopropyl Ether (DIPE)	1.46	µg/L	0.960	03/01/2024 17:17	J
8260D	1,2-Dichloroethane	80.3	µg/L	0.150	03/01/2024 17:17	
8260D	Ethylbenzene	27.6	µg/L	0.170	03/01/2024 17:17	
8260D	Methyl tert-butyl ether (MTBE)	542	µg/L	14.0	03/04/2024 21:20	
8260D	Naphthalene	8.96	µg/L	0.470	03/01/2024 17:17	
8260D	tert-Butyl Alcohol (TBA)	622	µg/L	160	03/04/2024 21:20	J
8260D	tert-Amyl Alcohol (TAA)	1690	µg/L	190	03/04/2024 21:20	
8260D	tert-Amyl Methyl Ether (TAME)	25.2	µg/L	0.280	03/01/2024 17:17	
8260D	Toluene	3.26	µg/L	0.220	03/01/2024 17:17	
8260D	o-Xylene	2.19	µg/L	0.210	03/01/2024 17:17	
8260D	m,p-Xylene	1.60	µg/L	0.420	03/01/2024 17:17	
8260D	Xylene (Total)	3.79	µg/L	0.210	03/01/2024 17:17	
02261-TW-9	**V 97858**					
8260D	tert-Butyl Alcohol (TBA)	2.73	µg/L	1.60	03/04/2024 13:51	J
02261-DUP-A	**V 97860**					
8011	1,2-Dibromoethane	8.91	µg/L	0.582	03/06/2024 16:13	
8260D	Benzene	14500	µg/L	180	03/04/2024 22:34	
8260D	1,2-Dichloroethane	355	µg/L	15.0	03/02/2024 09:20	
8260D	Ethylbenzene	1240	µg/L	17.0	03/02/2024 09:20	
8260D	Methyl tert-butyl ether (MTBE)	1030	µg/L	14.0	03/02/2024 09:20	
8260D	tert-Butyl Alcohol (TBA)	18500	µg/L	160	03/02/2024 09:20	
8260D	tert-Amyl Alcohol (TAA)	16800	µg/L	1900	03/04/2024 22:34	
8260D	Toluene	495	µg/L	22.0	03/02/2024 09:20	
8260D	o-Xylene	2190	µg/L	21.0	03/02/2024 09:20	
8260D	m,p-Xylene	3790	µg/L	42.0	03/02/2024 09:20	
8260D	Xylene (Total)	5980	µg/L	21.0	03/02/2024 09:20	
02261-DUP-B	**V 97861**					
8011	1,2-Dibromoethane	14.3	µg/L	0.582	03/06/2024 16:32	

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Summary of Detected Analytes

Project: Carolina County Convience

Report Number: 24-057-0006

Client Sample ID / Method	Lab Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
02261-DUP-B	**V 97861**					
8260D	Benzene	3690	µg/L	18.0	03/02/2024 09:44	
8260D	1,2-Dichloroethane	112	µg/L	15.0	03/02/2024 09:44	
8260D	Ethylbenzene	461	µg/L	17.0	03/02/2024 09:44	
8260D	Methyl tert-butyl ether (MTBE)	98.3	µg/L	14.0	03/02/2024 09:44	
8260D	tert-Butyl Alcohol (TBA)	644	µg/L	160	03/02/2024 09:44	J
8260D	tert-Amyl Alcohol (TAA)	7360	µg/L	190	03/02/2024 09:44	
8260D	Toluene	3320	µg/L	22.0	03/02/2024 09:44	
8260D	o-Xylene	2570	µg/L	21.0	03/02/2024 09:44	
8260D	m,p-Xylene	2390	µg/L	42.0	03/02/2024 09:44	
8260D	Xylene (Total)	4960	µg/L	21.0	03/02/2024 09:44	
02261-DUP-C	**V 97862**					
8011	1,2-Dibromoethane	3.59	µg/L	0.286	03/06/2024 16:51	
8260D	Benzene	17500	µg/L	180	03/04/2024 22:58	
8260D	1,2-Dichloroethane	336	µg/L	15.0	03/02/2024 10:09	
8260D	Ethylbenzene	2560	µg/L	17.0	03/02/2024 10:09	
8260D	Methyl tert-butyl ether (MTBE)	504	µg/L	14.0	03/02/2024 10:09	
8260D	Naphthalene	714	µg/L	47.0	03/02/2024 10:09	
8260D	tert-Amyl Alcohol (TAA)	29800	µg/L	1900	03/04/2024 22:58	
8260D	Toluene	373	µg/L	22.0	03/02/2024 10:09	
8260D	o-Xylene	4530	µg/L	21.0	03/02/2024 10:09	
8260D	m,p-Xylene	3330	µg/L	42.0	03/02/2024 10:09	
8260D	Xylene (Total)	7860	µg/L	21.0	03/02/2024 10:09	

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Client: Geological Resources, Inc.
Project: Carolina County Convience
Lab Report Number: 24-057-0006
Date: 3/11/2024

CASE NARRATIVE

EDB and DBCP by Microextraction GC/ECD Method 8011
Sample 97841 (02261-MW-30)
Analyte: 1,2-Dibromoethane
QC Batch No: L736966/L736459
Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 97848 (02261-MW-29I)
Analyte: 1,2-Dibromoethane
QC Batch No: L736966/L736459
Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Sample 97850 (02261-MW-31I)
Analyte: 1,2-Dibromoethane
QC Batch No: L736966/L736459
Analyte was detected in both the primary and confirmatory analyses, with a relative percent difference (RPD) of greater than 40% between the two results. These results are flagged Q and the lower of the two values is reported. Analytes with RPD values greater than 100% are reported as non-detect.

Volatile Organic Compounds - GC/MS Method 8260D
Analyte: 1,2-Dichloroethane
QC Batch No: V44419/V44311
Target analyte did not meet calibration verification criteria. Analysis of a low level check demonstrated that there was adequate sensitivity to report this compound at the laboratory reporting limit as non-detect.

Analyte: 1,2-Dichloroethane
QC Batch No: V44614/V44311
Target analyte did not meet calibration verification criteria. Analysis of a low level check demonstrated that there was adequate sensitivity to report this compound at the laboratory reporting limit as non-detect.

Analyte: Di isopropyl ether
QC Batch No: V44614/V44311
Target analyte did not meet calibration verification criteria. Analysis of a low level check demonstrated that there was adequate sensitivity to report this compound at the laboratory reporting limit as non-detect.

Analyte: Ethanol
QC Batch No: V44313/V44311
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: tert-Butyl formate
QC Batch No: V44385/V44311
Target analyte did not meet calibration verification criteria. Analysis of a low level check demonstrated that there was adequate sensitivity to report this compound at the laboratory reporting limit as non-detect.

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Analyte: tert-Amyl alcohol
QC Batch No: V44385/V44376
Relative Percent Difference (RPD) for the duplicate analysis was outside of the allowable QC limits.

Analyte: tert-Amyl alcohol
QC Batch No: V44614/V44376
This target analyte was flagged for recovery outside QC limits in the associated CCV. Data for this analyte is flagged "M" to indicate that results should be considered minimum concentration due to the potential for a low bias.

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00087
Geological Resources, Inc.
Ashleigh Thrash
3502 Hayes Road
Monroe , NC 28110

Project Carolina County Convience
Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97816**
Sample ID : **02261-MW-1**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:38**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	02/29/24 19:54	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.2		Limits: 80-124%		100	02/29/24 19:54	MSA	V44313
Surrogate: Dibromofluoromethane	95.2		Limits: 75-129%		100	02/29/24 19:54	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		100	02/29/24 19:54	MSA	V44313
Surrogate: Toluene-d8	95.2		Limits: 77-123%		100	02/29/24 19:54	MSA	V44313
Surrogate: 4-Bromofluorobenzene	92.6		Limits: 80-124%		1000	03/01/24 20:35	ENM	V44384
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1000	03/01/24 20:35	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	93.2		Limits: 63-136%		1000	03/01/24 20:35	ENM	V44384
Surrogate: Toluene-d8	97.0		Limits: 77-123%		1000	03/01/24 20:35	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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00087
Geological Resources, Inc.
Ashleigh Thrash
3502 Hayes Road
Monroe , NC 28110

Project Carolina County Convience

Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97816**
Sample ID : **02261-MW-1**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:38**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**19.9**	µg/L	0.580	2.07	100	03/06/24 13:03	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**14600**	µg/L	180	500	1000	03/01/24 20:35	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	02/29/24 19:54	MSA	V44313
1,2-Dichloroethane	**463**	µg/L	15.0	50.0	100	02/29/24 19:54	MSA	V44313
Ethanol	<4200	µg/L	4200	20000	100	02/29/24 19:54	MSA	V44313
Ethylbenzene	**1190**	µg/L	17.0	50.0	100	02/29/24 19:54	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	02/29/24 19:54	MSA	V44313
Methyl tert-butyl ether (MTBE)	**1220**	µg/L	14.0	50.0	100	02/29/24 19:54	MSA	V44313
Naphthalene	**257**	µg/L	47.0	100	100	02/29/24 19:54	MSA	V44313
tert-Butyl Alcohol (TBA)	**21100**	µg/L	1600	10000	1000	03/01/24 20:35	ENM	V44384
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	02/29/24 19:54	MSA	V44313
tert-Amyl Alcohol (TAA)	**15900**	µg/L	1900	10000	1000	03/01/24 20:35	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	02/29/24 19:54	MSA	V44313
Toluene	**558**	µg/L	22.0	50.0	100	02/29/24 19:54	MSA	V44313
o-Xylene	**2140**	µg/L	21.0	50.0	100	02/29/24 19:54	MSA	V44313
m,p-Xylene	**3700**	µg/L	42.0	100	100	02/29/24 19:54	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience

Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97816**
Sample ID : **02261-MW-1**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:38**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**5840**	µg/L	21.0	50.0	100	02/29/24 19:54		V44313
Surrogate: 4-Bromofluorobenzene	98.2		Limits: 80-124%		100	02/29/24 19:54	MSA	V44313
Surrogate: Dibromofluoromethane	95.2		Limits: 75-129%		100	02/29/24 19:54	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		100	02/29/24 19:54	MSA	V44313
Surrogate: Toluene-d8	95.2		Limits: 77-123%		100	02/29/24 19:54	MSA	V44313
Surrogate: 4-Bromofluorobenzene	92.6		Limits: 80-124%		1000	03/01/24 20:35	ENM	V44384
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1000	03/01/24 20:35	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	93.2		Limits: 63-136%		1000	03/01/24 20:35	ENM	V44384
Surrogate: Toluene-d8	97.0		Limits: 77-123%		1000	03/01/24 20:35	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97817**
Sample ID : **02261-MW-2**

Matrix: **Aqueous**
Sampled: **2/21/2024 9:48**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 14:33	MSA	8260D
Surrogate: 4-Bromofluorobenzene	112		Limits: 80-124%		1	02/29/24 14:33	MSA	V44313
Surrogate: Dibromofluoromethane	96.0		Limits: 75-129%		1	02/29/24 14:33	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	98.0		Limits: 63-136%		1	02/29/24 14:33	MSA	V44313
Surrogate: Toluene-d8	96.4		Limits: 77-123%		1	02/29/24 14:33	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97817**
Sample ID : **02261-MW-2**

Matrix: **Aqueous**
Sampled: **2/21/2024 9:48**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00577	µg/L	0.00577	0.0206	1	03/05/24 01:17	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 14:33	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 14:33	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 14:33	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 14:33	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 14:33	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 14:33	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 14:33	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 14:33	MSA	V44313
tert-Butyl Alcohol (TBA)	**6.84 J**	µg/L	1.60	10.0	1	02/29/24 14:33	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 14:33	MSA	V44313
tert-Amyl Alcohol (TAA)	**2.80 J**	µg/L	1.90	10.0	1	02/29/24 14:33	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 14:33	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 14:33	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 14:33	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 14:33	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97817**
Sample ID : **02261-MW-2**

Matrix: **Aqueous**
Sampled: **2/21/2024 9:48**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 14:33		V44313
Surrogate: 4-Bromofluorobenzene	112		Limits: 80-124%		1	02/29/24 14:33	MSA	V44313
Surrogate: Dibromofluoromethane	96.0		Limits: 75-129%		1	02/29/24 14:33	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	98.0		Limits: 63-136%		1	02/29/24 14:33	MSA	V44313
Surrogate: Toluene-d8	96.4		Limits: 77-123%		1	02/29/24 14:33	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97818**
Sample ID : **02261-MW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:14**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 14:58	MSA	8260D
Surrogate: 4-Bromofluorobenzene	94.6		Limits: 80-124%		1	02/29/24 14:58	MSA	V44313
Surrogate: Dibromofluoromethane	97.6		Limits: 75-129%		1	02/29/24 14:58	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 63-136%		1	02/29/24 14:58	MSA	V44313
Surrogate: Toluene-d8	104		Limits: 77-123%		1	02/29/24 14:58	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97818**
Sample ID : **02261-MW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:14**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00574	µg/L	0.00574	0.0205	1	03/05/24 01:36	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 14:58	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 14:58	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 14:58	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 14:58	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 14:58	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 14:58	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 14:58	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 14:58	MSA	V44313
tert-Butyl Alcohol (TBA)	**5.39 J**	µg/L	1.60	10.0	1	02/29/24 14:58	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 14:58	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 14:58	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 14:58	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 14:58	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 14:58	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 14:58	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97818**
Sample ID : **02261-MW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:14**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 14:58		V44313
Surrogate: 4-Bromofluorobenzene	94.6		Limits: 80-124%		1	02/29/24 14:58	MSA	V44313
Surrogate: Dibromofluoromethane	97.6		Limits: 75-129%		1	02/29/24 14:58	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	98.8		Limits: 63-136%		1	02/29/24 14:58	MSA	V44313
Surrogate: Toluene-d8	104		Limits: 77-123%		1	02/29/24 14:58	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97819**
Sample ID : **02261-MW-4**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:37**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 15:22	MSA	8260D
Surrogate: 4-Bromofluorobenzene	113		Limits: 80-124%		1	02/29/24 15:22	MSA	V44313
Surrogate: Dibromofluoromethane	96.6		Limits: 75-129%		1	02/29/24 15:22	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	97.0		Limits: 63-136%		1	02/29/24 15:22	MSA	V44313
Surrogate: Toluene-d8	108		Limits: 77-123%		1	02/29/24 15:22	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97819**
Sample ID : **02261-MW-4**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:37**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00580	µg/L	0.00580	0.0207	1	03/05/24 01:55	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 15:22	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 15:22	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 15:22	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 15:22	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 15:22	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 15:22	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 15:22	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 15:22	MSA	V44313
tert-Butyl Alcohol (TBA)	**4.75 J**	µg/L	1.60	10.0	1	02/29/24 15:22	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 15:22	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 15:22	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 15:22	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 15:22	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 15:22	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 15:22	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97819**
Sample ID : **02261-MW-4**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:37**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 15:22		V44313
Surrogate: 4-Bromofluorobenzene	113		Limits: 80-124%		1	02/29/24 15:22	MSA	V44313
Surrogate: Dibromofluoromethane	96.6		Limits: 75-129%		1	02/29/24 15:22	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	97.0		Limits: 63-136%		1	02/29/24 15:22	MSA	V44313
Surrogate: Toluene-d8	108		Limits: 77-123%		1	02/29/24 15:22	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97820**
Sample ID : **02261-MW-5**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:51**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 15:47	MSA	8260D
Surrogate: 4-Bromofluorobenzene	112		Limits: 80-124%		1	02/29/24 15:47	MSA	V44313
Surrogate: Dibromofluoromethane	97.2		Limits: 75-129%		1	02/29/24 15:47	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	99.4		Limits: 63-136%		1	02/29/24 15:47	MSA	V44313
Surrogate: Toluene-d8	107		Limits: 77-123%		1	02/29/24 15:47	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97820**
Sample ID : **02261-MW-5**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:51**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00571	µg/L	0.00571	0.0204	1	03/05/24 02:14	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 15:47	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 15:47	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 15:47	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 15:47	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 15:47	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 15:47	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 15:47	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 15:47	MSA	V44313
tert-Butyl Alcohol (TBA)	**5.85 J**	µg/L	1.60	10.0	1	02/29/24 15:47	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 15:47	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 15:47	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 15:47	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 15:47	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 15:47	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 15:47	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97820**
Sample ID : **02261-MW-5**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:51**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 15:47		V44313
Surrogate: 4-Bromofluorobenzene	112		Limits: 80-124%		1	02/29/24 15:47	MSA	V44313
Surrogate: Dibromofluoromethane	97.2		Limits: 75-129%		1	02/29/24 15:47	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	99.4		Limits: 63-136%		1	02/29/24 15:47	MSA	V44313
Surrogate: Toluene-d8	107		Limits: 77-123%		1	02/29/24 15:47	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97821**
Sample ID : **02261-MW-6**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 16:11	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	02/29/24 16:11	MSA	V44313
Surrogate: Dibromofluoromethane	103		Limits: 75-129%		1	02/29/24 16:11	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	97.0		Limits: 63-136%		1	02/29/24 16:11	MSA	V44313
Surrogate: Toluene-d8	92.2		Limits: 77-123%		1	02/29/24 16:11	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97821**
Sample ID : **02261-MW-6**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:28**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00582	µg/L	0.00582	0.0208	1	03/05/24 02:33	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 16:11	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 16:11	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 16:11	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 16:11	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 16:11	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 16:11	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 16:11	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 16:11	MSA	V44313
tert-Butyl Alcohol (TBA)	**4.06 J**	µg/L	1.60	10.0	1	02/29/24 16:11	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 16:11	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 16:11	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 16:11	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 16:11	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 16:11	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 16:11	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97821**
Sample ID : **02261-MW-6**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:28**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 16:11		V44313
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	02/29/24 16:11	MSA	V44313
Surrogate: Dibromofluoromethane	103		Limits: 75-129%		1	02/29/24 16:11	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	97.0		Limits: 63-136%		1	02/29/24 16:11	MSA	V44313
Surrogate: Toluene-d8	92.2		Limits: 77-123%		1	02/29/24 16:11	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97822**
Sample ID : **02261-MW-7**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:56**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 16:36	MSA	8260D
Surrogate: 4-Bromofluorobenzene	101		Limits: 80-124%		1	02/29/24 16:36	MSA	V44313
Surrogate: Dibromofluoromethane	97.4		Limits: 75-129%		1	02/29/24 16:36	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	96.0		Limits: 63-136%		1	02/29/24 16:36	MSA	V44313
Surrogate: Toluene-d8	95.8		Limits: 77-123%		1	02/29/24 16:36	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97822**
Sample ID : **02261-MW-7**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:56**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00571	µg/L	0.00571	0.0204	1	03/05/24 02:52	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 16:36	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 16:36	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 16:36	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 16:36	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 16:36	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 16:36	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 16:36	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 16:36	MSA	V44313
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	02/29/24 16:36	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 16:36	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 16:36	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 16:36	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 16:36	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 16:36	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 16:36	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97822**
Sample ID : **02261-MW-7**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:56**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 16:36		V44313
Surrogate: 4-Bromofluorobenzene	101		Limits: 80-124%		1	02/29/24 16:36	MSA	V44313
Surrogate: Dibromofluoromethane	97.4		Limits: 75-129%		1	02/29/24 16:36	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	96.0		Limits: 63-136%		1	02/29/24 16:36	MSA	V44313
Surrogate: Toluene-d8	95.8		Limits: 77-123%		1	02/29/24 16:36	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97823**
Sample ID : **02261-MW-8**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:19**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 17:01	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	02/29/24 17:01	MSA	V44313
Surrogate: Dibromofluoromethane	96.6		Limits: 75-129%		1	02/29/24 17:01	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	95.8		Limits: 63-136%		1	02/29/24 17:01	MSA	V44313
Surrogate: Toluene-d8	97.8		Limits: 77-123%		1	02/29/24 17:01	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97823**
Sample ID : **02261-MW-8**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:19**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00577	µg/L	0.00577	0.0206	1	03/05/24 03:11	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 17:01	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 17:01	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 17:01	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 17:01	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 17:01	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 17:01	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 17:01	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 17:01	MSA	V44313
tert-Butyl Alcohol (TBA)	**5.43 J**	µg/L	1.60	10.0	1	02/29/24 17:01	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 17:01	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 17:01	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 17:01	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 17:01	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 17:01	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 17:01	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97823**
Sample ID : **02261-MW-8**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:19**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 17:01		V44313
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	02/29/24 17:01	MSA	V44313
Surrogate: Dibromofluoromethane	96.6		Limits: 75-129%		1	02/29/24 17:01	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	95.8		Limits: 63-136%		1	02/29/24 17:01	MSA	V44313
Surrogate: Toluene-d8	97.8		Limits: 77-123%		1	02/29/24 17:01	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97824**
Sample ID : **02261-MW-9**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:42**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 17:25	MSA	8260D
Surrogate: 4-Bromofluorobenzene	97.0		Limits: 80-124%		1	02/29/24 17:25	MSA	V44313
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	02/29/24 17:25	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	103		Limits: 63-136%		1	02/29/24 17:25	MSA	V44313
Surrogate: Toluene-d8	93.6		Limits: 77-123%		1	02/29/24 17:25	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97824**
Sample ID : **02261-MW-9**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:42**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00582	µg/L	0.00582	0.0208	1	03/05/24 03:30	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	02/29/24 17:25	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 17:25	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 17:25	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 17:25	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 17:25	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 17:25	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 17:25	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 17:25	MSA	V44313
tert-Butyl Alcohol (TBA)	**4.15 J**	µg/L	1.60	10.0	1	02/29/24 17:25	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 17:25	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 17:25	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 17:25	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 17:25	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 17:25	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 17:25	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97824**
Sample ID : **02261-MW-9**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:42**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 17:25		V44313
Surrogate: 4-Bromofluorobenzene	97.0		Limits: 80-124%		1	02/29/24 17:25	MSA	V44313
Surrogate: Dibromofluoromethane	100		Limits: 75-129%		1	02/29/24 17:25	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	103		Limits: 63-136%		1	02/29/24 17:25	MSA	V44313
Surrogate: Toluene-d8	93.6		Limits: 77-123%		1	02/29/24 17:25	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97825**
Sample ID : **02261-MW-10**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:02**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	02/29/24 17:50	MSA	8260D
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		1	02/29/24 17:50	MSA	V44313
Surrogate: Dibromofluoromethane	99.4		Limits: 75-129%		1	02/29/24 17:50	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 63-136%		1	02/29/24 17:50	MSA	V44313
Surrogate: Toluene-d8	94.8		Limits: 77-123%		1	02/29/24 17:50	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97825**
Sample ID : **02261-MW-10**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:02**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00571	µg/L	0.00571	0.0204	1	03/05/24 03:49	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**0.491 J**	µg/L	0.180	0.500	1	02/29/24 17:50	MSA	V44313
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	02/29/24 17:50	MSA	V44313
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	02/29/24 17:50	MSA	V44313
Ethanol	<42.0	µg/L	42.0	200	1	02/29/24 17:50	MSA	V44313
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	02/29/24 17:50	MSA	V44313
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	02/29/24 17:50	MSA	V44313
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	02/29/24 17:50	MSA	V44313
Naphthalene	<0.470	µg/L	0.470	1.00	1	02/29/24 17:50	MSA	V44313
tert-Butyl Alcohol (TBA)	**4.00 J**	µg/L	1.60	10.0	1	02/29/24 17:50	MSA	V44313
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	02/29/24 17:50	MSA	V44313
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	02/29/24 17:50	MSA	V44313
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	02/29/24 17:50	MSA	V44313
Toluene	<0.220	µg/L	0.220	0.500	1	02/29/24 17:50	MSA	V44313
o-Xylene	<0.210	µg/L	0.210	0.500	1	02/29/24 17:50	MSA	V44313
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	02/29/24 17:50	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97825**
Sample ID : **02261-MW-10**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:02**

Analytical Method: 8260D **Prep Batch(es):** **V44311** 02/29/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	02/29/24 17:50		V44313
Surrogate: 4-Bromofluorobenzene	103		Limits: 80-124%		1	02/29/24 17:50	MSA	V44313
Surrogate: Dibromofluoromethane	99.4		Limits: 75-129%		1	02/29/24 17:50	MSA	V44313
Surrogate: 1,2-Dichloroethane - d4	102		Limits: 63-136%		1	02/29/24 17:50	MSA	V44313
Surrogate: Toluene-d8	94.8		Limits: 77-123%		1	02/29/24 17:50	MSA	V44313

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97826**
Sample ID : **02261-MW-12**

Matrix: **Aqueous**
Sampled: **2/21/2024 12:17**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 04:32	MSA	8260D
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		100	03/01/24 04:32	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		100	03/01/24 04:32	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	93.2		Limits: 63-136%		100	03/01/24 04:32	MSA	V44316
Surrogate: Toluene-d8	94.0		Limits: 77-123%		100	03/01/24 04:32	MSA	V44316
Surrogate: 4-Bromofluorobenzene	94.0		Limits: 80-124%		1000	03/01/24 20:59	ENM	V44384
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1000	03/01/24 20:59	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	90.6		Limits: 63-136%		1000	03/01/24 20:59	ENM	V44384
Surrogate: Toluene-d8	97.4		Limits: 77-123%		1000	03/01/24 20:59	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97826**
Sample ID : **02261-MW-12**

Matrix: **Aqueous**
Sampled: **2/21/2024 12:17**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00582	µg/L	0.00582	0.0208	1	03/05/24 04:08	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**13100**	µg/L	180	500	1000	03/01/24 20:59	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 04:32	MSA	V44316
1,2-Dichloroethane	**248**	µg/L	15.0	50.0	100	03/01/24 04:32	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 04:32	MSA	V44316
Ethylbenzene	**2380**	µg/L	17.0	50.0	100	03/01/24 04:32	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 04:32	MSA	V44316
Methyl tert-butyl ether (MTBE)	**296**	µg/L	14.0	50.0	100	03/01/24 04:32	MSA	V44316
Naphthalene	**567**	µg/L	47.0	100	100	03/01/24 04:32	MSA	V44316
tert-Butyl Alcohol (TBA)	**2250**	µg/L	160	1000	100	03/01/24 04:32	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 04:32	MSA	V44316
tert-Amyl Alcohol (TAA)	**21800**	µg/L	1900	10000	1000	03/01/24 20:59	ENM	V44384
tert-Amyl Methyl Ether (TAME)	**31.5 J**	µg/L	28.0	1000	100	03/01/24 04:32	MSA	V44316
Toluene	**401**	µg/L	22.0	50.0	100	03/01/24 04:32	MSA	V44316
o-Xylene	**3570**	µg/L	21.0	50.0	100	03/01/24 04:32	MSA	V44316
m,p-Xylene	**2940**	µg/L	42.0	100	100	03/01/24 04:32	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97826**
Sample ID : **02261-MW-12**

Matrix: **Aqueous**
Sampled: **2/21/2024 12:17**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**6510**	µg/L	21.0	50.0	100	03/01/24 04:32		V44316
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		100	03/01/24 04:32	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		100	03/01/24 04:32	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	93.2		Limits: 63-136%		100	03/01/24 04:32	MSA	V44316
Surrogate: Toluene-d8	94.0		Limits: 77-123%		100	03/01/24 04:32	MSA	V44316
Surrogate: 4-Bromofluorobenzene	94.0		Limits: 80-124%		1000	03/01/24 20:59	ENM	V44384
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1000	03/01/24 20:59	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	90.6		Limits: 63-136%		1000	03/01/24 20:59	ENM	V44384
Surrogate: Toluene-d8	97.4		Limits: 77-123%		1000	03/01/24 20:59	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97827**
Sample ID : **02261-MW-13**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:43**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 04:57	MSA	8260D
Surrogate: 4-Bromofluorobenzene	97.0		Limits: 80-124%		100	03/01/24 04:57	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 04:57	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.0		Limits: 63-136%		100	03/01/24 04:57	MSA	V44316
Surrogate: Toluene-d8	94.0		Limits: 77-123%		100	03/01/24 04:57	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97827**
Sample ID : **02261-MW-13**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:43**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.479**	µg/L	0.00582	0.0208	1	03/05/24 04:27	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**2080**	µg/L	18.0	50.0	100	03/01/24 04:57	MSA	V44316
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 04:57	MSA	V44316
1,2-Dichloroethane	<15.0	µg/L	15.0	50.0	100	03/01/24 04:57	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 04:57	MSA	V44316
Ethylbenzene	**642**	µg/L	17.0	50.0	100	03/01/24 04:57	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 04:57	MSA	V44316
Methyl tert-butyl ether (MTBE)	<14.0	µg/L	14.0	50.0	100	03/01/24 04:57	MSA	V44316
Naphthalene	**270**	µg/L	47.0	100	100	03/01/24 04:57	MSA	V44316
tert-Butyl Alcohol (TBA)	**249 J**	µg/L	160	1000	100	03/01/24 04:57	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 04:57	MSA	V44316
tert-Amyl Alcohol (TAA)	**3120**	µg/L	190	1000	100	03/01/24 04:57	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 04:57	MSA	V44316
Toluene	**63.7**	µg/L	22.0	50.0	100	03/01/24 04:57	MSA	V44316
o-Xylene	**1030**	µg/L	21.0	50.0	100	03/01/24 04:57	MSA	V44316
m,p-Xylene	**955**	µg/L	42.0	100	100	03/01/24 04:57	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97827**
Sample ID : **02261-MW-13**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:43**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**1990**	µg/L	21.0	50.0	100	03/01/24 04:57		V44316
Surrogate: 4-Bromofluorobenzene	97.0		Limits: 80-124%		100	03/01/24 04:57	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 04:57	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.0		Limits: 63-136%		100	03/01/24 04:57	MSA	V44316
Surrogate: Toluene-d8	94.0		Limits: 77-123%		100	03/01/24 04:57	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97828**
Sample ID : **02261-MW-14**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 05:21	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		100	03/01/24 05:21	MSA	V44316
Surrogate: Dibromofluoromethane	94.0		Limits: 75-129%		100	03/01/24 05:21	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.0		Limits: 63-136%		100	03/01/24 05:21	MSA	V44316
Surrogate: Toluene-d8	96.4		Limits: 77-123%		100	03/01/24 05:21	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97828**
Sample ID : **02261-MW-14**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:35**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**24.7**	µg/L	0.577	2.06	100	03/06/24 13:41	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**3250**	µg/L	18.0	50.0	100	03/01/24 05:21	MSA	V44316
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 05:21	MSA	V44316
1,2-Dichloroethane	**97.4**	µg/L	15.0	50.0	100	03/01/24 05:21	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 05:21	MSA	V44316
Ethylbenzene	**341**	µg/L	17.0	50.0	100	03/01/24 05:21	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 05:21	MSA	V44316
Methyl tert-butyl ether (MTBE)	**88.3**	µg/L	14.0	50.0	100	03/01/24 05:21	MSA	V44316
Naphthalene	**196**	µg/L	47.0	100	100	03/01/24 05:21	MSA	V44316
tert-Butyl Alcohol (TBA)	**529 J**	µg/L	160	1000	100	03/01/24 05:21	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 05:21	MSA	V44316
tert-Amyl Alcohol (TAA)	**7310**	µg/L	190	1000	100	03/01/24 05:21	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 05:21	MSA	V44316
Toluene	**3160**	µg/L	22.0	50.0	100	03/01/24 05:21	MSA	V44316
o-Xylene	**1980**	µg/L	21.0	50.0	100	03/01/24 05:21	MSA	V44316
m,p-Xylene	**1770**	µg/L	42.0	100	100	03/01/24 05:21	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97828**
Sample ID : **02261-MW-14**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:35**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**3750**	µg/L	21.0	50.0	100	03/01/24 05:21		V44316
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		100	03/01/24 05:21	MSA	V44316
Surrogate: Dibromofluoromethane	94.0		Limits: 75-129%		100	03/01/24 05:21	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.0		Limits: 63-136%		100	03/01/24 05:21	MSA	V44316
Surrogate: Toluene-d8	96.4		Limits: 77-123%		100	03/01/24 05:21	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97829**
Sample ID : **02261-MW-16**

Matrix: **Aqueous**
Sampled: **2/21/2024 12:06**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 00:49	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.0		Limits: 80-124%		1	03/01/24 00:49	MSA	V44316
Surrogate: Dibromofluoromethane	96.0		Limits: 75-129%		1	03/01/24 00:49	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 00:49	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		1	03/01/24 00:49	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97829**
Sample ID : **02261-MW-16**

Matrix: **Aqueous**
Sampled: **2/21/2024 12:06**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00580	µg/L	0.00580	0.0207	1	03/05/24 05:05	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 00:49	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 00:49	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 00:49	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 00:49	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 00:49	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 00:49	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 00:49	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 00:49	MSA	V44316
tert-Butyl Alcohol (TBA)	**2.09 J**	µg/L	1.60	10.0	1	03/01/24 00:49	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 00:49	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 00:49	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 00:49	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 00:49	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 00:49	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 00:49	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97829**
Sample ID : **02261-MW-16**

Matrix: **Aqueous**
Sampled: **2/21/2024 12:06**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 00:49		V44316
Surrogate: 4-Bromofluorobenzene	98.0		Limits: 80-124%		1	03/01/24 00:49	MSA	V44316
Surrogate: Dibromofluoromethane	96.0		Limits: 75-129%		1	03/01/24 00:49	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 00:49	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		1	03/01/24 00:49	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97830**
Sample ID : **02261-MW-17**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 01:14	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.6		Limits: 80-124%		1	03/01/24 01:14	MSA	V44316
Surrogate: Dibromofluoromethane	94.0		Limits: 75-129%		1	03/01/24 01:14	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		1	03/01/24 01:14	MSA	V44316
Surrogate: Toluene-d8	95.8		Limits: 77-123%		1	03/01/24 01:14	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97830**
Sample ID : **02261-MW-17**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:30**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00588	µg/L	0.00588	0.0210	1	03/05/24 05:23	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 01:14	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 01:14	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 01:14	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 01:14	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 01:14	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 01:14	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 01:14	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 01:14	MSA	V44316
tert-Butyl Alcohol (TBA)	**2.92 J**	µg/L	1.60	10.0	1	03/01/24 01:14	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 01:14	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 01:14	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 01:14	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 01:14	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 01:14	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 01:14	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97830**
Sample ID : **02261-MW-17**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:30**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 01:14		V44316
Surrogate: 4-Bromofluorobenzene	98.6		Limits: 80-124%		1	03/01/24 01:14	MSA	V44316
Surrogate: Dibromofluoromethane	94.0		Limits: 75-129%		1	03/01/24 01:14	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		1	03/01/24 01:14	MSA	V44316
Surrogate: Toluene-d8	95.8		Limits: 77-123%		1	03/01/24 01:14	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97831**
Sample ID : **02261-MW-18**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:49**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 01:39	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.6		Limits: 80-124%		1	03/01/24 01:39	MSA	V44316
Surrogate: Dibromofluoromethane	94.8		Limits: 75-129%		1	03/01/24 01:39	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%		1	03/01/24 01:39	MSA	V44316
Surrogate: Toluene-d8	94.8		Limits: 77-123%		1	03/01/24 01:39	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97831**
Sample ID : **02261-MW-18**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:49**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00594	µg/L	0.00594	0.0212	1	03/05/24 05:42	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 01:39	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 01:39	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 01:39	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 01:39	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 01:39	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 01:39	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 01:39	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 01:39	MSA	V44316
tert-Butyl Alcohol (TBA)	**4.91 J**	µg/L	1.60	10.0	1	03/01/24 01:39	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 01:39	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 01:39	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 01:39	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 01:39	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 01:39	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 01:39	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience
Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97831**
Sample ID : **02261-MW-18**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:49**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 01:39		V44316
Surrogate: 4-Bromofluorobenzene	99.6		Limits: 80-124%		1	03/01/24 01:39	MSA	V44316
Surrogate: Dibromofluoromethane	94.8		Limits: 75-129%		1	03/01/24 01:39	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%		1	03/01/24 01:39	MSA	V44316
Surrogate: Toluene-d8	94.8		Limits: 77-123%		1	03/01/24 01:39	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97832**
Sample ID : **02261-MW-19**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:40**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 02:04	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.6		Limits: 80-124%		1	03/01/24 02:04	MSA	V44316
Surrogate: Dibromofluoromethane	95.2		Limits: 75-129%		1	03/01/24 02:04	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.2		Limits: 63-136%		1	03/01/24 02:04	MSA	V44316
Surrogate: Toluene-d8	96.4		Limits: 77-123%		1	03/01/24 02:04	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97832**
Sample ID : **02261-MW-19**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:40**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00574	µg/L	0.00574	0.0205	1	03/05/24 06:01	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**0.209 J**	µg/L	0.180	0.500	1	03/01/24 02:04	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 02:04	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 02:04	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 02:04	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 02:04	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 02:04	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 02:04	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 02:04	MSA	V44316
tert-Butyl Alcohol (TBA)	**3.27 J**	µg/L	1.60	10.0	1	03/01/24 02:04	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 02:04	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 02:04	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 02:04	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 02:04	MSA	V44316
o-Xylene	**0.216 J**	µg/L	0.210	0.500	1	03/01/24 02:04	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 02:04	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97832**
Sample ID : **02261-MW-19**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:40**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**0.216 J**	µg/L	0.210	0.500	1	03/01/24 02:04		V44316
Surrogate: 4-Bromofluorobenzene	98.6		Limits: 80-124%		1	03/01/24 02:04	MSA	V44316
Surrogate: Dibromofluoromethane	95.2		Limits: 75-129%		1	03/01/24 02:04	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.2		Limits: 63-136%		1	03/01/24 02:04	MSA	V44316
Surrogate: Toluene-d8	96.4		Limits: 77-123%		1	03/01/24 02:04	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97833**
Sample ID : **02261-MW-21**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:12**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 05:46	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.2		Limits: 80-124%		100	03/01/24 05:46	MSA	V44316
Surrogate: Dibromofluoromethane	94.8		Limits: 75-129%		100	03/01/24 05:46	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		100	03/01/24 05:46	MSA	V44316
Surrogate: Toluene-d8	94.8		Limits: 77-123%		100	03/01/24 05:46	MSA	V44316
Surrogate: 4-Bromofluorobenzene	92.6		Limits: 80-124%		1000	03/01/24 21:24	ENM	V44384
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		1000	03/01/24 21:24	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	95.0		Limits: 63-136%		1000	03/01/24 21:24	ENM	V44384
Surrogate: Toluene-d8	105		Limits: 77-123%		1000	03/01/24 21:24	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97833**
Sample ID : **02261-MW-21**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:12**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**10.8**	µg/L	0.580	2.07	100	03/06/24 14:00	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**16300**	µg/L	180	500	1000	03/01/24 21:24	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 05:46	MSA	V44316
1,2-Dichloroethane	**384**	µg/L	15.0	50.0	100	03/01/24 05:46	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 05:46	MSA	V44316
Ethylbenzene	**2440**	µg/L	17.0	50.0	100	03/01/24 05:46	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 05:46	MSA	V44316
Methyl tert-butyl ether (MTBE)	**572**	µg/L	14.0	50.0	100	03/01/24 05:46	MSA	V44316
Naphthalene	**651**	µg/L	47.0	100	100	03/01/24 05:46	MSA	V44316
tert-Butyl Alcohol (TBA)	**3600**	µg/L	160	1000	100	03/01/24 05:46	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 05:46	MSA	V44316
tert-Amyl Alcohol (TAA)	**33000**	µg/L	1900	10000	1000	03/01/24 21:24	ENM	V44384
tert-Amyl Methyl Ether (TAME)	**45.5 J**	µg/L	28.0	1000	100	03/01/24 05:46	MSA	V44316
Toluene	**504**	µg/L	22.0	50.0	100	03/01/24 05:46	MSA	V44316
o-Xylene	**4540**	µg/L	21.0	50.0	100	03/01/24 05:46	MSA	V44316
m,p-Xylene	**3280**	µg/L	42.0	100	100	03/01/24 05:46	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97833**
Sample ID : **02261-MW-21**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:12**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**7820**	µg/L	21.0	50.0	100	03/01/24 05:46		V44316
Surrogate: 4-Bromofluorobenzene	99.2		Limits: 80-124%		100	03/01/24 05:46	MSA	V44316
Surrogate: Dibromofluoromethane	94.8		Limits: 75-129%		100	03/01/24 05:46	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		100	03/01/24 05:46	MSA	V44316
Surrogate: Toluene-d8	94.8		Limits: 77-123%		100	03/01/24 05:46	MSA	V44316
Surrogate: 4-Bromofluorobenzene	92.6		Limits: 80-124%		1000	03/01/24 21:24	ENM	V44384
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		1000	03/01/24 21:24	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	95.0		Limits: 63-136%		1000	03/01/24 21:24	ENM	V44384
Surrogate: Toluene-d8	105		Limits: 77-123%		1000	03/01/24 21:24	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97834**
Sample ID : **02261-MW-22**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:28**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 06:11	MSA	8260D
Surrogate: 4-Bromofluorobenzene	97.0		Limits: 80-124%		100	03/01/24 06:11	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 06:11	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	89.0		Limits: 63-136%		100	03/01/24 06:11	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		100	03/01/24 06:11	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97834**
Sample ID : **02261-MW-22**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:28**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.756**	µg/L	0.0568	0.203	10	03/06/24 14:19	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**5430**	µg/L	18.0	50.0	100	03/01/24 06:11	MSA	V44316
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 06:11	MSA	V44316
1,2-Dichloroethane	**46.0 J**	µg/L	15.0	50.0	100	03/01/24 06:11	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 06:11	MSA	V44316
Ethylbenzene	**2760**	µg/L	17.0	50.0	100	03/01/24 06:11	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 06:11	MSA	V44316
Methyl tert-butyl ether (MTBE)	**29.5 J**	µg/L	14.0	50.0	100	03/01/24 06:11	MSA	V44316
Naphthalene	**797**	µg/L	47.0	100	100	03/01/24 06:11	MSA	V44316
tert-Butyl Alcohol (TBA)	**518 J**	µg/L	160	1000	100	03/01/24 06:11	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 06:11	MSA	V44316
tert-Amyl Alcohol (TAA)	**6390**	µg/L	190	1000	100	03/01/24 06:11	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 06:11	MSA	V44316
Toluene	**183**	µg/L	22.0	50.0	100	03/01/24 06:11	MSA	V44316
o-Xylene	**1890**	µg/L	21.0	50.0	100	03/01/24 06:11	MSA	V44316
m,p-Xylene	**3220**	µg/L	42.0	100	100	03/01/24 06:11	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97834**
Sample ID : **02261-MW-22**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:28**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**5110**	µg/L	21.0	50.0	100	03/01/24 06:11		V44316
Surrogate: 4-Bromofluorobenzene	97.0		Limits: 80-124%		100	03/01/24 06:11	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 06:11	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	89.0		Limits: 63-136%		100	03/01/24 06:11	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		100	03/01/24 06:11	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97835**
Sample ID : **02261-MW-24**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:43**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 02:28	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.0		Limits: 80-124%		1	03/01/24 02:28	MSA	V44316
Surrogate: Dibromofluoromethane	95.0		Limits: 75-129%		1	03/01/24 02:28	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 02:28	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 02:28	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97835**
Sample ID : **02261-MW-24**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:43**

Analytical Method: 8011 **Prep Batch(es):** **L736457** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00577	µg/L	0.00577	0.0206	1	03/05/24 07:36	SWB	L736965

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 02:28	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 02:28	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 02:28	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 02:28	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 02:28	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 02:28	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 02:28	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 02:28	MSA	V44316
tert-Butyl Alcohol (TBA)	**16.9**	µg/L	1.60	10.0	1	03/01/24 02:28	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 02:28	MSA	V44316
tert-Amyl Alcohol (TAA)	**2.39 J**	µg/L	1.90	10.0	1	03/01/24 02:28	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 02:28	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 02:28	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 02:28	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 02:28	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience
Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97835**
Sample ID : **02261-MW-24**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:43**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 02:28		V44316
Surrogate: 4-Bromofluorobenzene	98.0		Limits: 80-124%		1	03/01/24 02:28	MSA	V44316
Surrogate: Dibromofluoromethane	95.0		Limits: 75-129%		1	03/01/24 02:28	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 02:28	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 02:28	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97836**
Sample ID : **02261-MW-25**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:18**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 02:53	MSA	8260D
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	03/01/24 02:53	MSA	V44316
Surrogate: Dibromofluoromethane	94.4		Limits: 75-129%		1	03/01/24 02:53	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.4		Limits: 63-136%		1	03/01/24 02:53	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 02:53	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97836**
Sample ID : **02261-MW-25**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:18**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00566	µg/L	0.00566	0.0202	1	03/05/24 08:52	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 02:53	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 02:53	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 02:53	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 02:53	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 02:53	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 02:53	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 02:53	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 02:53	MSA	V44316
tert-Butyl Alcohol (TBA)	**3.47 J**	µg/L	1.60	10.0	1	03/01/24 02:53	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 02:53	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 02:53	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 02:53	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 02:53	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 02:53	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 02:53	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97836**
Sample ID : **02261-MW-25**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:18**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 02:53		V44316
Surrogate: 4-Bromofluorobenzene	99.4		Limits: 80-124%		1	03/01/24 02:53	MSA	V44316
Surrogate: Dibromofluoromethane	94.4		Limits: 75-129%		1	03/01/24 02:53	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.4		Limits: 63-136%		1	03/01/24 02:53	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 02:53	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97837**
Sample ID : **02261-MW-26**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:03**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 03:18	MSA	8260D
Surrogate: 4-Bromofluorobenzene	101		Limits: 80-124%		1	03/01/24 03:18	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		1	03/01/24 03:18	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.8		Limits: 63-136%		1	03/01/24 03:18	MSA	V44316
Surrogate: Toluene-d8	96.8		Limits: 77-123%		1	03/01/24 03:18	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97837**
Sample ID : **02261-MW-26**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:03**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00568	µg/L	0.00568	0.0203	1	03/05/24 09:11	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 03:18	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 03:18	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 03:18	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 03:18	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 03:18	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 03:18	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 03:18	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 03:18	MSA	V44316
tert-Butyl Alcohol (TBA)	**2.27 J**	µg/L	1.60	10.0	1	03/01/24 03:18	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 03:18	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 03:18	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 03:18	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 03:18	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 03:18	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 03:18	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97837**
Sample ID : **02261-MW-26**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:03**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 03:18		V44316
Surrogate: 4-Bromofluorobenzene	101		Limits: 80-124%		1	03/01/24 03:18	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		1	03/01/24 03:18	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.8		Limits: 63-136%		1	03/01/24 03:18	MSA	V44316
Surrogate: Toluene-d8	96.8		Limits: 77-123%		1	03/01/24 03:18	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **02261-MW-27**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:19**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 03:43	MSA	8260D
Surrogate: 4-Bromofluorobenzene	98.4		Limits: 80-124%		1	03/01/24 03:43	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		1	03/01/24 03:43	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%		1	03/01/24 03:43	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 03:43	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **02261-MW-27**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:19**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00568	µg/L	0.00568	0.0203	1	03/05/24 09:30	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 03:43	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 03:43	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 03:43	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 03:43	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 03:43	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 03:43	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 03:43	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 03:43	MSA	V44316
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 03:43	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 03:43	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 03:43	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 03:43	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 03:43	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 03:43	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 03:43	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97838**
Sample ID : **02261-MW-27**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:19**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 03:43		V44316
Surrogate: 4-Bromofluorobenzene	98.4		Limits: 80-124%		1	03/01/24 03:43	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		1	03/01/24 03:43	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%		1	03/01/24 03:43	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 03:43	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **02261-MW-28**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:47**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 06:35	MSA	8260D
Surrogate: 4-Bromofluorobenzene	95.8		Limits: 80-124%		100	03/01/24 06:35	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 06:35	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.2		Limits: 63-136%		100	03/01/24 06:35	MSA	V44316
Surrogate: Toluene-d8	94.8		Limits: 77-123%		100	03/01/24 06:35	MSA	V44316
Surrogate: 4-Bromofluorobenzene	95.8		Limits: 80-124%		1000	03/01/24 21:49	ENM	V44384
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		1000	03/01/24 21:49	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	93.4		Limits: 63-136%		1000	03/01/24 21:49	ENM	V44384
Surrogate: Toluene-d8	100		Limits: 77-123%		1000	03/01/24 21:49	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **02261-MW-28**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:47**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**62.5**	µg/L	5.66	20.2	1000	03/06/24 14:38	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**17300**	µg/L	180	500	1000	03/01/24 21:49	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 06:35	MSA	V44316
1,2-Dichloroethane	**1100**	µg/L	15.0	50.0	100	03/01/24 06:35	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 06:35	MSA	V44316
Ethylbenzene	**1180**	µg/L	17.0	50.0	100	03/01/24 06:35	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 06:35	MSA	V44316
Methyl tert-butyl ether (MTBE)	**4510**	µg/L	14.0	50.0	100	03/01/24 06:35	MSA	V44316
Naphthalene	**423**	µg/L	47.0	100	100	03/01/24 06:35	MSA	V44316
tert-Butyl Alcohol (TBA)	**4120**	µg/L	160	1000	100	03/01/24 06:35	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 06:35	MSA	V44316
tert-Amyl Alcohol (TAA)	**22400**	µg/L	1900	10000	1000	03/01/24 21:49	ENM	V44384
tert-Amyl Methyl Ether (TAME)	**129 J**	µg/L	28.0	1000	100	03/01/24 06:35	MSA	V44316
Toluene	**1460**	µg/L	22.0	50.0	100	03/01/24 06:35	MSA	V44316
o-Xylene	**3950**	µg/L	21.0	50.0	100	03/01/24 06:35	MSA	V44316
m,p-Xylene	**2280**	µg/L	42.0	100	100	03/01/24 06:35	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97839**
Sample ID : **02261-MW-28**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:47**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**6230**	µg/L	21.0	50.0	100	03/01/24 06:35		V44316
Surrogate: 4-Bromofluorobenzene	95.8		Limits: 80-124%		100	03/01/24 06:35	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 06:35	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	91.2		Limits: 63-136%		100	03/01/24 06:35	MSA	V44316
Surrogate: Toluene-d8	94.8		Limits: 77-123%		100	03/01/24 06:35	MSA	V44316
Surrogate: 4-Bromofluorobenzene	95.8		Limits: 80-124%		1000	03/01/24 21:49	ENM	V44384
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		1000	03/01/24 21:49	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	93.4		Limits: 63-136%		1000	03/01/24 21:49	ENM	V44384
Surrogate: Toluene-d8	100		Limits: 77-123%		1000	03/01/24 21:49	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **02261-MW-29**

Matrix: **Aqueous**
Sampled: **2/22/2024 9:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 07:00	MSA	8260D
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		100	03/01/24 07:00	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 07:00	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.0		Limits: 63-136%		100	03/01/24 07:00	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		100	03/01/24 07:00	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **02261-MW-29**

Matrix: **Aqueous**
Sampled: **2/22/2024 9:20**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**2.32**	µg/L	0.0571	0.204	10	03/06/24 14:57	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**6330**	µg/L	18.0	50.0	100	03/01/24 07:00	MSA	V44316
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 07:00	MSA	V44316
1,2-Dichloroethane	**75.0**	µg/L	15.0	50.0	100	03/01/24 07:00	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 07:00	MSA	V44316
Ethylbenzene	**2940**	µg/L	17.0	50.0	100	03/01/24 07:00	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 07:00	MSA	V44316
Methyl tert-butyl ether (MTBE)	**110**	µg/L	14.0	50.0	100	03/01/24 07:00	MSA	V44316
Naphthalene	**654**	µg/L	47.0	100	100	03/01/24 07:00	MSA	V44316
tert-Butyl Alcohol (TBA)	**468 J**	µg/L	160	1000	100	03/01/24 07:00	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 07:00	MSA	V44316
tert-Amyl Alcohol (TAA)	**3850**	µg/L	190	1000	100	03/01/24 07:00	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 07:00	MSA	V44316
Toluene	**425**	µg/L	22.0	50.0	100	03/01/24 07:00	MSA	V44316
o-Xylene	**4130**	µg/L	21.0	50.0	100	03/01/24 07:00	MSA	V44316
m,p-Xylene	**5790**	µg/L	42.0	100	100	03/01/24 07:00	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97840**
Sample ID : **02261-MW-29**

Matrix: **Aqueous**
Sampled: **2/22/2024 9:20**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**9920**	µg/L	21.0	50.0	100	03/01/24 07:00		V44316
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		100	03/01/24 07:00	MSA	V44316
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		100	03/01/24 07:00	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.0		Limits: 63-136%		100	03/01/24 07:00	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		100	03/01/24 07:00	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **02261-MW-30**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:57**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 07:25	MSA	8260D
Surrogate: 4-Bromofluorobenzene	97.6		Limits: 80-124%		100	03/01/24 07:25	MSA	V44316
Surrogate: Dibromofluoromethane	93.4		Limits: 75-129%		100	03/01/24 07:25	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.6		Limits: 63-136%		100	03/01/24 07:25	MSA	V44316
Surrogate: Toluene-d8	97.0		Limits: 77-123%		100	03/01/24 07:25	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **02261-MW-30**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:57**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.0136 JQ**	µg/L	0.00563	0.0201	1	03/05/24 10:27	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**305**	µg/L	18.0	50.0	100	03/01/24 07:25	MSA	V44316
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 07:25	MSA	V44316
1,2-Dichloroethane	<15.0	µg/L	15.0	50.0	100	03/01/24 07:25	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 07:25	MSA	V44316
Ethylbenzene	**1330**	µg/L	17.0	50.0	100	03/01/24 07:25	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 07:25	MSA	V44316
Methyl tert-butyl ether (MTBE)	<14.0	µg/L	14.0	50.0	100	03/01/24 07:25	MSA	V44316
Naphthalene	**275**	µg/L	47.0	100	100	03/01/24 07:25	MSA	V44316
tert-Butyl Alcohol (TBA)	<160	µg/L	160	1000	100	03/01/24 07:25	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 07:25	MSA	V44316
tert-Amyl Alcohol (TAA)	**412 J**	µg/L	190	1000	100	03/01/24 07:25	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 07:25	MSA	V44316
Toluene	**166**	µg/L	22.0	50.0	100	03/01/24 07:25	MSA	V44316
o-Xylene	**1990**	µg/L	21.0	50.0	100	03/01/24 07:25	MSA	V44316
m,p-Xylene	**1620**	µg/L	42.0	100	100	03/01/24 07:25	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97841**
Sample ID : **02261-MW-30**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:57**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**3610**	µg/L	21.0	50.0	100	03/01/24 07:25		V44316
Surrogate: 4-Bromofluorobenzene	97.6		Limits: 80-124%		100	03/01/24 07:25	MSA	V44316
Surrogate: Dibromofluoromethane	93.4		Limits: 75-129%		100	03/01/24 07:25	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.6		Limits: 63-136%		100	03/01/24 07:25	MSA	V44316
Surrogate: Toluene-d8	97.0		Limits: 77-123%		100	03/01/24 07:25	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **02261-MW-31**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:33**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 07:50	MSA	8260D
Surrogate: 4-Bromofluorobenzene	95.8		Limits: 80-124%		100	03/01/24 07:50	MSA	V44316
Surrogate: Dibromofluoromethane	94.0		Limits: 75-129%		100	03/01/24 07:50	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.4		Limits: 63-136%		100	03/01/24 07:50	MSA	V44316
Surrogate: Toluene-d8	96.2		Limits: 77-123%		100	03/01/24 07:50	MSA	V44316
Surrogate: 4-Bromofluorobenzene	92.0		Limits: 80-124%		1000	03/05/24 19:45	ENM	V44510
Surrogate: Dibromofluoromethane	91.8		Limits: 75-129%		1000	03/05/24 19:45	ENM	V44510
Surrogate: 1,2-Dichloroethane - d4	84.6		Limits: 63-136%		1000	03/05/24 19:45	ENM	V44510
Surrogate: Toluene-d8	102		Limits: 77-123%		1000	03/05/24 19:45	ENM	V44510

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **02261-MW-31**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:33**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**55.7**	µg/L	5.71	20.4	1000	03/06/24 15:16	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44500** 03/05/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**16400**	µg/L	180	500	1000	03/05/24 19:45	ENM	V44510
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 07:50	MSA	V44316
1,2-Dichloroethane	**422**	µg/L	15.0	50.0	100	03/01/24 07:50	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 07:50	MSA	V44316
Ethylbenzene	**1350**	µg/L	17.0	50.0	100	03/01/24 07:50	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 07:50	MSA	V44316
Methyl tert-butyl ether (MTBE)	**490**	µg/L	14.0	50.0	100	03/01/24 07:50	MSA	V44316
Naphthalene	**450**	µg/L	47.0	100	100	03/01/24 07:50	MSA	V44316
tert-Butyl Alcohol (TBA)	**3220**	µg/L	160	1000	100	03/01/24 07:50	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 07:50	MSA	V44316
tert-Amyl Alcohol (TAA)	**26700**	µg/L	1900	10000	1000	03/05/24 19:45	ENM	V44510
tert-Amyl Methyl Ether (TAME)	**34.1 J**	µg/L	28.0	1000	100	03/01/24 07:50	MSA	V44316
Toluene	**2390**	µg/L	22.0	50.0	100	03/01/24 07:50	MSA	V44316
o-Xylene	**3480**	µg/L	21.0	50.0	100	03/01/24 07:50	MSA	V44316
m,p-Xylene	**6250**	µg/L	42.0	100	100	03/01/24 07:50	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97842**
Sample ID : **02261-MW-31**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:33**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00 **V44500** 03/05/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**9730**	µg/L	21.0	50.0	100	03/01/24 07:50		V44316
Surrogate: 4-Bromofluorobenzene	95.8		Limits: 80-124%		100	03/01/24 07:50	MSA	V44316
Surrogate: Dibromofluoromethane	94.0		Limits: 75-129%		100	03/01/24 07:50	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.4		Limits: 63-136%		100	03/01/24 07:50	MSA	V44316
Surrogate: Toluene-d8	96.2		Limits: 77-123%		100	03/01/24 07:50	MSA	V44316
Surrogate: 4-Bromofluorobenzene	92.0		Limits: 80-124%		1000	03/05/24 19:45	ENM	V44510
Surrogate: Dibromofluoromethane	91.8		Limits: 75-129%		1000	03/05/24 19:45	ENM	V44510
Surrogate: 1,2-Dichloroethane - d4	84.6		Limits: 63-136%		1000	03/05/24 19:45	ENM	V44510
Surrogate: Toluene-d8	102		Limits: 77-123%		1000	03/05/24 19:45	ENM	V44510

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **02261-MW-32**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:10**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 04:07	MSA	8260D
Surrogate: 4-Bromofluorobenzene	97.2		Limits: 80-124%		1	03/01/24 04:07	MSA	V44316
Surrogate: Dibromofluoromethane	95.2		Limits: 75-129%		1	03/01/24 04:07	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.2		Limits: 63-136%		1	03/01/24 04:07	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 04:07	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **02261-MW-32**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:10**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00574	µg/L	0.00574	0.0205	1	03/05/24 11:05	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 04:07	MSA	V44316
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 04:07	MSA	V44316
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 04:07	MSA	V44316
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 04:07	MSA	V44316
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 04:07	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 04:07	MSA	V44316
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 04:07	MSA	V44316
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 04:07	MSA	V44316
tert-Butyl Alcohol (TBA)	**3.20 J**	µg/L	1.60	10.0	1	03/01/24 04:07	MSA	V44316
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 04:07	MSA	V44316
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 04:07	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 04:07	MSA	V44316
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 04:07	MSA	V44316
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 04:07	MSA	V44316
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 04:07	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97843**
Sample ID : **02261-MW-32**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:10**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 04:07		V44316
Surrogate: 4-Bromofluorobenzene	97.2		Limits: 80-124%		1	03/01/24 04:07	MSA	V44316
Surrogate: Dibromofluoromethane	95.2		Limits: 75-129%		1	03/01/24 04:07	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	92.2		Limits: 63-136%		1	03/01/24 04:07	MSA	V44316
Surrogate: Toluene-d8	95.2		Limits: 77-123%		1	03/01/24 04:07	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **02261-MW-33**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:59**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 08:15	MSA	8260D
Surrogate: 4-Bromofluorobenzene	96.2		Limits: 80-124%		100	03/01/24 08:15	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		100	03/01/24 08:15	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.2		Limits: 63-136%		100	03/01/24 08:15	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		100	03/01/24 08:15	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **02261-MW-33**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:59**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.493**	µg/L	0.00574	0.0205	1	03/05/24 11:24	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**620**	µg/L	18.0	50.0	100	03/01/24 08:15	MSA	V44316
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 08:15	MSA	V44316
1,2-Dichloroethane	**78.5**	µg/L	15.0	50.0	100	03/01/24 08:15	MSA	V44316
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 08:15	MSA	V44316
Ethylbenzene	**69.1**	µg/L	17.0	50.0	100	03/01/24 08:15	MSA	V44316
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 08:15	MSA	V44316
Methyl tert-butyl ether (MTBE)	**199**	µg/L	14.0	50.0	100	03/01/24 08:15	MSA	V44316
Naphthalene	**207**	µg/L	47.0	100	100	03/01/24 08:15	MSA	V44316
tert-Butyl Alcohol (TBA)	**598 J**	µg/L	160	1000	100	03/01/24 08:15	MSA	V44316
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 08:15	MSA	V44316
tert-Amyl Alcohol (TAA)	**4810**	µg/L	190	1000	100	03/01/24 08:15	MSA	V44316
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 08:15	MSA	V44316
Toluene	<22.0	µg/L	22.0	50.0	100	03/01/24 08:15	MSA	V44316
o-Xylene	**127**	µg/L	21.0	50.0	100	03/01/24 08:15	MSA	V44316
m,p-Xylene	**46.2 J**	µg/L	42.0	100	100	03/01/24 08:15	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97844**
Sample ID : **02261-MW-33**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:59**

Analytical Method: 8260D **Prep Batch(es):** **V44314** 02/29/24 14:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**173 J**	µg/L	21.0	50.0	100	03/01/24 08:15		V44316
Surrogate: 4-Bromofluorobenzene	96.2		Limits: 80-124%		100	03/01/24 08:15	MSA	V44316
Surrogate: Dibromofluoromethane	94.6		Limits: 75-129%		100	03/01/24 08:15	MSA	V44316
Surrogate: 1,2-Dichloroethane - d4	90.2		Limits: 63-136%		100	03/01/24 08:15	MSA	V44316
Surrogate: Toluene-d8	96.6		Limits: 77-123%		100	03/01/24 08:15	MSA	V44316

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97845**
Sample ID : **02261-MW-34**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:20**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 14:25	ENM	8260D
Surrogate: 4-Bromofluorobenzene	92.2		Limits: 80-124%		1	03/01/24 14:25	ENM	V44384
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/01/24 14:25	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		1	03/01/24 14:25	ENM	V44384
Surrogate: Toluene-d8	99.8		Limits: 77-123%		1	03/01/24 14:25	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97845**
Sample ID : **02261-MW-34**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:20**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00566	µg/L	0.00566	0.0202	1	03/05/24 11:43	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 14:25	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 14:25	ENM	V44384
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 14:25	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 14:25	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 14:25	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 14:25	ENM	V44384
Methyl tert-butyl ether (MTBE)	**0.876**	µg/L	0.140	0.500	1	03/01/24 14:25	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 14:25	ENM	V44384
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 14:25	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 14:25	ENM	V44384
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 14:25	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 14:25	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 14:25	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 14:25	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 14:25	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97845**
Sample ID : **02261-MW-34**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:20**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 14:25		V44384
Surrogate: 4-Bromofluorobenzene	92.2		Limits: 80-124%		1	03/01/24 14:25	ENM	V44384
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/01/24 14:25	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		1	03/01/24 14:25	ENM	V44384
Surrogate: Toluene-d8	99.8		Limits: 77-123%		1	03/01/24 14:25	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97846**
Sample ID : **02261-MW-35**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:49**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 14:50	ENM	8260D
Surrogate: 4-Bromofluorobenzene	91.0		Limits: 80-124%		1	03/01/24 14:50	ENM	V44384
Surrogate: Dibromofluoromethane	93.0		Limits: 75-129%		1	03/01/24 14:50	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.2		Limits: 63-136%		1	03/01/24 14:50	ENM	V44384
Surrogate: Toluene-d8	99.6		Limits: 77-123%		1	03/01/24 14:50	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97846**
Sample ID : **02261-MW-35**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:49**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00566	µg/L	0.00566	0.0202	1	03/05/24 12:02	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 14:50	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 14:50	ENM	V44384
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 14:50	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 14:50	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 14:50	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 14:50	ENM	V44384
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 14:50	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 14:50	ENM	V44384
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 14:50	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 14:50	ENM	V44384
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 14:50	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 14:50	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 14:50	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 14:50	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 14:50	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Monroe , NC 28110

Project Carolina County Convience
Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97846**
Sample ID : **02261-MW-35**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:49**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 14:50		V44384
Surrogate: 4-Bromofluorobenzene	91.0		Limits: 80-124%		1	03/01/24 14:50	ENM	V44384
Surrogate: Dibromofluoromethane	93.0		Limits: 75-129%		1	03/01/24 14:50	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.2		Limits: 63-136%		1	03/01/24 14:50	ENM	V44384
Surrogate: Toluene-d8	99.6		Limits: 77-123%		1	03/01/24 14:50	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97847**
Sample ID : **02261-MW-28I**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:58**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 18:32	ENM	8260D
Surrogate: 4-Bromofluorobenzene	92.8		Limits: 80-124%		100	03/01/24 18:32	ENM	V44384
Surrogate: Dibromofluoromethane	92.4		Limits: 75-129%		100	03/01/24 18:32	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.0		Limits: 63-136%		100	03/01/24 18:32	ENM	V44384
Surrogate: Toluene-d8	98.6		Limits: 77-123%		100	03/01/24 18:32	ENM	V44384
Surrogate: 4-Bromofluorobenzene	92.8		Limits: 80-124%		1000	03/06/24 21:46	MSA	V44614
Surrogate: Dibromofluoromethane	91.8		Limits: 75-129%		1000	03/06/24 21:46	MSA	V44614
Surrogate: 1,2-Dichloroethane - d4	88.2		Limits: 63-136%		1000	03/06/24 21:46	MSA	V44614
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1000	03/06/24 21:46	MSA	V44614

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97847**
Sample ID : **02261-MW-28I**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:58**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.0937**	µg/L	0.00574	0.0205	1	03/05/24 12:20	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00 **V44613** 03/06/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**6960**	µg/L	18.0	50.0	100	03/01/24 18:32	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 18:32	ENM	V44384
1,2-Dichloroethane	**258**	µg/L	15.0	50.0	100	03/01/24 18:32	ENM	V44384
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 18:32	ENM	V44384
Ethylbenzene	**481**	µg/L	17.0	50.0	100	03/01/24 18:32	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 18:32	ENM	V44384
Methyl tert-butyl ether (MTBE)	**1200**	µg/L	14.0	50.0	100	03/01/24 18:32	ENM	V44384
Naphthalene	<47.0	µg/L	47.0	100	100	03/01/24 18:32	ENM	V44384
tert-Butyl Alcohol (TBA)	**1420**	µg/L	160	1000	100	03/01/24 18:32	ENM	V44384
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 18:32	ENM	V44384
tert-Amyl Alcohol (TAA)	**8820 JM**	µg/L	1900	10000	1000	03/06/24 21:46	MSA	V44614
tert-Amyl Methyl Ether (TAME)	**49.6 J**	µg/L	28.0	1000	100	03/01/24 18:32	ENM	V44384
Toluene	**114**	µg/L	22.0	50.0	100	03/01/24 18:32	ENM	V44384
o-Xylene	**199**	µg/L	21.0	50.0	100	03/01/24 18:32	ENM	V44384
m,p-Xylene	**470**	µg/L	42.0	100	100	03/01/24 18:32	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97847**
Sample ID : **02261-MW-28I**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:58**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00 **V44613** 03/06/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**669**	µg/L	21.0	50.0	100	03/01/24 18:32		V44384
Surrogate: 4-Bromofluorobenzene	92.8		Limits: 80-124%		100	03/01/24 18:32	ENM	V44384
Surrogate: Dibromofluoromethane	92.4		Limits: 75-129%		100	03/01/24 18:32	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.0		Limits: 63-136%		100	03/01/24 18:32	ENM	V44384
Surrogate: Toluene-d8	98.6		Limits: 77-123%		100	03/01/24 18:32	ENM	V44384
Surrogate: 4-Bromofluorobenzene	92.8		Limits: 80-124%		1000	03/06/24 21:46	MSA	V44614
Surrogate: Dibromofluoromethane	91.8		Limits: 75-129%		1000	03/06/24 21:46	MSA	V44614
Surrogate: 1,2-Dichloroethane - d4	88.2		Limits: 63-136%		1000	03/06/24 21:46	MSA	V44614
Surrogate: Toluene-d8	99.4		Limits: 77-123%		1000	03/06/24 21:46	MSA	V44614

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97848**
Sample ID : **02261-MW-29I**

Matrix: **Aqueous**
Sampled: **2/22/2024 9:33**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 18:56	ENM	8260D
Surrogate: 4-Bromofluorobenzene	95.4		Limits: 80-124%		100	03/01/24 18:56	ENM	V44384
Surrogate: Dibromofluoromethane	92.2		Limits: 75-129%		100	03/01/24 18:56	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.6		Limits: 63-136%		100	03/01/24 18:56	ENM	V44384
Surrogate: Toluene-d8	96.2		Limits: 77-123%		100	03/01/24 18:56	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97848**
Sample ID : **02261-MW-29I**

Matrix: **Aqueous**
Sampled: **2/22/2024 9:33**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.0254 Q**	µg/L	0.00577	0.0206	1	03/05/24 12:40	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**1950**	µg/L	18.0	50.0	100	03/01/24 18:56	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 18:56	ENM	V44384
1,2-Dichloroethane	<15.0	µg/L	15.0	50.0	100	03/01/24 18:56	ENM	V44384
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 18:56	ENM	V44384
Ethylbenzene	**364**	µg/L	17.0	50.0	100	03/01/24 18:56	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 18:56	ENM	V44384
Methyl tert-butyl ether (MTBE)	**74.9**	µg/L	14.0	50.0	100	03/01/24 18:56	ENM	V44384
Naphthalene	<47.0	µg/L	47.0	100	100	03/01/24 18:56	ENM	V44384
tert-Butyl Alcohol (TBA)	<160	µg/L	160	1000	100	03/01/24 18:56	ENM	V44384
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 18:56	ENM	V44384
tert-Amyl Alcohol (TAA)	**5540**	µg/L	190	1000	100	03/01/24 18:56	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 18:56	ENM	V44384
Toluene	<22.0	µg/L	22.0	50.0	100	03/01/24 18:56	ENM	V44384
o-Xylene	<21.0	µg/L	21.0	50.0	100	03/01/24 18:56	ENM	V44384
m,p-Xylene	**216**	µg/L	42.0	100	100	03/01/24 18:56	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97848**
Sample ID : **02261-MW-29I**

Matrix: **Aqueous**
Sampled: **2/22/2024 9:33**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**216**	µg/L	21.0	50.0	100	03/01/24 18:56		V44384
Surrogate: 4-Bromofluorobenzene	95.4		Limits: 80-124%		100	03/01/24 18:56	ENM	V44384
Surrogate: Dibromofluoromethane	92.2		Limits: 75-129%		100	03/01/24 18:56	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.6		Limits: 63-136%		100	03/01/24 18:56	ENM	V44384
Surrogate: Toluene-d8	96.2		Limits: 77-123%		100	03/01/24 18:56	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97849**
Sample ID : **02261-MW-30I**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:44**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 19:21	ENM	8260D
Surrogate: 4-Bromofluorobenzene	95.4		Limits: 80-124%		100	03/01/24 19:21	ENM	V44384
Surrogate: Dibromofluoromethane	89.4		Limits: 75-129%		100	03/01/24 19:21	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	90.8		Limits: 63-136%		100	03/01/24 19:21	ENM	V44384
Surrogate: Toluene-d8	106		Limits: 77-123%		100	03/01/24 19:21	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97849**
Sample ID : **02261-MW-30I**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:44**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.460**	µg/L	0.00563	0.0201	1	03/05/24 12:59	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**7330**	µg/L	18.0	50.0	100	03/01/24 19:21	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 19:21	ENM	V44384
1,2-Dichloroethane	**117**	µg/L	15.0	50.0	100	03/01/24 19:21	ENM	V44384
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 19:21	ENM	V44384
Ethylbenzene	**1240**	µg/L	17.0	50.0	100	03/01/24 19:21	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 19:21	ENM	V44384
Methyl tert-butyl ether (MTBE)	**400**	µg/L	14.0	50.0	100	03/01/24 19:21	ENM	V44384
Naphthalene	**342**	µg/L	47.0	100	100	03/01/24 19:21	ENM	V44384
tert-Butyl Alcohol (TBA)	<160	µg/L	160	1000	100	03/01/24 19:21	ENM	V44384
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 19:21	ENM	V44384
tert-Amyl Alcohol (TAA)	**4350**	µg/L	190	1000	100	03/01/24 19:21	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 19:21	ENM	V44384
Toluene	**240**	µg/L	22.0	50.0	100	03/01/24 19:21	ENM	V44384
o-Xylene	**1350**	µg/L	21.0	50.0	100	03/01/24 19:21	ENM	V44384
m,p-Xylene	**1850**	µg/L	42.0	100	100	03/01/24 19:21	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97849**
Sample ID : **02261-MW-30I**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:44**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**3200**	µg/L	21.0	50.0	100	03/01/24 19:21		V44384
Surrogate: 4-Bromofluorobenzene	95.4		Limits: 80-124%		100	03/01/24 19:21	ENM	V44384
Surrogate: Dibromofluoromethane	89.4		Limits: 75-129%		100	03/01/24 19:21	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	90.8		Limits: 63-136%		100	03/01/24 19:21	ENM	V44384
Surrogate: Toluene-d8	106		Limits: 77-123%		100	03/01/24 19:21	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97850**
Sample ID : **02261-MW-31I**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:04**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 19:45	ENM	8260D
Surrogate: 4-Bromofluorobenzene	94.4		Limits: 80-124%		100	03/01/24 19:45	ENM	V44384
Surrogate: Dibromofluoromethane	89.0		Limits: 75-129%		100	03/01/24 19:45	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	85.0		Limits: 63-136%		100	03/01/24 19:45	ENM	V44384
Surrogate: Toluene-d8	104		Limits: 77-123%		100	03/01/24 19:45	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97850**
Sample ID : **02261-MW-31I**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:04**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.131 Q**	µg/L	0.00574	0.0205	1	03/05/24 13:55	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**1220**	µg/L	18.0	50.0	100	03/01/24 19:45	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 19:45	ENM	V44384
1,2-Dichloroethane	<15.0	µg/L	15.0	50.0	100	03/01/24 19:45	ENM	V44384
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 19:45	ENM	V44384
Ethylbenzene	**186**	µg/L	17.0	50.0	100	03/01/24 19:45	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 19:45	ENM	V44384
Methyl tert-butyl ether (MTBE)	**236**	µg/L	14.0	50.0	100	03/01/24 19:45	ENM	V44384
Naphthalene	<47.0	µg/L	47.0	100	100	03/01/24 19:45	ENM	V44384
tert-Butyl Alcohol (TBA)	<160	µg/L	160	1000	100	03/01/24 19:45	ENM	V44384
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 19:45	ENM	V44384
tert-Amyl Alcohol (TAA)	**6960**	µg/L	190	1000	100	03/01/24 19:45	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/01/24 19:45	ENM	V44384
Toluene	**31.4 J**	µg/L	22.0	50.0	100	03/01/24 19:45	ENM	V44384
o-Xylene	**201**	µg/L	21.0	50.0	100	03/01/24 19:45	ENM	V44384
m,p-Xylene	**214**	µg/L	42.0	100	100	03/01/24 19:45	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97850**
Sample ID : **02261-MW-31I**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:04**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**415**	µg/L	21.0	50.0	100	03/01/24 19:45		V44384
Surrogate: 4-Bromofluorobenzene	94.4		Limits: 80-124%		100	03/01/24 19:45	ENM	V44384
Surrogate: Dibromofluoromethane	89.0		Limits: 75-129%		100	03/01/24 19:45	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	85.0		Limits: 63-136%		100	03/01/24 19:45	ENM	V44384
Surrogate: Toluene-d8	104		Limits: 77-123%		100	03/01/24 19:45	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97851**
Sample ID : **02261-TW-1**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 15:14	ENM	8260D
Surrogate: 4-Bromofluorobenzene	90.2		Limits: 80-124%		1	03/01/24 15:14	ENM	V44384
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		1	03/01/24 15:14	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 15:14	ENM	V44384
Surrogate: Toluene-d8	98.6		Limits: 77-123%		1	03/01/24 15:14	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97851**
Sample ID : **02261-TW-1**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:45**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00577	µg/L	0.00577	0.0206	1	03/05/24 14:14	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 15:14	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 15:14	ENM	V44384
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 15:14	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 15:14	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 15:14	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 15:14	ENM	V44384
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 15:14	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 15:14	ENM	V44384
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 15:14	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 15:14	ENM	V44384
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 15:14	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 15:14	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 15:14	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 15:14	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 15:14	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97851**
Sample ID : **02261-TW-1**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:45**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 15:14		V44384
Surrogate: 4-Bromofluorobenzene	90.2		Limits: 80-124%		1	03/01/24 15:14	ENM	V44384
Surrogate: Dibromofluoromethane	94.2		Limits: 75-129%		1	03/01/24 15:14	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 15:14	ENM	V44384
Surrogate: Toluene-d8	98.6		Limits: 77-123%		1	03/01/24 15:14	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97852**
Sample ID : **02261-TW-2**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:08**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 15:39	ENM	8260D
Surrogate: 4-Bromofluorobenzene	93.2		Limits: 80-124%		1	03/01/24 15:39	ENM	V44384
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/01/24 15:39	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		1	03/01/24 15:39	ENM	V44384
Surrogate: Toluene-d8	100		Limits: 77-123%		1	03/01/24 15:39	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97852**
Sample ID : **02261-TW-2**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:08**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00594	µg/L	0.00594	0.0212	1	03/05/24 14:33	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 15:39	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 15:39	ENM	V44384
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 15:39	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 15:39	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 15:39	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 15:39	ENM	V44384
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 15:39	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 15:39	ENM	V44384
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 15:39	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 15:39	ENM	V44384
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 15:39	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 15:39	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 15:39	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 15:39	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 15:39	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97852**
Sample ID : **02261-TW-2**

Matrix: **Aqueous**
Sampled: **2/21/2024 11:08**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 15:39		V44384
Surrogate: 4-Bromofluorobenzene	93.2		Limits: 80-124%		1	03/01/24 15:39	ENM	V44384
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/01/24 15:39	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.0		Limits: 63-136%		1	03/01/24 15:39	ENM	V44384
Surrogate: Toluene-d8	100		Limits: 77-123%		1	03/01/24 15:39	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97853**
Sample ID : **02261-TW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:30**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 16:03	ENM	8260D
Surrogate: 4-Bromofluorobenzene	93.6		Limits: 80-124%		1	03/01/24 16:03	ENM	V44384
Surrogate: Dibromofluoromethane	93.6		Limits: 75-129%		1	03/01/24 16:03	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	93.0		Limits: 63-136%		1	03/01/24 16:03	ENM	V44384
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/01/24 16:03	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97853**
Sample ID : **02261-TW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:30**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00580	µg/L	0.00580	0.0207	1	03/05/24 14:52	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 16:03	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 16:03	ENM	V44384
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 16:03	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 16:03	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 16:03	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 16:03	ENM	V44384
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 16:03	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 16:03	ENM	V44384
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 16:03	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 16:03	ENM	V44384
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 16:03	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 16:03	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 16:03	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 16:03	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 16:03	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97853**
Sample ID : **02261-TW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 10:30**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 16:03		V44384
Surrogate: 4-Bromofluorobenzene	93.6		Limits: 80-124%		1	03/01/24 16:03	ENM	V44384
Surrogate: Dibromofluoromethane	93.6		Limits: 75-129%		1	03/01/24 16:03	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	93.0		Limits: 63-136%		1	03/01/24 16:03	ENM	V44384
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/01/24 16:03	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97854**
Sample ID : **02261-TW-4**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:21**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/01/24 20:10	ENM	8260D
Surrogate: 4-Bromofluorobenzene	93.2		Limits: 80-124%		100	03/01/24 20:10	ENM	V44384
Surrogate: Dibromofluoromethane	93.6		Limits: 75-129%		100	03/01/24 20:10	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.6		Limits: 63-136%		100	03/01/24 20:10	ENM	V44384
Surrogate: Toluene-d8	99.2		Limits: 77-123%		100	03/01/24 20:10	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97854**
Sample ID : **02261-TW-4**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:21**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**0.0870**	µg/L	0.00577	0.0206	1	03/05/24 15:12	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**5950**	µg/L	18.0	50.0	100	03/01/24 20:10	ENM	V44384
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/01/24 20:10	ENM	V44384
1,2-Dichloroethane	**250**	µg/L	15.0	50.0	100	03/01/24 20:10	ENM	V44384
Ethanol	<4200	µg/L	4200	20000	100	03/01/24 20:10	ENM	V44384
Ethylbenzene	**537**	µg/L	17.0	50.0	100	03/01/24 20:10	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/01/24 20:10	ENM	V44384
Methyl tert-butyl ether (MTBE)	**1340**	µg/L	14.0	50.0	100	03/01/24 20:10	ENM	V44384
Naphthalene	<47.0	µg/L	47.0	100	100	03/01/24 20:10	ENM	V44384
tert-Butyl Alcohol (TBA)	**1270**	µg/L	160	1000	100	03/01/24 20:10	ENM	V44384
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/01/24 20:10	ENM	V44384
tert-Amyl Alcohol (TAA)	**7520**	µg/L	190	1000	100	03/01/24 20:10	ENM	V44384
tert-Amyl Methyl Ether (TAME)	**46.1 J**	µg/L	28.0	1000	100	03/01/24 20:10	ENM	V44384
Toluene	**59.5**	µg/L	22.0	50.0	100	03/01/24 20:10	ENM	V44384
o-Xylene	**99.5**	µg/L	21.0	50.0	100	03/01/24 20:10	ENM	V44384
m,p-Xylene	**258**	µg/L	42.0	100	100	03/01/24 20:10	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience

Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97854**
Sample ID : **02261-TW-4**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:21**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**358**	µg/L	21.0	50.0	100	03/01/24 20:10		V44384
Surrogate: 4-Bromofluorobenzene	93.2		Limits: 80-124%		100	03/01/24 20:10	ENM	V44384
Surrogate: Dibromofluoromethane	93.6		Limits: 75-129%		100	03/01/24 20:10	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.6		Limits: 63-136%		100	03/01/24 20:10	ENM	V44384
Surrogate: Toluene-d8	99.2		Limits: 77-123%		100	03/01/24 20:10	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97855**
Sample ID : **02261-TW-5**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 16:28	ENM	8260D
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		1	03/01/24 16:28	ENM	V44384
Surrogate: Dibromofluoromethane	92.2		Limits: 75-129%		1	03/01/24 16:28	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.8		Limits: 63-136%		1	03/01/24 16:28	ENM	V44384
Surrogate: Toluene-d8	101		Limits: 77-123%		1	03/01/24 16:28	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97855**
Sample ID : **02261-TW-5**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:25**

Analytical Method: 8011 **Prep Batch(es):** **L736459** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00582	µg/L	0.00582	0.0208	1	03/05/24 15:30	SWB	L736966

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 16:28	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 16:28	ENM	V44384
1,2-Dichloroethane	**0.751**	µg/L	0.150	0.500	1	03/01/24 16:28	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 16:28	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 16:28	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 16:28	ENM	V44384
Methyl tert-butyl ether (MTBE)	**3.55**	µg/L	0.140	0.500	1	03/01/24 16:28	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 16:28	ENM	V44384
tert-Butyl Alcohol (TBA)	**22.9**	µg/L	1.60	10.0	1	03/01/24 16:28	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 16:28	ENM	V44384
tert-Amyl Alcohol (TAA)	**10.3**	µg/L	1.90	10.0	1	03/01/24 16:28	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 16:28	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 16:28	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 16:28	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 16:28	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97855**
Sample ID : **02261-TW-5**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:25**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 16:28		V44384
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		1	03/01/24 16:28	ENM	V44384
Surrogate: Dibromofluoromethane	92.2		Limits: 75-129%		1	03/01/24 16:28	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	91.8		Limits: 63-136%		1	03/01/24 16:28	ENM	V44384
Surrogate: Toluene-d8	101		Limits: 77-123%		1	03/01/24 16:28	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97856**
Sample ID : **02261-TW-6**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 16:53	ENM	8260D
Surrogate: 4-Bromofluorobenzene	93.2		Limits: 80-124%		1	03/01/24 16:53	ENM	V44384
Surrogate: Dibromofluoromethane	93.8		Limits: 75-129%		1	03/01/24 16:53	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	94.8		Limits: 63-136%		1	03/01/24 16:53	ENM	V44384
Surrogate: Toluene-d8	95.8		Limits: 77-123%		1	03/01/24 16:53	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97856**
Sample ID : **02261-TW-6**

Matrix: **Aqueous**
Sampled: **2/21/2024 16:00**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 16:53	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 16:53	ENM	V44384
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 16:53	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 16:53	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 16:53	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 16:53	ENM	V44384
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 16:53	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 16:53	ENM	V44384
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 16:53	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 16:53	ENM	V44384
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 16:53	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 16:53	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 16:53	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 16:53	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 16:53	ENM	V44384
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 16:53		V44384
Surrogate: 4-Bromofluorobenzene	93.2		Limits: 80-124%		1	03/01/24 16:53	ENM	V44384
Surrogate: Dibromofluoromethane	93.8		Limits: 75-129%		1	03/01/24 16:53	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	94.8		Limits: 63-136%		1	03/01/24 16:53	ENM	V44384
Surrogate: Toluene-d8	95.8		Limits: 77-123%		1	03/01/24 16:53	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97857**
Sample ID : **02261-TW-8**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:49**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 17:17	ENM	8260D
Surrogate: 4-Bromofluorobenzene	95.0		Limits: 80-124%		1	03/01/24 17:17	ENM	V44384
Surrogate: Dibromofluoromethane	92.4		Limits: 75-129%		1	03/01/24 17:17	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	88.6		Limits: 63-136%		1	03/01/24 17:17	ENM	V44384
Surrogate: Toluene-d8	106		Limits: 77-123%		1	03/01/24 17:17	ENM	V44384
Surrogate: 4-Bromofluorobenzene	91.0		Limits: 80-124%		100	03/04/24 21:20	MSA	V44419
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		100	03/04/24 21:20	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	85.6		Limits: 63-136%		100	03/04/24 21:20	MSA	V44419
Surrogate: Toluene-d8	102		Limits: 77-123%		100	03/04/24 21:20	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97857**
Sample ID : **02261-TW-8**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:49**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00588	µg/L	0.00588	0.0210	1	03/06/24 08:57	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00 **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**195**	µg/L	18.0	50.0	100	03/04/24 21:20	MSA	V44419
Di-Isopropyl Ether (DIPE)	**1.46 J**	µg/L	0.960	5.00	1	03/01/24 17:17	ENM	V44384
1,2-Dichloroethane	**80.3**	µg/L	0.150	0.500	1	03/01/24 17:17	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 17:17	ENM	V44384
Ethylbenzene	**27.6**	µg/L	0.170	0.500	1	03/01/24 17:17	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 17:17	ENM	V44384
Methyl tert-butyl ether (MTBE)	**542**	µg/L	14.0	50.0	100	03/04/24 21:20	MSA	V44419
Naphthalene	**8.96**	µg/L	0.470	1.00	1	03/01/24 17:17	ENM	V44384
tert-Butyl Alcohol (TBA)	**622 J**	µg/L	160	1000	100	03/04/24 21:20	MSA	V44419
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 17:17	ENM	V44384
tert-Amyl Alcohol (TAA)	**1690**	µg/L	190	1000	100	03/04/24 21:20	MSA	V44419
tert-Amyl Methyl Ether (TAME)	**25.2**	µg/L	0.280	10.0	1	03/01/24 17:17	ENM	V44384
Toluene	**3.26**	µg/L	0.220	0.500	1	03/01/24 17:17	ENM	V44384
o-Xylene	**2.19**	µg/L	0.210	0.500	1	03/01/24 17:17	ENM	V44384
m,p-Xylene	**1.60**	µg/L	0.420	1.00	1	03/01/24 17:17	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97857**
Sample ID : **02261-TW-8**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:49**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00 **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**3.79**	µg/L	0.210	0.500	1	03/01/24 17:17		V44384
Surrogate: 4-Bromofluorobenzene	95.0		Limits: 80-124%		1	03/01/24 17:17	ENM	V44384
Surrogate: Dibromofluoromethane	92.4		Limits: 75-129%		1	03/01/24 17:17	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	88.6		Limits: 63-136%		1	03/01/24 17:17	ENM	V44384
Surrogate: Toluene-d8	106		Limits: 77-123%		1	03/01/24 17:17	ENM	V44384
Surrogate: 4-Bromofluorobenzene	91.0		Limits: 80-124%		100	03/04/24 21:20	MSA	V44419
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		100	03/04/24 21:20	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	85.6		Limits: 63-136%		100	03/04/24 21:20	MSA	V44419
Surrogate: Toluene-d8	102		Limits: 77-123%		100	03/04/24 21:20	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97858**
Sample ID : **02261-TW-9**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:07**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/04/24 13:51	MSA	8260D
Surrogate: 4-Bromofluorobenzene	92.8		Limits: 80-124%		1	03/04/24 13:51	MSA	V44419
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/04/24 13:51	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	89.4		Limits: 63-136%		1	03/04/24 13:51	MSA	V44419
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/04/24 13:51	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97858**
Sample ID : **02261-TW-9**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:07**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00588	µg/L	0.00588	0.0210	1	03/06/24 09:16	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/04/24 13:51	MSA	V44419
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/04/24 13:51	MSA	V44419
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/04/24 13:51	MSA	V44419
Ethanol	<42.0	µg/L	42.0	200	1	03/04/24 13:51	MSA	V44419
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/04/24 13:51	MSA	V44419
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/04/24 13:51	MSA	V44419
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/04/24 13:51	MSA	V44419
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/04/24 13:51	MSA	V44419
tert-Butyl Alcohol (TBA)	**2.73 J**	µg/L	1.60	10.0	1	03/04/24 13:51	MSA	V44419
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/04/24 13:51	MSA	V44419
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/04/24 13:51	MSA	V44419
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/04/24 13:51	MSA	V44419
Toluene	<0.220	µg/L	0.220	0.500	1	03/04/24 13:51	MSA	V44419
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/04/24 13:51	MSA	V44419
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/04/24 13:51	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience

Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97858**
Sample ID : **02261-TW-9**

Matrix: **Aqueous**
Sampled: **2/21/2024 15:07**

Analytical Method: 8260D **Prep Batch(es):** **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/04/24 13:51		V44419
Surrogate: 4-Bromofluorobenzene	92.8		Limits: 80-124%		1	03/04/24 13:51	MSA	V44419
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/04/24 13:51	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	89.4		Limits: 63-136%		1	03/04/24 13:51	MSA	V44419
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/04/24 13:51	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97859**
Sample ID : **02261-TW-10**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:35**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/01/24 18:07	ENM	8260D
Surrogate: 4-Bromofluorobenzene	93.6		Limits: 80-124%		1	03/01/24 18:07	ENM	V44384
Surrogate: Dibromofluoromethane	93.4		Limits: 75-129%		1	03/01/24 18:07	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 18:07	ENM	V44384
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/01/24 18:07	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97859**
Sample ID : **02261-TW-10**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:35**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00588	µg/L	0.00588	0.0210	1	03/06/24 09:35	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/01/24 18:07	ENM	V44384
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/01/24 18:07	ENM	V44384
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/01/24 18:07	ENM	V44384
Ethanol	<42.0	µg/L	42.0	200	1	03/01/24 18:07	ENM	V44384
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/01/24 18:07	ENM	V44384
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/01/24 18:07	ENM	V44384
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/01/24 18:07	ENM	V44384
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/01/24 18:07	ENM	V44384
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/01/24 18:07	ENM	V44384
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/01/24 18:07	ENM	V44384
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/01/24 18:07	ENM	V44384
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/01/24 18:07	ENM	V44384
Toluene	<0.220	µg/L	0.220	0.500	1	03/01/24 18:07	ENM	V44384
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/01/24 18:07	ENM	V44384
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/01/24 18:07	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97859**
Sample ID : **02261-TW-10**

Matrix: **Aqueous**
Sampled: **2/21/2024 14:35**

Analytical Method: 8260D **Prep Batch(es):** **V44376** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/01/24 18:07		V44384
Surrogate: 4-Bromofluorobenzene	93.6		Limits: 80-124%		1	03/01/24 18:07	ENM	V44384
Surrogate: Dibromofluoromethane	93.4		Limits: 75-129%		1	03/01/24 18:07	ENM	V44384
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/01/24 18:07	ENM	V44384
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/01/24 18:07	ENM	V44384

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97860**
Sample ID : **02261-DUP-A**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:39**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/02/24 09:20	ENM	8260D
Surrogate: 4-Bromofluorobenzene	95.0		Limits: 80-124%		100	03/02/24 09:20	ENM	V44385
Surrogate: Dibromofluoromethane	90.8		Limits: 75-129%		100	03/02/24 09:20	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	84.4		Limits: 63-136%		100	03/02/24 09:20	ENM	V44385
Surrogate: Toluene-d8	103		Limits: 77-123%		100	03/02/24 09:20	ENM	V44385
Surrogate: 4-Bromofluorobenzene	89.6		Limits: 80-124%		1000	03/04/24 22:34	MSA	V44419
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1000	03/04/24 22:34	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	89.8		Limits: 63-136%		1000	03/04/24 22:34	MSA	V44419
Surrogate: Toluene-d8	101		Limits: 77-123%		1000	03/04/24 22:34	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97860**
Sample ID : **02261-DUP-A**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:39**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**8.91**	µg/L	0.582	2.08	100	03/06/24 16:13	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00 **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**14500**	µg/L	180	500	1000	03/04/24 22:34	MSA	V44419
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/02/24 09:20	ENM	V44385
1,2-Dichloroethane	**355**	µg/L	15.0	50.0	100	03/02/24 09:20	ENM	V44385
Ethanol	<4200	µg/L	4200	20000	100	03/02/24 09:20	ENM	V44385
Ethylbenzene	**1240**	µg/L	17.0	50.0	100	03/02/24 09:20	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/02/24 09:20	ENM	V44385
Methyl tert-butyl ether (MTBE)	**1030**	µg/L	14.0	50.0	100	03/02/24 09:20	ENM	V44385
Naphthalene	<47.0	µg/L	47.0	100	100	03/02/24 09:20	ENM	V44385
tert-Butyl Alcohol (TBA)	**18500**	µg/L	160	1000	100	03/02/24 09:20	ENM	V44385
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/02/24 09:20	ENM	V44385
tert-Amyl Alcohol (TAA)	**16800**	µg/L	1900	10000	1000	03/04/24 22:34	MSA	V44419
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/02/24 09:20	ENM	V44385
Toluene	**495**	µg/L	22.0	50.0	100	03/02/24 09:20	ENM	V44385
o-Xylene	**2190**	µg/L	21.0	50.0	100	03/02/24 09:20	ENM	V44385
m,p-Xylene	**3790**	µg/L	42.0	100	100	03/02/24 09:20	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97860**
Sample ID : **02261-DUP-A**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:39**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00 **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**5980**	µg/L	21.0	50.0	100	03/02/24 09:20		V44385
Surrogate: 4-Bromofluorobenzene	95.0		Limits: 80-124%		100	03/02/24 09:20	ENM	V44385
Surrogate: Dibromofluoromethane	90.8		Limits: 75-129%		100	03/02/24 09:20	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	84.4		Limits: 63-136%		100	03/02/24 09:20	ENM	V44385
Surrogate: Toluene-d8	103		Limits: 77-123%		100	03/02/24 09:20	ENM	V44385
Surrogate: 4-Bromofluorobenzene	89.6		Limits: 80-124%		1000	03/04/24 22:34	MSA	V44419
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1000	03/04/24 22:34	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	89.8		Limits: 63-136%		1000	03/04/24 22:34	MSA	V44419
Surrogate: Toluene-d8	101		Limits: 77-123%		1000	03/04/24 22:34	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97861**
Sample ID : **02261-DUP-B**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:36**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/02/24 09:44	ENM	8260D
Surrogate: 4-Bromofluorobenzene	94.4		Limits: 80-124%		100	03/02/24 09:44	ENM	V44385
Surrogate: Dibromofluoromethane	91.4		Limits: 75-129%		100	03/02/24 09:44	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	82.8		Limits: 63-136%		100	03/02/24 09:44	ENM	V44385
Surrogate: Toluene-d8	104		Limits: 77-123%		100	03/02/24 09:44	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97861**
Sample ID : **02261-DUP-B**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:36**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**14.3**	µg/L	0.582	2.08	100	03/06/24 16:32	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**3690**	µg/L	18.0	50.0	100	03/02/24 09:44	ENM	V44385
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/02/24 09:44	ENM	V44385
1,2-Dichloroethane	**112**	µg/L	15.0	50.0	100	03/02/24 09:44	ENM	V44385
Ethanol	<4200	µg/L	4200	20000	100	03/02/24 09:44	ENM	V44385
Ethylbenzene	**461**	µg/L	17.0	50.0	100	03/02/24 09:44	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/02/24 09:44	ENM	V44385
Methyl tert-butyl ether (MTBE)	**98.3**	µg/L	14.0	50.0	100	03/02/24 09:44	ENM	V44385
Naphthalene	<47.0	µg/L	47.0	100	100	03/02/24 09:44	ENM	V44385
tert-Butyl Alcohol (TBA)	**644 J**	µg/L	160	1000	100	03/02/24 09:44	ENM	V44385
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/02/24 09:44	ENM	V44385
tert-Amyl Alcohol (TAA)	**7360**	µg/L	190	1000	100	03/02/24 09:44	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/02/24 09:44	ENM	V44385
Toluene	**3320**	µg/L	22.0	50.0	100	03/02/24 09:44	ENM	V44385
o-Xylene	**2570**	µg/L	21.0	50.0	100	03/02/24 09:44	ENM	V44385
m,p-Xylene	**2390**	µg/L	42.0	100	100	03/02/24 09:44	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97861**
Sample ID : **02261-DUP-B**

Matrix: **Aqueous**
Sampled: **2/22/2024 11:36**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**4960**	µg/L	21.0	50.0	100	03/02/24 09:44		V44385
Surrogate: 4-Bromofluorobenzene	94.4		Limits: 80-124%		100	03/02/24 09:44	ENM	V44385
Surrogate: Dibromofluoromethane	91.4		Limits: 75-129%		100	03/02/24 09:44	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	82.8		Limits: 63-136%		100	03/02/24 09:44	ENM	V44385
Surrogate: Toluene-d8	104		Limits: 77-123%		100	03/02/24 09:44	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97862**
Sample ID : **02261-DUP-C**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:13**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<100	µg/L	100	1000	100	03/02/24 10:09	ENM	8260D
Surrogate: 4-Bromofluorobenzene	91.2		Limits: 80-124%		100	03/02/24 10:09	ENM	V44385
Surrogate: Dibromofluoromethane	91.2		Limits: 75-129%		100	03/02/24 10:09	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	85.6		Limits: 63-136%		100	03/02/24 10:09	ENM	V44385
Surrogate: Toluene-d8	103		Limits: 77-123%		100	03/02/24 10:09	ENM	V44385
Surrogate: 4-Bromofluorobenzene	88.4		Limits: 80-124%		1000	03/04/24 22:58	MSA	V44419
Surrogate: Dibromofluoromethane	98.8		Limits: 75-129%		1000	03/04/24 22:58	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	90.4		Limits: 63-136%		1000	03/04/24 22:58	MSA	V44419
Surrogate: Toluene-d8	100		Limits: 77-123%		1000	03/04/24 22:58	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience
Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97862**
Sample ID : **02261-DUP-C**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:13**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	**3.59**	µg/L	0.286	1.02	50	03/06/24 16:51	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00 **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	**17500**	µg/L	180	500	1000	03/04/24 22:58	MSA	V44419
Di-Isopropyl Ether (DIPE)	<96.0	µg/L	96.0	500	100	03/02/24 10:09	ENM	V44385
1,2-Dichloroethane	**336**	µg/L	15.0	50.0	100	03/02/24 10:09	ENM	V44385
Ethanol	<4200	µg/L	4200	20000	100	03/02/24 10:09	ENM	V44385
Ethylbenzene	**2560**	µg/L	17.0	50.0	100	03/02/24 10:09	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<180	µg/L	180	1000	100	03/02/24 10:09	ENM	V44385
Methyl tert-butyl ether (MTBE)	**504**	µg/L	14.0	50.0	100	03/02/24 10:09	ENM	V44385
Naphthalene	**714**	µg/L	47.0	100	100	03/02/24 10:09	ENM	V44385
tert-Butyl Alcohol (TBA)	<160	µg/L	160	1000	100	03/02/24 10:09	ENM	V44385
tert-Butyl formate (TBF)	<35.0	µg/L	35.0	1000	100	03/02/24 10:09	ENM	V44385
tert-Amyl Alcohol (TAA)	**29800**	µg/L	1900	10000	1000	03/04/24 22:58	MSA	V44419
tert-Amyl Methyl Ether (TAME)	<28.0	µg/L	28.0	1000	100	03/02/24 10:09	ENM	V44385
Toluene	**373**	µg/L	22.0	50.0	100	03/02/24 10:09	ENM	V44385
o-Xylene	**4530**	µg/L	21.0	50.0	100	03/02/24 10:09	ENM	V44385
m,p-Xylene	**3330**	µg/L	42.0	100	100	03/02/24 10:09	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97862**
Sample ID : **02261-DUP-C**

Matrix: **Aqueous**
Sampled: **2/22/2024 10:13**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00 **V44418** 03/04/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	**7860**	µg/L	21.0	50.0	100	03/02/24 10:09		V44385
Surrogate: 4-Bromofluorobenzene	91.2		Limits: 80-124%		100	03/02/24 10:09	ENM	V44385
Surrogate: Dibromofluoromethane	91.2		Limits: 75-129%		100	03/02/24 10:09	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	85.6		Limits: 63-136%		100	03/02/24 10:09	ENM	V44385
Surrogate: Toluene-d8	103		Limits: 77-123%		100	03/02/24 10:09	ENM	V44385
Surrogate: 4-Bromofluorobenzene	88.4		Limits: 80-124%		1000	03/04/24 22:58	MSA	V44419
Surrogate: Dibromofluoromethane	98.8		Limits: 75-129%		1000	03/04/24 22:58	MSA	V44419
Surrogate: 1,2-Dichloroethane - d4	90.4		Limits: 63-136%		1000	03/04/24 22:58	MSA	V44419
Surrogate: Toluene-d8	100		Limits: 77-123%		1000	03/04/24 22:58	MSA	V44419

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97863**
Sample ID : **02261-MWFB-1**

Matrix: **Aqueous**
Sampled: **2/21/2024 9:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/02/24 04:48	ENM	8260D
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		1	03/02/24 04:48	ENM	V44385
Surrogate: Dibromofluoromethane	95.0		Limits: 75-129%		1	03/02/24 04:48	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	91.8		Limits: 63-136%		1	03/02/24 04:48	ENM	V44385
Surrogate: Toluene-d8	100		Limits: 77-123%		1	03/02/24 04:48	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97863**
Sample ID : **02261-MWFB-1**

Matrix: **Aqueous**
Sampled: **2/21/2024 9:00**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00580	µg/L	0.00580	0.0207	1	03/06/24 10:51	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/02/24 04:48	ENM	V44385
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/02/24 04:48	ENM	V44385
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/02/24 04:48	ENM	V44385
Ethanol	<42.0	µg/L	42.0	200	1	03/02/24 04:48	ENM	V44385
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/02/24 04:48	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/02/24 04:48	ENM	V44385
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/02/24 04:48	ENM	V44385
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/02/24 04:48	ENM	V44385
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/02/24 04:48	ENM	V44385
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/02/24 04:48	ENM	V44385
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/02/24 04:48	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/02/24 04:48	ENM	V44385
Toluene	<0.220	µg/L	0.220	0.500	1	03/02/24 04:48	ENM	V44385
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/02/24 04:48	ENM	V44385
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/02/24 04:48	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97863**
Sample ID : **02261-MWFB-1**

Matrix: **Aqueous**
Sampled: **2/21/2024 9:00**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/02/24 04:48		V44385
Surrogate: 4-Bromofluorobenzene	97.4		Limits: 80-124%		1	03/02/24 04:48	ENM	V44385
Surrogate: Dibromofluoromethane	95.0		Limits: 75-129%		1	03/02/24 04:48	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	91.8		Limits: 63-136%		1	03/02/24 04:48	ENM	V44385
Surrogate: Toluene-d8	100		Limits: 77-123%		1	03/02/24 04:48	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97864**
Sample ID : **02261-MWFB-2**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/02/24 05:13	ENM	8260D
Surrogate: 4-Bromofluorobenzene	94.6		Limits: 80-124%		1	03/02/24 05:13	ENM	V44385
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		1	03/02/24 05:13	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/02/24 05:13	ENM	V44385
Surrogate: Toluene-d8	97.2		Limits: 77-123%		1	03/02/24 05:13	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97864**
Sample ID : **02261-MWFB-2**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:00**

Analytical Method: 8011 **Prep Batch(es):** **L736471** 03/04/24 09:00
Prep Method: 8011

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
1,2-Dibromoethane	<0.00577	µg/L	0.00577	0.0206	1	03/06/24 11:10	SWB	L736967

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/02/24 05:13	ENM	V44385
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/02/24 05:13	ENM	V44385
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/02/24 05:13	ENM	V44385
Ethanol	<42.0	µg/L	42.0	200	1	03/02/24 05:13	ENM	V44385
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/02/24 05:13	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/02/24 05:13	ENM	V44385
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/02/24 05:13	ENM	V44385
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/02/24 05:13	ENM	V44385
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/02/24 05:13	ENM	V44385
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/02/24 05:13	ENM	V44385
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/02/24 05:13	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/02/24 05:13	ENM	V44385
Toluene	<0.220	µg/L	0.220	0.500	1	03/02/24 05:13	ENM	V44385
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/02/24 05:13	ENM	V44385
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/02/24 05:13	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97864**
Sample ID : **02261-MWFB-2**

Matrix: **Aqueous**
Sampled: **2/22/2024 8:00**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/02/24 05:13		V44385
Surrogate: 4-Bromofluorobenzene	94.6		Limits: 80-124%		1	03/02/24 05:13	ENM	V44385
Surrogate: Dibromofluoromethane	93.2		Limits: 75-129%		1	03/02/24 05:13	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/02/24 05:13	ENM	V44385
Surrogate: Toluene-d8	97.2		Limits: 77-123%		1	03/02/24 05:13	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
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Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97865**
Sample ID : **02261-MWTB**

Matrix: **Aqueous**
Sampled: **2/21/2024 7:25**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/02/24 02:45	ENM	8260D
Surrogate: 4-Bromofluorobenzene	91.2		Limits: 80-124%		1	03/02/24 02:45	ENM	V44385
Surrogate: Dibromofluoromethane	93.4		Limits: 75-129%		1	03/02/24 02:45	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	91.8		Limits: 63-136%		1	03/02/24 02:45	ENM	V44385
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/02/24 02:45	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Report Date : 03/11/2024
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Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97865**
Sample ID : **02261-MWTB**

Matrix: **Aqueous**
Sampled: **2/21/2024 7:25**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Benzene	<0.180	µg/L	0.180	0.500	1	03/02/24 02:45	ENM	V44385
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/02/24 02:45	ENM	V44385
1,2-Dichloroethane	<0.150	µg/L	0.150	0.500	1	03/02/24 02:45	ENM	V44385
Ethanol	<42.0	µg/L	42.0	200	1	03/02/24 02:45	ENM	V44385
Ethylbenzene	<0.170	µg/L	0.170	0.500	1	03/02/24 02:45	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/02/24 02:45	ENM	V44385
Methyl tert-butyl ether (MTBE)	<0.140	µg/L	0.140	0.500	1	03/02/24 02:45	ENM	V44385
Naphthalene	<0.470	µg/L	0.470	1.00	1	03/02/24 02:45	ENM	V44385
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/02/24 02:45	ENM	V44385
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/02/24 02:45	ENM	V44385
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/02/24 02:45	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/02/24 02:45	ENM	V44385
Toluene	<0.220	µg/L	0.220	0.500	1	03/02/24 02:45	ENM	V44385
o-Xylene	<0.210	µg/L	0.210	0.500	1	03/02/24 02:45	ENM	V44385
m,p-Xylene	<0.420	µg/L	0.420	1.00	1	03/02/24 02:45	ENM	V44385
Xylene (Total)	<0.21	µg/L	0.210	0.500	1	03/02/24 02:45		V44385
Surrogate: 4-Bromofluorobenzene	91.2		Limits: 80-124%		1	03/02/24 02:45	ENM	V44385
Surrogate: Dibromofluoromethane	93.4		Limits: 75-129%		1	03/02/24 02:45	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	91.8		Limits: 63-136%		1	03/02/24 02:45	ENM	V44385
Surrogate: Toluene-d8	102		Limits: 77-123%		1	03/02/24 02:45	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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

Project Carolina County Convience

Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97866**
Sample ID : **02261-PW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:45**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/02/24 05:37	ENM	8260D
Surrogate: 4-Bromofluorobenzene	92.4		Limits: 80-124%		1	03/02/24 05:37	ENM	V44385
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1	03/02/24 05:37	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%		1	03/02/24 05:37	ENM	V44385
Surrogate: Toluene-d8	98.0		Limits: 77-123%		1	03/02/24 05:37	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97866**
Sample ID : **02261-PW-3**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:45**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/02/24 05:37	ENM	V44385
Ethanol	<42.0	µg/L	42.0	200	1	03/02/24 05:37	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/02/24 05:37	ENM	V44385
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/02/24 05:37	ENM	V44385
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/02/24 05:37	ENM	V44385
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/02/24 05:37	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/02/24 05:37	ENM	V44385
Surrogate: 4-Bromofluorobenzene	92.4		Limits: 80-124%		1	03/02/24 05:37	ENM	V44385
Surrogate: Dibromofluoromethane	92.8		Limits: 75-129%		1	03/02/24 05:37	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	92.8		Limits: 63-136%		1	03/02/24 05:37	ENM	V44385
Surrogate: Toluene-d8	98.0		Limits: 77-123%		1	03/02/24 05:37	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97867**
Sample ID : **02261-DUP-D**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:46**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/02/24 06:02	ENM	8260D
Surrogate: 4-Bromofluorobenzene	94.4		Limits: 80-124%		1	03/02/24 06:02	ENM	V44385
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/02/24 06:02	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	86.0		Limits: 63-136%		1	03/02/24 06:02	ENM	V44385
Surrogate: Toluene-d8	105		Limits: 77-123%		1	03/02/24 06:02	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience
Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97867**
Sample ID : **02261-DUP-D**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:46**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/02/24 06:02	ENM	V44385
Ethanol	<42.0	µg/L	42.0	200	1	03/02/24 06:02	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/02/24 06:02	ENM	V44385
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/02/24 06:02	ENM	V44385
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/02/24 06:02	ENM	V44385
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/02/24 06:02	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/02/24 06:02	ENM	V44385
Surrogate: 4-Bromofluorobenzene	94.4		Limits: 80-124%		1	03/02/24 06:02	ENM	V44385
Surrogate: Dibromofluoromethane	92.6		Limits: 75-129%		1	03/02/24 06:02	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	86.0		Limits: 63-136%		1	03/02/24 06:02	ENM	V44385
Surrogate: Toluene-d8	105		Limits: 77-123%		1	03/02/24 06:02	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97868**
Sample ID : **02261-PWFB**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:00**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/02/24 03:09	ENM	8260D
Surrogate: 4-Bromofluorobenzene	91.8		Limits: 80-124%		1	03/02/24 03:09	ENM	V44385
Surrogate: Dibromofluoromethane	96.0		Limits: 75-129%		1	03/02/24 03:09	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	95.6		Limits: 63-136%		1	03/02/24 03:09	ENM	V44385
Surrogate: Toluene-d8	106		Limits: 77-123%		1	03/02/24 03:09	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97868**
Sample ID : **02261-PWFB**

Matrix: **Aqueous**
Sampled: **2/21/2024 13:00**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/02/24 03:09	ENM	V44385
Ethanol	<42.0	µg/L	42.0	200	1	03/02/24 03:09	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/02/24 03:09	ENM	V44385
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/02/24 03:09	ENM	V44385
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/02/24 03:09	ENM	V44385
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/02/24 03:09	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/02/24 03:09	ENM	V44385
Surrogate: 4-Bromofluorobenzene	91.8		Limits: 80-124%		1	03/02/24 03:09	ENM	V44385
Surrogate: Dibromofluoromethane	96.0		Limits: 75-129%		1	03/02/24 03:09	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	95.6		Limits: 63-136%		1	03/02/24 03:09	ENM	V44385
Surrogate: Toluene-d8	106		Limits: 77-123%		1	03/02/24 03:09	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97869**
Sample ID : **02261-PWTB**

Matrix: **Aqueous**
Sampled: **2/21/2024 7:26**

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Method
3,3-Dimethyl-1-butanol	<1.00	µg/L	1.00	10.0	1	03/02/24 03:34	ENM	8260D
Surrogate: 4-Bromofluorobenzene	90.4		Limits: 80-124%		1	03/02/24 03:34	ENM	V44385
Surrogate: Dibromofluoromethane	94.8		Limits: 75-129%		1	03/02/24 03:34	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/02/24 03:34	ENM	V44385
Surrogate: Toluene-d8	103		Limits: 77-123%		1	03/02/24 03:34	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

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Project Carolina County Convience
Information : GRI #3289

Report Date : 03/11/2024
Received : 02/23/2024

Danyale Love
Project Manager

Report Number : **24-057-0006**

REPORT OF ANALYSIS

Lab No : **97869**
Sample ID : **02261-PWTB**

Matrix: **Aqueous**
Sampled: **2/21/2024 7:26**

Analytical Method: 8260D **Prep Batch(es):** **V44378** 03/01/24 09:00
Prep Method: 5030B

Test	Results	Units	MDL	MQL	DF	Date / Time Analyzed	By	Analytical Batch
Di-Isopropyl Ether (DIPE)	<0.960	µg/L	0.960	5.00	1	03/02/24 03:34	ENM	V44385
Ethanol	<42.0	µg/L	42.0	200	1	03/02/24 03:34	ENM	V44385
Ethyl Tertiary Butyl Ether (ETBE)	<1.80	µg/L	1.80	10.0	1	03/02/24 03:34	ENM	V44385
tert-Butyl Alcohol (TBA)	<1.60	µg/L	1.60	10.0	1	03/02/24 03:34	ENM	V44385
tert-Butyl formate (TBF)	<0.350	µg/L	0.350	10.0	1	03/02/24 03:34	ENM	V44385
tert-Amyl Alcohol (TAA)	<1.90	µg/L	1.90	10.0	1	03/02/24 03:34	ENM	V44385
tert-Amyl Methyl Ether (TAME)	<0.280	µg/L	0.280	10.0	1	03/02/24 03:34	ENM	V44385
Surrogate: 4-Bromofluorobenzene	90.4		Limits: 80-124%		1	03/02/24 03:34	ENM	V44385
Surrogate: Dibromofluoromethane	94.8		Limits: 75-129%		1	03/02/24 03:34	ENM	V44385
Surrogate: 1,2-Dichloroethane - d4	92.4		Limits: 63-136%		1	03/02/24 03:34	ENM	V44385
Surrogate: Toluene-d8	103		Limits: 77-123%		1	03/02/24 03:34	ENM	V44385

Qualifiers/ Definitions

DF	Dilution Factor	J	Estimated value
M	Minimum value	MQL	Method Quantitation Limit
Q	RPD >40% dual column results		

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 01, 2024

Danyale Love
Waypoint Analytical, LLC
449 Springbrook Rd
Charlotte, NC 28217

RE: Project: 24-057-0006
Pace Project No.: 92715347

Dear Danyale Love:

Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sarah Graham
sarah.graham@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Jerri Dawson, Waypoint Analytical
Angela Overcash, Waypoint Analytical

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CERTIFICATIONS

Project: 24-057-0006
Pace Project No.: 92715347

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 24-057-0006
Pace Project No.: 92715347

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92715347001	**02261-PW-3**	Drinking Water	02/21/24 13:45	02/26/24 13:00
92715347002	**02261-DUP-D**	Drinking Water	02/21/24 13:46	02/26/24 13:00
92715347003	**02261-PWFB**	Drinking Water	02/21/24 13:00	02/26/24 13:00
92715347004	**02261-PWTB**	Drinking Water	02/21/24 07:26	02/26/24 13:00

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SAMPLE ANALYTE COUNT

Project: 24-057-0006
Pace Project No.: 92715347

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92715347001	**02261-PW-3**	EPA 524.2	GAW	11	PASI-C
92715347002	**02261-DUP-D**	EPA 524.2	GAW	11	PASI-C
92715347003	**02261-PWFB**	EPA 524.2	GAW	11	PASI-C
92715347004	**02261-PWTB**	EPA 524.2	GAW	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: 24-057-0006
Pace Project No.: 92715347

Sample: 02261-PW-3 **Lab ID: 92715347001** Collected: 02/21/24 13:45 Received: 02/26/24 13:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		02/27/24 22:42	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		02/27/24 22:42	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		02/27/24 22:42	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		02/27/24 22:42	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		02/27/24 22:42	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		02/27/24 22:42	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		02/27/24 22:42	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		02/27/24 22:42	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		02/27/24 22:42	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		02/27/24 22:42	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		02/27/24 22:42	460-00-4	

Sample: 02261-DUP-D **Lab ID: 92715347002** Collected: 02/21/24 13:46 Received: 02/26/24 13:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		02/27/24 23:08	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		02/27/24 23:08	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		02/27/24 23:08	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		02/27/24 23:08	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		02/27/24 23:08	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		02/27/24 23:08	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		02/27/24 23:08	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		02/27/24 23:08	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		02/27/24 23:08	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		02/27/24 23:08	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		02/27/24 23:08	460-00-4	

Sample: 02261-PWFB **Lab ID: 92715347003** Collected: 02/21/24 13:00 Received: 02/26/24 13:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		02/28/24 15:14	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		02/28/24 15:14	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		02/28/24 15:14	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		02/28/24 15:14	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 24-057-0006
Pace Project No.: 92715347

Sample: 02261-PWFB **Lab ID: 92715347003** Collected: 02/21/24 13:00 Received: 02/26/24 13:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte								
Naphthalene	ND	mg/L	0.00050	0.00035	1		02/28/24 15:14	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		02/28/24 15:14	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		02/28/24 15:14	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		02/28/24 15:14	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		02/28/24 15:14	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		02/28/24 15:14	2199-69-1	
4-Bromofluorobenzene (S)	96	%	70-130		1		02/28/24 15:14	460-00-4	

Sample: 02261-PWTB **Lab ID: 92715347004** Collected: 02/21/24 07:26 Received: 02/26/24 13:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List	Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte								
Benzene	ND	mg/L	0.00050	0.00021	1		02/28/24 15:40	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00016	1		02/28/24 15:40	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00022	1		02/28/24 15:40	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00014	1		02/28/24 15:40	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00035	1		02/28/24 15:40	91-20-3	
Toluene	ND	mg/L	0.00050	0.00020	1		02/28/24 15:40	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00022	1		02/28/24 15:40	1330-20-7	
m&p-Xylene	ND	mg/L	0.0010	0.00039	1		02/28/24 15:40	179601-23-1	
o-Xylene	ND	mg/L	0.00050	0.00022	1		02/28/24 15:40	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		02/28/24 15:40	2199-69-1	
4-Bromofluorobenzene (S)	98	%	70-130		1		02/28/24 15:40	460-00-4	

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: 24-057-0006
Pace Project No.: 92715347

QC Batch: 835229
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92715347001, 92715347002

METHOD BLANK: 4314970 Matrix: Water
Associated Lab Samples: 92715347001, 92715347002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	02/27/24 17:02	
Benzene	mg/L	ND	0.00050	0.00021	02/27/24 17:02	
Ethylbenzene	mg/L	ND	0.00050	0.00022	02/27/24 17:02	
m&p-Xylene	mg/L	ND	0.0010	0.00039	02/27/24 17:02	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	02/27/24 17:02	
Naphthalene	mg/L	ND	0.00050	0.00035	02/27/24 17:02	
o-Xylene	mg/L	ND	0.00050	0.00022	02/27/24 17:02	
Toluene	mg/L	ND	0.00050	0.00020	02/27/24 17:02	
Xylene (Total)	mg/L	ND	0.00050	0.00022	02/27/24 17:02	
1,2-Dichlorobenzene-d4 (S)	%	94	70-130		02/27/24 17:02	
4-Bromofluorobenzene (S)	%	95	70-130		02/27/24 17:02	

LABORATORY CONTROL SAMPLE: 4314971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.023	116	70-130	
Benzene	mg/L	0.02	0.022	110	70-130	
Ethylbenzene	mg/L	0.02	0.022	109	70-130	
m&p-Xylene	mg/L	0.04	0.044	110	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.021	104	70-130	
Naphthalene	mg/L	0.02	0.022	108	70-130	
o-Xylene	mg/L	0.02	0.022	109	70-130	
Toluene	mg/L	0.02	0.022	111	70-130	
Xylene (Total)	mg/L	0.06	0.066	110		
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 24-057-0006
Pace Project No.: 92715347

QC Batch: 835582
QC Batch Method: EPA 524.2
Analysis Method: EPA 524.2
Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92715347003, 92715347004

METHOD BLANK: 4316746 Matrix: Water
Associated Lab Samples: 92715347003, 92715347004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00016	02/28/24 14:47	
Benzene	mg/L	ND	0.00050	0.00021	02/28/24 14:47	
Ethylbenzene	mg/L	ND	0.00050	0.00022	02/28/24 14:47	
m&p-Xylene	mg/L	ND	0.0010	0.00039	02/28/24 14:47	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00014	02/28/24 14:47	
Naphthalene	mg/L	ND	0.00050	0.00035	02/28/24 14:47	
o-Xylene	mg/L	ND	0.00050	0.00022	02/28/24 14:47	
Toluene	mg/L	ND	0.00050	0.00020	02/28/24 14:47	
Xylene (Total)	mg/L	ND	0.00050	0.00022	02/28/24 14:47	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130		02/28/24 14:47	
4-Bromofluorobenzene (S)	%	97	70-130		02/28/24 14:47	

LABORATORY CONTROL SAMPLE: 4316747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	mg/L	0.02	0.024	121	70-130	
Benzene	mg/L	0.02	0.023	117	70-130	
Ethylbenzene	mg/L	0.02	0.023	115	70-130	
m&p-Xylene	mg/L	0.04	0.047	118	70-130	
Methyl-tert-butyl ether	mg/L	0.02	0.022	110	70-130	
Naphthalene	mg/L	0.02	0.021	106	70-130	
o-Xylene	mg/L	0.02	0.024	118	70-130	
Toluene	mg/L	0.02	0.023	116	70-130	
Xylene (Total)	mg/L	0.06	0.071	118		
1,2-Dichlorobenzene-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	

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Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 24-057-0006
Pace Project No.: 92715347

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-057-0006
Pace Project No.: 92715347

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92715347001	**02261-PW-3**	EPA 524.2	835229		
92715347002	**02261-DUP-D**	EPA 524.2	835229		
92715347003	**02261-PWFB**	EPA 524.2	835582		
92715347004	**02261-PWTB**	EPA 524.2	835582		

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Pace ANALYTICAL SERVICES

Effective Date: 11/29/2023 4:16:30 PM

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Waypoint Analytical

Project #: WO# : 92715347

92715347

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other: ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: TJS 12/26/23

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92705

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 1.7 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.8

USDA Regulated Soil ☑ ☐ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☑ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92715347

PM: SMG **Due Date: 03/01/24**

CLIENT: 92-Prism

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																3													
2																3													
3																3													
4																2													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Waypoint ANALYTICAL

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

02/26/2024 11:46:26

Export Batch Report

Export Batch Id : 5206EXP

Created: 2/26/2024 11:45:15
Computer: WPALMS-129
User: Danyale Love
Project Manager: Danyale Love

To: Pace Analytical - Huntersville, NC
9800 Kincey Ave / Suite 100
Huntersville, NC 28078
704-875-9092

From: Waypoint Analytical, LLC (Charlotte)
449 Springbrook Road
Charlotte, NC 28217
704-529-6364

92715347

Report No	Due Date	Sample Date	Customer Sample No	Rush	Matrix	Lab No	Method No	Fee Code Description	
24-057-0006	03/01/2024	02/21/2024 13:45	02261-PW-3		AQU	97866	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/1,2-DCA (Sub to Pace)	001
24-057-0006	03/01/2024	02/21/2024 13:46	02261-DUP-D		AQU	97867	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/1,2-DCA (Sub to Pace)	002
24-057-0006	03/01/2024	02/21/2024 13:00	02261-PWFB		AQU	97868	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/1,2-DCA (Sub to Pace)	003
24-057-0006	03/01/2024	02/21/2024 07:26	02261-PWTB		AQU	97869	EPA-524.2 (EXP)	524.2 BTEX/MTBE/Naphthalene/1,2-DCA (Sub to Pace)	004

Sampled By	Method of Shipment	Blank / Cooler Temp.	
Remarks			
Relinquished By (sign)	Date / Time 2.26.24 ~~16:00~~ 13:00	Received By (sign)	Date / Time 2/26/24 ~~12~~ 1300
Relinquished By (sign)	Date / Time	Received By (sign)	Date / Time

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 06, 2024

Danyale Love
Waypoint Analytical, LLC
449 Springbrook Rd
Charlotte, NC 28217

RE: Project: 24-057-006
Pace Project No.: 92716782

Dear Danyale Love:

Enclosed are the analytical results for sample(s) received by the laboratory on March 05, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sarah Graham
sarah.graham@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Jerri Dawson, Waypoint Analytical
Angela Overcash, Waypoint Analytical

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: 24-057-006
Pace Project No.: 92716782

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006
South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: 24-057-006
Pace Project No.: 92716782

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92716782001	**02261-PW-3**	Water	02/21/24 13:45	03/05/24 14:52
92716782002	**02261-DUP-D**	Water	02/21/24 13:46	03/05/24 14:52
92716782003	**02261-PWFB**	Water	02/21/24 13:00	03/05/24 14:52

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SAMPLE ANALYTE COUNT

Project: 24-057-006
Pace Project No.: 92716782

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92716782001	**02261-PW-3**	EPA 504.1	HH	4	PASI-C
92716782002	**02261-DUP-D**	EPA 504.1	HH	4	PASI-C
92716782003	**02261-PWFB**	EPA 504.1	HH	4	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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ANALYTICAL RESULTS

Project: 24-057-006
Pace Project No.: 92716782

Sample: 02261-PW-3 **Lab ID: 92716782001** Collected: 02/21/24 13:45 Received: 03/05/24 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
504 GCS EDB and DBCP	Analytical Method: EPA 504.1 Preparation Method: EPA 504.1 Pace Analytical Services - Charlotte								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.049	0.0046	1	03/05/24 16:17	03/05/24 23:09	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0055	1	03/05/24 16:17	03/05/24 23:09	106-93-4	
1,2,3-Trichloropropane	ND	ug/L	0.049	0.0097	1	03/05/24 16:17	03/05/24 23:09	96-18-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	70-130		1	03/05/24 16:17	03/05/24 23:09	301-79-56	

Sample: 02261-DUP-D **Lab ID: 92716782002** Collected: 02/21/24 13:46 Received: 03/05/24 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
504 GCS EDB and DBCP	Analytical Method: EPA 504.1 Preparation Method: EPA 504.1 Pace Analytical Services - Charlotte								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.048	0.0045	1	03/05/24 16:17	03/05/24 23:20	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0054	1	03/05/24 16:17	03/05/24 23:20	106-93-4	
1,2,3-Trichloropropane	ND	ug/L	0.048	0.0094	1	03/05/24 16:17	03/05/24 23:20	96-18-4	
Surrogates									
1-Chloro-2-bromopropane (S)	257	%	70-130		1	03/05/24 16:17	03/05/24 23:20	301-79-56	S3

Sample: 02261-PWFB **Lab ID: 92716782003** Collected: 02/21/24 13:00 Received: 03/05/24 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
504 GCS EDB and DBCP	Analytical Method: EPA 504.1 Preparation Method: EPA 504.1 Pace Analytical Services - Charlotte								
1,2-Dibromo-3-chloropropane	ND	ug/L	0.049	0.0046	1	03/05/24 16:17	03/05/24 23:31	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0055	1	03/05/24 16:17	03/05/24 23:31	106-93-4	
1,2,3-Trichloropropane	ND	ug/L	0.049	0.0096	1	03/05/24 16:17	03/05/24 23:31	96-18-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	70-130		1	03/05/24 16:17	03/05/24 23:31	301-79-56	

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
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QUALITY CONTROL DATA

Project: 24-057-006
Pace Project No.: 92716782

QC Batch: 836671
QC Batch Method: EPA 504.1
Analysis Method: EPA 504.1
Analysis Description: GCS 504 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92716782001, 92716782002, 92716782003

METHOD BLANK: 4321533 Matrix: Water
Associated Lab Samples: 92716782001, 92716782002, 92716782003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,3-Trichloropropane	ug/L	ND	0.050	0.0097	03/05/24 19:37	
1,2-Dibromo-3-chloropropane	ug/L	ND	0.050	0.0047	03/05/24 19:37	
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0056	03/05/24 19:37	
1-Chloro-2-bromopropane (S)	%	106	70-130		03/05/24 19:37	

LABORATORY CONTROL SAMPLE & LCSD: 4321534 4321535

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	0.25	0.28	0.27	111	108	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	0.25	0.26	0.25	104	101	70-130	3	20	
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	0.25	102	99	70-130	3	20	
1-Chloro-2-bromopropane (S)	%				106	103	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4321537 4321538

Parameter	Units	92715861002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,3-Trichloropropane	ug/L	ND	0.24	0.24	0.15	0.14	62	57	65-135	8	20	M1
1,2-Dibromo-3-chloropropane	ug/L	ND	0.24	0.24	0.16	0.17	66	68	65-135	3	20	
1,2-Dibromoethane (EDB)	ug/L	ND	0.24	0.24	0.19	0.19	78	77	65-135	0	20	
1-Chloro-2-bromopropane (S)	%						86	85	70-130			

SAMPLE DUPLICATE: 4321536

Parameter	Units	92715861001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	91	85			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: 24-057-006
Pace Project No.: 92716782

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 24-057-006
Pace Project No.: 92716782

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92716782001	**02261-PW-3**	EPA 504.1	836671	EPA 504.1	836796
92716782002	**02261-DUP-D**	EPA 504.1	836671	EPA 504.1	836796
92716782003	**02261-PWFB**	EPA 504.1	836671	EPA 504.1	836796

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Pace

DO#_Title: ENV-FRM-HUNT-0000-V00_Sample Condition Upon Receipt

Effective Date: 11/29/2023 4:16:30 PM

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☑ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Waypoint Analytical

Project #:

WO#: 92716782

92716782

Courier: ☐ Commercial ☐ Fed Ex ☐ Pace ☐ UPS ☐ USPS ☐ Other:____ ☑ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: GMY 3/5/24

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags GMY 3/5/24 ☐ None ☑ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 92708

Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 3.9 Correction Factor: Add/Subtract (°C) 0

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.9

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☑ Yes	☐ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☐ Yes	☑ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Dark glass Sodium Thiosulfate

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92716782**

PM: SMG Due Date: 03/07/24

CLIENT: 92-Prism

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																	3												
2																	3												
3																	3												
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

92716782

Waypoint ANALYTICAL

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

03/05/2024 14:00:53

Export Batch Report

Export Batch Id : **5231EXP**

Created: 3/5/2024 14:00:43
Computer: WPALMS-131
User: Danyale Love
Project Manager: Danyale Love

To: Pace Analytical - Huntersville, NC
9800 Kincey Ave / Suite 100
Huntersville, NC 28078
704-875-9092

From: Waypoint Analytical, LLC (Charlotte)
449 Springbrook Road
Charlotte, NC 28217
704-529-6364

Report No	Due Date	Sample Date	Customer Sample No	Rush	Matrix	Lab No	Method No	Fee Code Description	
24-057-0006	03/01/2024	02/21/2024 13:45	02261-PW-3		AQU	97866	EPA-504.1	EDB 504.1 (AQU)	001
24-057-0006	03/01/2024	02/21/2024 13:46	02261-DUP-D		AQU	97867	EPA-504.1	EDB 504.1 (AQU)	002
24-057-0006	03/01/2024	02/21/2024 13:00	02261-PWFB		AQU	97868	EPA-504.1	EDB 504.1 (AQU)	003

Samples expire on 3/6

Sampled By	Method of Shipment	Blank / Cooler Temp.	
Remarks			
Relinquished By (sign)	Date / Time	Received By (sign)	Date / Time
Relinquished By (sign)	Date / Time 3.5.24 14:52	Received By (sign)	Date / Time 1452

Waypoint ANALYTICAL

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina County Convience**
Report No: **24-057-0006**

QC Prep: L736457
QC Prep Batch Method: 8011
QC Analytical Batch(es): L736965
Analysis Method: 8011
Analysis Description: EDB and DBCP by Microextraction GC/ECD

Lab Reagent Blank LRB-L736457 Matrix: AQU

Associated Lab Samples: 97816, 97817, 97818, 97819, 97820, 97821, 97822, 97823, 97824, 97825, 97826, 97827, 97828, 97829, 97830, 97831, 97832, 97833, 97834, 97835

Parameter	Units	Blank Result	MDL	MQL	Analyzed
1,2-Dibromoethane	µg/L	<0.00560	0.00560	0.0200	03/05/24 00:01

Laboratory Control Sample & LCSD LCS-L736457 LCSD-L736457

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dibromoethane	µg/L	0.100	0.107	0.126	107	126	70-130	16.3	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: L736459
QC Prep Batch Method: 8011
QC Analytical Batch(es): L736966
Analysis Method: 8011
Analysis Description: EDB and DBCP by Microextraction GC/ECD

Lab Reagent Blank LRB-L736459 Matrix: AQU

Associated Lab Samples: 97836, 97837, 97838, 97839, 97840, 97841, 97842, 97843, 97844, 97845, 97846, 97847, 97848, 97849, 97850, 97851, 97852, 97853, 97854, 97855

Parameter	Units	Blank Result	MDL	MQL	Analyzed
1,2-Dibromoethane	µg/L	<0.00560	0.00560	0.0200	03/05/24 07:55

Laboratory Control Sample & LCSD LCS-L736459 LCSD-L736459

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dibromoethane	µg/L	0.100	0.0931	0.115	93.1	115	70-130	21.0*	20.0

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina County Convience**
Report No: **24-057-0006**

QC Prep: L736471
QC Prep Batch Method: 8011
QC Analytical Batch(es): L736967
Analysis Method: 8011
Analysis Description: EDB and DBCP by Microextraction GC/ECD

Lab Reagent Blank LRB-L736471 Matrix: AQU
Associated Lab Samples: 97857, 97858, 97859, 97860, 97861, 97862, 97863, 97864

Parameter	Units	Blank Result	MDL	MQL	Analyzed
1,2-Dibromoethane	µg/L	<0.00560	0.00560	0.0200	03/05/24 15:49

Laboratory Control Sample & LCSD LCS-L736471 LCSD-L736471

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dibromoethane	µg/L	0.100	0.107	0.126	107	126	70-130	16.3	20.0

Waypoint ANALYTICAL

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44311
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44313
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V44311 Matrix: AQU
Associated Lab Samples: 97816, 97817, 97818, 97819, 97820, 97821, 97822, 97823, 97824, 97825

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	02/29/24 10:51		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	02/29/24 10:51		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	02/29/24 10:51		
Ethanol	µg/L	<42.0	42.0	200	02/29/24 10:51		
Ethylbenzene	µg/L	<0.170	0.170	0.500	02/29/24 10:51		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	02/29/24 10:51		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	02/29/24 10:51		
Naphthalene	µg/L	<0.470	0.470	1.00	02/29/24 10:51		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	02/29/24 10:51		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	02/29/24 10:51		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	02/29/24 10:51		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	02/29/24 10:51		
Toluene	µg/L	<0.220	0.220	0.500	02/29/24 10:51		
o-Xylene	µg/L	<0.210	0.210	0.500	02/29/24 10:51		
m,p-Xylene	µg/L	<0.420	0.420	1.00	02/29/24 10:51		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	02/29/24 10:51		
4-Bromofluorobenzene (S)					02/29/24 10:51	98.0	80-124
Dibromofluoromethane (S)					02/29/24 10:51	96.8	75-129
1,2-Dichloroethane - d4 (S)					02/29/24 10:51	96.0	63-136
Toluene-d8 (S)					02/29/24 10:51	96.8	77-123

Laboratory Control Sample & LCSD LCS-V44311 LCSD-V44311

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	21.2	21.3	106	107	77-128	0.4	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	21.5	21.4	108	107	60-154	0.4	20.0

Waypoint ANALYTICAL

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44311
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44313
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V44311 LCSD-V44311

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	20.2	20.2	101	101	68-131	0.0	20.0
Ethanol	µg/L	500	595	444	119	88.8	70-130	29.0*	20.0
Ethylbenzene	µg/L	20.0	20.4	20.7	102	104	80-127	1.4	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	43.9	43.9	110	110	70-130	0.0	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	20.5	20.3	103	102	68-135	0.9	20.0
Naphthalene	µg/L	20.0	18.6	19.3	93.0	96.5	64-136	3.6	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	39.4	39.0	98.5	97.5	60-140	1.0	20.0
tert-Butyl formate (TBF)	µg/L	40.0	45.1	43.4	113	109	60-140	3.8	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	19.6	17.2	98.0	86.0	60-140	13.0	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	46.4	46.1	116	115	60-140	0.6	20.0
Toluene	µg/L	20.0	21.3	21.2	107	106	76-131	0.4	20.0
o-Xylene	µg/L	20.0	20.8	20.9	104	105	78-128	0.4	20.0
m,p-Xylene	µg/L	40.0	42.8	43.6	107	109	77-133	1.8	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	21.6	20.2	108	101	70-130	6.6	20.0
4-Bromofluorobenzene (S)					102	99.2	80-124		
Dibromofluoromethane (S)					95.8	95.4	75-129		
1,2-Dichloroethane - d4 (S)					95.6	95.2	63-136		
Toluene-d8 (S)					96.6	97.0	77-123		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44314
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44316
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V44314 Matrix: AQU

Associated Lab Samples: 97826, 97827, 97828, 97829, 97830, 97831, 97832, 97833, 97834, 97835, 97836, 97837, 97838, 97839, 97840, 97841, 97842, 97843, 97844

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	03/01/24 00:00		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	03/01/24 00:00		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	03/01/24 00:00		
Ethanol	µg/L	<42.0	42.0	200	03/01/24 00:00		
Ethylbenzene	µg/L	<0.170	0.170	0.500	03/01/24 00:00		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	03/01/24 00:00		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	03/01/24 00:00		
Naphthalene	µg/L	<0.470	0.470	1.00	03/01/24 00:00		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	03/01/24 00:00		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	03/01/24 00:00		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	03/01/24 00:00		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	03/01/24 00:00		
Toluene	µg/L	<0.220	0.220	0.500	03/01/24 00:00		
o-Xylene	µg/L	<0.210	0.210	0.500	03/01/24 00:00		
m,p-Xylene	µg/L	<0.420	0.420	1.00	03/01/24 00:00		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	03/01/24 00:00		
4-Bromofluorobenzene (S)					03/01/24 00:00	97.0	80-124
Dibromofluoromethane (S)					03/01/24 00:00	94.6	75-129
1,2-Dichloroethane - d4 (S)					03/01/24 00:00	91.0	63-136
Toluene-d8 (S)					03/01/24 00:00	95.8	77-123

Laboratory Control Sample & LCSD LCS-V44314 LCSD-V44314

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	20.5	19.9	103	99.5	77-128	2.9	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	19.2	18.9	96.0	94.5	60-154	1.5	20.0

Waypoint ANALYTICAL
449 Springbrook Rd, Charlotte, NC 28217
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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44314
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44316
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V44314 LCSD-V44314

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	18.8	18.6	94.0	93.0	68-131	1.0	20.0
Ethanol	µg/L	500	411	490	82.2	98.0	70-130	17.5	20.0
Ethylbenzene	µg/L	20.0	19.7	18.8	98.5	94.0	80-127	4.6	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	41.4	40.7	104	102	70-130	1.7	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	20.4	20.2	102	101	68-135	0.9	20.0
Naphthalene	µg/L	20.0	21.0	18.7	105	93.5	64-136	11.5	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	38.7	36.0	96.7	90.0	60-140	7.2	20.0
tert-Butyl formate (TBF)	µg/L	40.0	36.9	34.9	92.2	87.2	60-140	5.5	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	21.3	19.0	107	95.0	60-140	11.4	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	42.7	42.3	107	106	60-140	0.9	20.0
Toluene	µg/L	20.0	20.4	19.8	102	99.0	76-131	2.9	20.0
o-Xylene	µg/L	20.0	20.3	19.1	102	95.5	78-128	6.0	20.0
m,p-Xylene	µg/L	40.0	41.4	38.8	104	97.0	77-133	6.4	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	20.1	19.1	101	95.5	70-130	5.1	20.0
4-Bromofluorobenzene (S)					100	98.0	80-124		
Dibromofluoromethane (S)					93.6	94.4	75-129		
1,2-Dichloroethane - d4 (S)					89.6	92.4	63-136		
Toluene-d8 (S)					97.6	95.6	77-123		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44376
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44384
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V44376 Matrix: AQU

Associated Lab Samples: 97816, 97826, 97833, 97839, 97845, 97846, 97847, 97848, 97849, 97850, 97851, 97852, 97853, 97854, 97855, 97856, 97857, 97859

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	03/01/24 14:00		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	03/01/24 14:00		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	03/01/24 14:00		
Ethanol	µg/L	<42.0	42.0	200	03/01/24 14:00		
Ethylbenzene	µg/L	<0.170	0.170	0.500	03/01/24 14:00		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	03/01/24 14:00		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	03/01/24 14:00		
Naphthalene	µg/L	<0.470	0.470	1.00	03/01/24 14:00		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	03/01/24 14:00		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	03/01/24 14:00		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	03/01/24 14:00		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	03/01/24 14:00		
Toluene	µg/L	<0.220	0.220	0.500	03/01/24 14:00		
o-Xylene	µg/L	<0.210	0.210	0.500	03/01/24 14:00		
m,p-Xylene	µg/L	<0.420	0.420	1.00	03/01/24 14:00		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	03/01/24 14:00		
4-Bromofluorobenzene (S)					03/01/24 14:00	99.2	80-124
Dibromofluoromethane (S)					03/01/24 14:00	94.4	75-129
1,2-Dichloroethane - d4 (S)					03/01/24 14:00	91.2	63-136
Toluene-d8 (S)					03/01/24 14:00	99.6	77-123

Laboratory Control Sample & LCSD LCS-V44376 LCSD-V44376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	20.2	19.9	101	99.5	77-128	1.4	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	18.8	18.8	94.0	94.0	60-154	0.0	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44376
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44384
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V44376 LCSD-V44376

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	17.8	17.9	89.0	89.5	68-131	0.5	20.0
Ethanol	µg/L	500	497	515	99.4	103	70-130	3.5	20.0
Ethylbenzene	µg/L	20.0	20.3	20.5	102	103	80-127	0.9	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	39.8	39.7	99.5	99.2	70-130	0.2	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	19.1	19.1	95.5	95.5	68-135	0.0	20.0
Naphthalene	µg/L	20.0	19.3	20.3	96.5	102	64-136	5.0	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	36.2	37.8	90.5	94.5	60-140	4.3	20.0
tert-Butyl formate (TBF)	µg/L	40.0	39.3	39.4	98.2	98.5	60-140	0.2	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	18.9	17.4	94.5	87.0	60-140	8.2	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	42.9	43.1	107	108	60-140	0.4	20.0
Toluene	µg/L	20.0	20.2	20.0	101	100	76-131	0.9	20.0
o-Xylene	µg/L	20.0	20.5	20.7	103	104	78-128	0.9	20.0
m,p-Xylene	µg/L	40.0	42.8	42.8	107	107	77-133	0.0	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	18.1	19.6	90.5	98.0	70-130	7.9	20.0
4-Bromofluorobenzene (S)					95.6	97.4	80-124		
Dibromofluoromethane (S)					92.4	91.4	75-129		
1,2-Dichloroethane - d4 (S)					89.4	87.6	63-136		
Toluene-d8 (S)					99.0	98.8	77-123		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44378
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44385
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V44378 Matrix: AQU
Associated Lab Samples: 97860, 97861, 97862, 97863, 97864, 97865, 97866, 97867, 97868, 97869

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	03/02/24 02:20		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	03/02/24 02:20		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	03/02/24 02:20		
Ethanol	µg/L	<42.0	42.0	200	03/02/24 02:20		
Ethylbenzene	µg/L	<0.170	0.170	0.500	03/02/24 02:20		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	03/02/24 02:20		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	03/02/24 02:20		
Naphthalene	µg/L	<0.470	0.470	1.00	03/02/24 02:20		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	03/02/24 02:20		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	03/02/24 02:20		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	03/02/24 02:20		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	03/02/24 02:20		
Toluene	µg/L	<0.220	0.220	0.500	03/02/24 02:20		
o-Xylene	µg/L	<0.210	0.210	0.500	03/02/24 02:20		
m,p-Xylene	µg/L	<0.420	0.420	1.00	03/02/24 02:20		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	03/02/24 02:20		
4-Bromofluorobenzene (S)					03/02/24 02:20	91.2	80-124
Dibromofluoromethane (S)					03/02/24 02:20	94.0	75-129
1,2-Dichloroethane - d4 (S)					03/02/24 02:20	94.6	63-136
Toluene-d8 (S)					03/02/24 02:20	105	77-123

Laboratory Control Sample & LCSD LCS-V44378 LCSD-V44378

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	19.1	19.0	95.5	95.0	77-128	0.5	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	16.8	17.7	84.0	88.5	60-154	5.2	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44378
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44385
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V44378 LCSD-V44378

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	17.8	17.1	89.0	85.5	68-131	4.0	20.0
Ethanol	µg/L	500	524	470	105	94.0	70-130	10.8	20.0
Ethylbenzene	µg/L	20.0	20.1	20.2	101	101	80-127	0.4	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	38.5	37.1	96.2	92.7	70-130	3.7	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	18.9	17.9	94.5	89.5	68-135	5.4	20.0
Naphthalene	µg/L	20.0	18.2	17.3	91.0	86.5	64-136	5.0	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	38.5	35.4	96.2	88.5	60-140	8.3	20.0
tert-Butyl formate (TBF)	µg/L	40.0	32.0	27.9	80.0	69.7	60-140	13.6	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	17.4	13.3	87.0	66.5	60-140	26.7*	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	42.3	40.7	106	102	60-140	3.8	20.0
Toluene	µg/L	20.0	19.4	19.1	97.0	95.5	76-131	1.5	20.0
o-Xylene	µg/L	20.0	20.7	19.1	104	95.5	78-128	8.0	20.0
m,p-Xylene	µg/L	40.0	42.0	41.4	105	104	77-133	1.4	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	19.5	16.5	97.5	82.5	70-130	16.6	20.0
4-Bromofluorobenzene (S)					87.8	93.2	80-124		
Dibromofluoromethane (S)					92.2	89.2	75-129		
1,2-Dichloroethane - d4 (S)					93.0	88.4	63-136		
Toluene-d8 (S)					100	102	77-123		

* QC Fail

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44418
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44419
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V44418 Matrix: AQU
Associated Lab Samples: 97857, 97858, 97860, 97862

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	03/04/24 13:27		
Di-Isopropyl Ether (DIPE)	µg/L	<0.960	0.960	5.00	03/04/24 13:27		
1,2-Dichloroethane	µg/L	<0.150	0.150	0.500	03/04/24 13:27		
Ethanol	µg/L	<42.0	42.0	200	03/04/24 13:27		
Ethylbenzene	µg/L	<0.170	0.170	0.500	03/04/24 13:27		
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	<1.80	1.80	10.0	03/04/24 13:27		
Methyl tert-butyl ether (MTBE)	µg/L	<0.140	0.140	0.500	03/04/24 13:27		
Naphthalene	µg/L	<0.470	0.470	1.00	03/04/24 13:27		
tert-Butyl Alcohol (TBA)	µg/L	<1.60	1.60	10.0	03/04/24 13:27		
tert-Butyl formate (TBF)	µg/L	<0.350	0.350	10.0	03/04/24 13:27		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	03/04/24 13:27		
tert-Amyl Methyl Ether (TAME)	µg/L	<0.280	0.280	10.0	03/04/24 13:27		
Toluene	µg/L	<0.220	0.220	0.500	03/04/24 13:27		
o-Xylene	µg/L	<0.210	0.210	0.500	03/04/24 13:27		
m,p-Xylene	µg/L	<0.420	0.420	1.00	03/04/24 13:27		
3,3-Dimethyl-1-butanol	µg/L	<1.00	1.00	10.0	03/04/24 13:27		
4-Bromofluorobenzene (S)					03/04/24 13:27	90.8	80-124
Dibromofluoromethane (S)					03/04/24 13:27	92.8	75-129
1,2-Dichloroethane - d4 (S)					03/04/24 13:27	90.2	63-136
Toluene-d8 (S)					03/04/24 13:27	99.6	77-123

Laboratory Control Sample & LCSD LCS-V44418 LCSD-V44418

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	18.3	18.4	91.5	92.0	77-128	0.5	20.0
Di-Isopropyl Ether (DIPE)	µg/L	20.0	18.0	17.2	90.0	86.0	60-154	4.5	20.0

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44418
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44419
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Laboratory Control Sample & LCSD LCS-V44418 LCSD-V44418

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
1,2-Dichloroethane	µg/L	20.0	16.0	16.6	80.0	83.0	68-131	3.6	20.0
Ethanol	µg/L	500	502	445	100	89.0	70-130	12.0	20.0
Ethylbenzene	µg/L	20.0	19.4	20.0	97.0	100	80-127	3.0	20.0
Ethyl Tertiary Butyl Ether (ETBE)	µg/L	40.0	38.6	37.0	96.5	92.5	70-130	4.2	20.0
Methyl tert-butyl ether (MTBE)	µg/L	20.0	19.1	17.9	95.5	89.5	68-135	6.4	20.0
Naphthalene	µg/L	20.0	20.2	17.9	101	89.5	64-136	12.0	20.0
tert-Butyl Alcohol (TBA)	µg/L	40.0	38.0	35.0	95.0	87.5	60-140	8.2	20.0
tert-Butyl formate (TBF)	µg/L	40.0	38.7	38.7	96.7	96.7	60-140	0.0	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	17.6	16.4	88.0	82.0	60-140	7.0	20.0
tert-Amyl Methyl Ether (TAME)	µg/L	40.0	41.0	40.5	103	101	60-140	1.2	20.0
Toluene	µg/L	20.0	18.4	17.6	92.0	88.0	76-131	4.4	20.0
o-Xylene	µg/L	20.0	20.5	20.2	103	101	78-128	1.4	20.0
m,p-Xylene	µg/L	40.0	41.5	41.9	104	105	77-133	0.9	20.0
3,3-Dimethyl-1-butanol	µg/L	20.0	17.5	19.0	87.5	95.0	70-130	8.2	20.0
4-Bromofluorobenzene (S)					93.0	95.8	80-124		
Dibromofluoromethane (S)					96.8	91.8	75-129		
1,2-Dichloroethane - d4 (S)					88.6	88.6	63-136		
Toluene-d8 (S)					106	100	77-123		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44500
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44510
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V44500 Matrix: AQU
Associated Lab Samples: 97842

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
Benzene	µg/L	<0.180	0.180	0.500	03/05/24 11:32		
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	03/05/24 11:32		
4-Bromofluorobenzene (S)					03/05/24 11:32	91.6	80-124
Dibromofluoromethane (S)					03/05/24 11:32	89.4	75-129
1,2-Dichloroethane - d4 (S)					03/05/24 11:32	88.8	63-136
Toluene-d8 (S)					03/05/24 11:32	98.8	77-123

Laboratory Control Sample & LCSD LCS-V44500 LCSD-V44500

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
Benzene	µg/L	20.0	18.9	19.6	94.5	98.0	77-128	3.6	20.0
tert-Amyl Alcohol (TAA)	µg/L	20.0	15.8	17.2	79.0	86.0	60-140	8.4	20.0
4-Bromofluorobenzene (S)					87.8	90.8	80-124		
Dibromofluoromethane (S)					93.0	94.6	75-129		
1,2-Dichloroethane - d4 (S)					89.2	91.2	63-136		
Toluene-d8 (S)					108	103	77-123		

Matrix Spike & Matrix Spike Duplicate V 98071-MS-V44500 V 98071-MSD-V44500

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Benzene	µg/L	< 1.80	20.0	20.0	18.6	18.7	93.0	93.5	73-131	0.5	17.0
tert-Amyl Alcohol (TAA)	µg/L	< 19.0	20.0	20.0	18.1	17.4	90.5	87.0	60-140	3.9	20.0
4-Bromofluorobenzene (S)							92.4	93.0	80-124		
Dibromofluoromethane (S)							92.4	92.2	75-129		
1,2-Dichloroethane - d4 (S)							86.8	85.0	63-136		

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Quality Control Data

Client ID: **Geological Resources, Inc.**
Project Description: **Carolina County Convience**
Report No: **24-057-0006**

QC Prep: V44500
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44510
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Matrix Spike & Matrix Spike Duplicate V 98071-MS-V44500 V 98071-MSD-V44500

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Toluene-d8 (S)							100	103	77-123		

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Quality Control Data

Client ID: Geological Resources, Inc.
Project Description: Carolina County Convience
Report No: 24-057-0006

QC Prep: V44613
QC Prep Batch Method: 5030B
QC Analytical Batch(es): V44614
Analysis Method: 8260D
Analysis Description: Volatile Organic Compounds - GC/MS

Lab Reagent Blank LRB-V44613 Matrix: AQU
Associated Lab Samples: 97847

Parameter	Units	Blank Result	MDL	MQL	Analyzed	% Recovery	% Rec Limits
tert-Amyl Alcohol (TAA)	µg/L	<1.90	1.90	10.0	03/06/24 13:58		
4-Bromofluorobenzene (S)					03/06/24 13:58	90.2	80-124
Dibromofluoromethane (S)					03/06/24 13:58	91.2	75-129
1,2-Dichloroethane - d4 (S)					03/06/24 13:58	84.0	63-136
Toluene-d8 (S)					03/06/24 13:58	101	77-123

Laboratory Control Sample & LCSD LCS-V44613 LCSD-V44613

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS %Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD
tert-Amyl Alcohol (TAA)	µg/L	20.0	14.5	14.3	72.5	71.5	60-140	1.3	20.0
4-Bromofluorobenzene (S)					91.8	93.2	80-124		
Dibromofluoromethane (S)					90.4	89.6	75-129		
1,2-Dichloroethane - d4 (S)					82.8	82.6	63-136		
Toluene-d8 (S)					101	102	77-123		

Waypoint ANALYTICAL

449 Springbrook Rd, Charlotte, NC 28217
Main 704.529.6364
www.waypointanalytical.com

Shipment Receipt Form

Customer Number: **00087**
Customer Name: **Geological Resources, Inc.**
Report Number: **24-057-0006**

Shipping Method

○ Fed Ex	○ US Postal	◉ Lab	○ Other :	
○ UPS	○ Client	○ Courier	Thermometer ID:	IRT15 2.7C

Shipping container/cooler uncompromised?	◉ Yes	○ No	
Number of coolers/boxes received	3		
Custody seals intact on shipping container/cooler?	○ Yes	○ No	◉ Not Present
Custody seals intact on sample bottles?	○ Yes	○ No	◉ Not Present
Chain of Custody (COC) present?	◉ Yes	○ No	
COC agrees with sample label(s)?	◉ Yes	○ No	
COC properly completed	◉ Yes	○ No	
Samples in proper containers?	◉ Yes	○ No	
Sample containers intact?	◉ Yes	○ No	
Sufficient sample volume for indicated test(s)?	◉ Yes	○ No	
All samples received within holding time?	◉ Yes	○ No	
Cooler temperature in compliance?	◉ Yes	○ No	
Cooler/Samples arrived at the laboratory on ice. Samples were considered acceptable as cooling process had begun.	◉ Yes	○ No	
Water - Sample containers properly preserved	◉ Yes	○ No	○ N/A
Water - VOA vials free of headspace	◉ Yes	○ No	○ N/A
Trip Blanks received with VOAs	◉ Yes	○ No	○ N/A
Soil VOA method 5035 – compliance criteria met	○ Yes	○ No	◉ N/A

☐ High concentration container (48 hr) ☐ Low concentration EnCore samplers (48 hr)
☐ High concentration pre-weighed (methanol -14 d) ☐ Low conc pre-weighed vials (Sod Bis -14 d)

Special precautions or instructions included?	○ Yes	◉ No

Comments:

Signature: Angelo Norvell Date & Time: 02/26/2024 10:10:20

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GRI Cust #87	Ashleigh Thrash	Same	

Project Description	Project/Site Location (City/State)		Method of Shipment	Matrix Key
Carolina Country Convenience	Pageland, SC	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	☐ Fed Ex ☐ UPS ☐ USPS ☒ Courier ☐ Client Drop Off Other	WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc

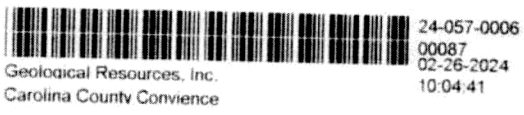
Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
GRI #3289	704-845-4010	ashleigh@grienv.com	GRI #3289	

Waypoint ANALYTICAL
449 Springbrook Road
Charlotte, NC 28217
Phone: 704-529-6364
Fax: 704-525-0409

Unless noted, all containers per Table II of 40 CFR Part 136

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	8260* + Oxys	8011	524.2*	8260 Oxys	504.1					Comments/Notes
			Required Analysis / Preservative												
2/21/24	1038	02261 - MW-1	6	GW	G	X	X								*BTEX/MTBE/Nap/1,2-DCA
2/21/24	0948	02261 - MW-2	6	GW	G	X	X								
2/21/24	1014	02261 - MW-3	6	GW	G	X	X								
2/21/24	1037	02261 - MW-4	6	GW	G	X	X								
2/21/24	1051	02261 - MW-5	6	GW	G	X	X								
2/21/24	1428	02261 - MW-6	6	GW	G	X	X								
2/21/24	1156	02261 - MW-7	6	GW	G	X	X								
2/21/24	1119	02261 - MW-8	6	GW	G	X	X								
2/21/24	1042	02261 - MW-9	6	GW	G	X	X								
2/21/24	1402	02261 - MW-10	6	GW	G	X	X								



For Laboratory Use Only			Sampled by (Name – Print)	Client Remarks/Comments
Ice	Custody Seals	Lab Comments	Matt Greene	SCDHEC UST Management Division UST Permit # 02261
Y / N	Y / N			

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	2/23/24 0930		2-25-24 9:50
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	2-25-24 13:40		2/23/24 1310

Blank/Cooler Temp
Temps 2.7

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GRI Cust #87	Ashleigh Thrash	Same	

Project Description	Project/Site Location (City/State)		Method of Shipment	Matrix Key
Carolina Country Convenience	Pageland, SC	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	☐ Fed Ex ☐ UPS ☐ USPS ☒ Courier ☐ Client Drop Off Other	WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc

Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
GRI #3289	704-845-4010	ashleigh@grienv.com	GRI #3289	

Waypoint ANALYTICAL
449 Springbrook Road
Charlotte, NC 28217
Phone: 704-529-6364
Fax: 704-525-0409

Unless noted, all containers per Table II of 40 CFR Part 136

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	8260* + Oxys	8011	524.2*	8260 Oxys	504.1					Comments/Notes
			Required Analysis / Preservative												
2/21/24	1217	02261 - MW-12	6	GW	G	X	X								*BTEX/MTBE/Nap/1,2-DCA
2/21/24	1143	02261 - MW-13	6	GW	G	X	X								
2/22/24	1135	02261 - MW-14	6	GW	G	X	X								
2/21/24	1206	02261 - MW-16	6	GW	G	X	X								
2/21/24	1130	02261 - MW-17	6	GW	G	X	X								
2/21/24	1049	02261 - MW-18	6	GW	G	X	X								
2/21/24	1440	02261 - MW-19	6	GW	G	X	X								
2/22/24	1012	02261 - MW-21	6	GW	G	X	X								
2/21/24	1628	02261 - MW-22	6	GW	G	X	X								
2/21/24	1543	02261 - MW-24	6	GW	G	X	X								

24-057-0006
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02-26-2024
10:04:41
Geological Resources, Inc.
Carolina County Convience

For Laboratory Use Only			Sampled by (Name – Print)	Client Remarks/Comments
Ice	Custody Seals	Lab Comments	Matt Greene	SCDHEC UST Management Division UST Permit # 02261
(Y) N	Y / (N)			
Blank/Cooler Temp				
BMS 2.7				

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Matthew Greene	2/23/24 0930	[signature]	2.23.24 0930
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
[signature]	2.23.24 13:00	[signature]	2/23/24 1310

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GRI Cust #87	Ashleigh Thrash	Same	

Project Description	Project/Site Location (City/State)		Method of Shipment	Matrix Key
Carolina Country Convenience	Pageland, SC	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	☐ Fed Ex ☐ UPS ☐ USPS ☒ Courier ☐ Client Drop Off Other	WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc

Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
GRI #3289	704-845-4010	ashleigh@grienv.com	GRI #3289	

Waypoint ANALYTICAL
449 Springbrook Road
Charlotte, NC 28217
Phone: 704-529-6364
Fax: 704-525-0409

Unless noted, all containers per Table II of 40 CFR Part 136

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	8260* + Oxys	8011	524.2*	8260 Oxys	504.1					Comments/Notes
			Required Analysis / Preservative												
2/21/24	1118	02261 - MW-25	6	GW	G	X	X								*BTEX/MTBE/Nap/1,2-DCA
2/21/24	1603	02261 - MW-26	6	GW	G	X	X								
2/21/24	1519	02261 - MW-27	6	GW	G	X	X								
2/22/24	1147	02261 - MW-28	6	GW	G	X	X								
2/22/24	0920	02261 - MW-29	6	GW	G	X	X								
2/21/24	1457	02261 - MW-30	6	GW	G	X	X								
2/21/24	1333	02261 - MW-31	6	GW	G	X	X								
2/22/24	0810	02261 - MW-32	6	GW	G	X	X								
2/22/24	0859	02261 - MW-33	6	GW	G	X	X								
2/21/24	1520	02261 - MW-34	6	GW	G	X	X								

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02-26-2024
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Geological Resources, Inc.
Carolina County Convience

For Laboratory Use Only		
Ice (Y/N)	Custody Seals (Y/N)	Lab Comments
Y / N	Y / N	
Blank/Cooler Temp		
DNTS 2.7		

Sampled by (Name – Print): Matt Greene

Client Remarks/Comments: SCDHEC UST Management Division
UST Permit # 02261

Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
Matthew Greene	2/23/24	0930		2-23-24	0930
Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
Relinquished by: (SIGNATURE)	Date	Time	Received by: (SIGNATURE)	Date	Time
	2-23-24	1310		2/23/24	1310

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GRI Cust #87	Ashleigh Thrash	Same	

Project Description	Project/Site Location (City/State)		Method of Shipment	Matrix Key
Carolina Country Convenience	Pageland, SC	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	☐ Fed Ex ☐ UPS ☐ USPS ☒ Courier ☐ Client Drop Off Other	WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc

Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
GRI #3289	704-845-4010	ashleigh@grienv.com	GRI #3289	

Waypoint ANALYTICAL
449 Springbrook Road
Charlotte, NC 28217
Phone: 704-529-6364
Fax: 704-525-0409

Unless noted, all containers per Table II of 40 CFR Part 136

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	8260* + Oxys	8011	524.2*	8260 Oxys	504.1					Comments/Notes
			Required Analysis / Preservative												
2/21/24	1449	02261 - MW-35	6	GW	G	X	X								*BTEX/MTBE/Nap/1,2-DCA
2/22/24	1158	02261 - MW-28I	6	GW	G	X	X								
2/22/24	0933	02261 - MW-29I	6	GW	G	X	X								
2/22/24	1044	02261 - MW-30I	6	GW	G	X	X								
2/22/24	1004	02261 - MW-~~3~~ 31I	6	GW	G	X	X								
2/21/24	1145	02261 - TW-1	6	GW	G	X	X								
2/21/24	1108	02261 - TW-2	6	GW	G	X	X								
2/21/24	1030	02261 - TW-3	6	GW	G	X	X								
2/22/24	1121	02261 - TW-4	6	GW	G	X	X								
2/21/24	1625	02261 - TW-5	6	GW	G	X	X								

24-057-0006
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02-26-2024
10:04:41
Geological Resources, Inc.
Carolina County Convience

For Laboratory Use Only

Ice	Custody Seals	Lab Comments
Y / N	Y / N	

Blank/Cooler Temp: Bottles 2.7

Sampled by (Name – Print): Matt Greene

Client Remarks/Comments: SCDHEC UST Management Division
UST Permit # 02261

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Matthew Greene	2/23/24 0930		2.23.24 0930
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	2.23.24 1310		2/23/24 1510

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GRI Cust #87	Ashleigh Thrash	Same	

Project Description	Project/Site Location (City/State)		Method of Shipment	Matrix Key
Carolina Country Convenience	Pageland, SC	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	☐ Fed Ex ☐ UPS ☐ USPS ☒ Courier ☐ Client Drop Off Other	WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc

Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
GRI #3289	704-845-4010	ashleigh@grienv.com	GRI #3289	

Waypoint ANALYTICAL
449 Springbrook Road
Charlotte, NC 28217
Phone: 704-529-6364
Fax: 704-525-0409

Unless noted, all containers per Table II of 40 CFR Part 136

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	Required Analysis / Preservative: 8260* + Oxys	8011	524.2*	8260 Oxys	504.1	Comments/Notes
2/21/24	1600	02261 - TW-6	6	GW	G	X	X				*BTEX/MTBE/Nap/1,2-DCA
2/22/24	0849	02261 - TW-8	6	GW	G	X	X				
2/21/24	1507	02261 - TW-9	6	GW	G	X	X				
2/21/24	1435	02261 - TW-10	6	GW	G	X	X				
2/22/24	1039	02261 - DUP-A	6	GW	G	X	X				
2/22/24	1136	02261 - DUP-B	6	GW	G	X	X				
2/22/24	1013	02261 - DUP-C	6	GW	G	X	X				
2/21/24	0900	02261 - MW FB-1	6	GW	G	X	X				
2/22/24	0800	02261 - MW FB-2	6	GW	G	X	X				
2/21/24	0725	02261 - MW TB	6	GW	G	X	X				

Geological Resources, Inc.
Carolina County Convience
24-057-0006
00087
02-26-2024
10:04:41

For Laboratory Use Only

Ice	Custody Seals	Lab Comments
Y / N	Y / N	

Blank/Cooler Temp: 2.7

Sampled by (Name – Print): Matt Greene

Client Remarks/Comments: SCDHEC UST Management Division
UST Permit # 02261

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Matthew Greene	2/23/24 0930		2-23-24 0930
	Date Time		Date Time
	Date Time		Date Time
	2-23-24 1310		2/23/24 1310

Client Name/Address	Client Project Manager/Contact	Billing Information	For Laboratory Use Only
GRI Cust #87	Ashleigh Thrash	Same	

Project Description	Project/Site Location (City/State)		Method of Shipment	Matrix Key
Carolina Country Convenience	Pageland, SC	☐ RUSH – Additional charges apply ☐ Special Detection Limit(s) Date Results Needed	☐ Fed Ex ☐ UPS ☐ USPS ☒ Courier ☐ Client Drop Off Other	WW – Wastewater GW – Groundwater DW – Drinking Water S – Soil /Solid O – Oil P - Product M - Misc

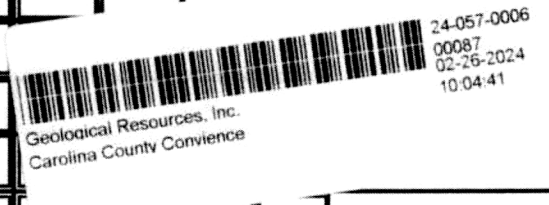
Project Number	Project Manager Phone #	Project Manager Email	Purchase Order Number	Site/Facility ID #
GRI #3289	704-845-4010	ashleigh@grienv.com	GRI #3289	

Waypoint ANALYTICAL
449 Springbrook Road
Charlotte, NC 28217
Phone: 704-529-6364
Fax: 704-525-0409

Unless noted, all containers per Table II of 40 CFR Part 136

A	Cool < 10C Na2S2O3 (Micro Only)
B	Cool <= 6C
C	H2SO4 pH<2
D	None Required
E	NaOH pH>10
F	HNO3 pH<2
G	HCL pH<2
H	H3PO4 pH<2
I	Cool <= 6C NA2S2O3

Date	Time	Sample Identification	Number of Containers	Matrix (Refer to Key)	(G)rab or (C)omposite	8260* + Oxys	8011	524.2*	8260 Oxys	504.1	Comments/Notes
			Required Analysis / Preservative								
2/21/24	1345	02261 - PW-3	9	DW	G			X	X	X	*BTEX/MTBE/Nap/1,2-DCA
2/21/24	1346	02261 - DUP-D	9	DW	G			X	X	X	
2/21/24	1300	02761 - ~~MS~~ PWFB	9	DW	G			X	X	X	
2/21/24	0726	02261 - PW TB	4	DW	G			X	X		



For Laboratory Use Only			Sampled by (Name – Print)	Client Remarks/Comments
Ice: Y / N	Custody Seals: Y / N	Lab Comments	Matt Greene	SCDHEC UST Management Division UST Permit #02761

Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Matthew Greene	2/23/24 0930		2.23.24 0930
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	2.23.24 1510		2/23/24 1510

Blank/Cooler Temp: WTS 2.7C

APPENDIX B

Field Data Information Sheets

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 2/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience
County: Chesterfield	Project Manager: Jake Niles	Field Personnel: Matt Evans, Matt Greene, Kyle Perry, Scott Ball

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	24.52	25-30	—	19.68	—	Y	N	Y	0/2	N
MW-2	41.71	37-42	—	26.07	—	Y	N	Y	1/2	N
MW-3	42.06	37-42	—	22.27	—	Y	N	Y	0/2	N
MW-4	~~23.35~~ 41.90	37-42	—	23.85	—	Y	N	Y	0/2	N
MW-5	42.01	37-42	—	30.34	—	Y	N	Y	0/2	N
MW-6	34.71	30-35	—	9.89	—	Y	N	Y	0/2	~~N~~
MW-7	33.70 ~~15.84~~	25-30	—	15.84	—	Y	N	Y	0/2	N
MW-8	30.08	25-30	—	13.95	—	Y	N	Y STICK UP	NA STICKUP	NA
MW-9	32.92	25-30	—	20.85	—	Y	N	Y	NA STICKUP	NA
MW-10	35.33	30-35	—	17.16	—	Y	N	Y	STICKUP	NA
MW-11	NOT LOCATED	30-35	—	—	—	—	—	—	1/2	N
MW-12	35.37	30-35	—	23.41	—	Y	N	Y	0/2	N
MW-13	35.04	30-35	—	22.08	—	Y	N	Y	0/2	N

Notes: MW-11 COVERED W/ NEW ASPHALT

Signature: Matthew Evans

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 2/21/24

Site ID #: 02261

County: Chesterfield

Project Manager: Jake Niles

Site Name: Carolina Country Convenience

Field Personnel: Matt Evans, Matt Greene, Kyle Perry, Scott Ball

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	34.99	30-35	—	24.54	—	Y	N	Y	1/2	N
MW-15	NOT LOCATED	15-25								
MW-16	25.25	15-25	—	12.51	—	Y	N	Y	2/2	N
MW-17	25.46	15-25	—	10.21	—	Y	N	Y	1/2	N
MW-18	24.38	14-24	—	18.40	—	Y	N	Y	0/2	Y
MW-19	29.66	15-30	—	12.35	—	Y	N	Y	0/2	N
MW-20	NOT LOCATED	15-30	—							
MW-21	~~35.37~~ 29.93	15-30	—	23.54	—	Y	N	Y	0/2	~~N~~
MW-22	29.06	15-30	—	22.01	—	Y	N	Y	0/2	N
MW-23	28.18	15-30	—	23.17	—	Y	N	Obstructed at top of well	0/2	N
MW-24	36.98	12-37	—	26.11	—	Y	N	Y	0/2	N
MW-25	27.48	12-37	—	22.19	—	Y	N	Y	0/2	N
MW-26	36.73	12-37	—	23.85	—	Y	N	Y	0/2	N

Notes: MW-15 NOT LOCATED
MW-20 COVERED W/NEW ASPHALT
MW-23 Damaged - needs repair/replacement

DHEC 0424 (10/2012)

Signature: [signature]

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 2/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience
County: Chesterfield	Project Manager: Jake Niles	Field Personnel: Matt Evans, Matt Greene, Kyle Perry, Scott Ball

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-27	37.71	12-37	—	31.10	—	Y	N	Y	0/2	N
MW-28	29.93	15-30	—	25.21	—	Y	N	Y	2/2	N
MW-29	29.87	15-30	—	22.48	—	Y	N	Y	0/2	N
MW-30	30.02	15-30	—	22.85	—	Y	N	Y	0/2	N
MW-31	29.63	15-30	—	24.11	—	Y	N	Y	0/2	N
MW-32	35.24	20-35	—	10.28	—	Y	N	Y	1/2	N
MW-33	43.64	30-40	—	34.83	—	Y	N	Y	0/2	N
MW-34	53.48	30-50	—	37.31	—	Y	N	Y	N/A	N
MW-35	50.48	~~51-56~~ 30-50	—	40.61	—	Y	N	Y	N/A	N
MW-28I	56.36	51-56	—	24.27	—	Y	N	Y	0/2	N
MW-29I	56.20	51-56	—	23.39	—	Y	N	Y	0/2	N
MW-30I	56.36	51-56	—	23.51	—	Y	N	Y	0/2	Y
MW-31I	56.31	51-56	—	23.62	—	Y	N	Y	0/2	N

Notes: _____

Signature: _____

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Monitoring Well Gauging

Site Information

Date: 2/21/24	Site ID #: 02261	Site Name: Carolina Country convenience
County: Chesterfield	Project Manager: Jake Niles	Field Personnel: Matt evans, Matt Greene, Kyle Perry, Scott Ball

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?
TW-1	59.36	51-56	—	16.75	—	Y	N	~~NA~~ YES STICKUP	STICKUP NA	NA
TW-2	58.61	51-56	—	16.71	—	Y	N	Y	NA STICKUP	NA
TW-3	56.29	51-56	—	20.87	—	Y	N	Y	NA	NA
TW-4	60.64	56-61	—	24.17	—	Y	N	Y	1/2	N
TW-5	57.78	56-61	—	22.11	—	Y	N	Y	0/2	N
TW-6	66.84	63-68	—	31.29	—	Y	N	Y	0/2	N
TW-7	NOT LOCATED	51-56								
TW-8	~~70.36~~	63-68	—	34.14	—	Y	N	X	N/A	N
TW-9	71.34	63-68	—	36.76	—	Y	N	Y	N/A	N
TW-10	~~40.67~~ 66.36	63-68	—	40.67	—	~~N~~	N	Y	0/2	N

Notes: TW-7 COVERED W/ NEW ASPHALT

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other_____ ___Private WSW ___Public WSW	Screened Interval (ft.): 25-30 to		Total Well Depth (TWD) (ft.): 24.52
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 19.60		Free Product Thickness (ft.): N/A
Length of water column (LWC=TWD-DGW)(ft.): 4.92	1 casing volume (CV=LWC*C)(gals): 0.75	3 casing volumes 3*CV)(gals): 2.25	5 casing volumes (5*CV)(gals): 3.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	0.75	1.5	2.25				
Time (military)	1033	1035						
PH (s.u.)	5.30	5.24						
Specific Conductivity (µS/cm)	151.3	148.1						
Water Temperature (°C)	19.3	19.7						
Turbidity (NTU)	18.42	186.43						
Dissolved Oxygen (mg/L)	2.65	2.56						

Sampling Data

Sampled By: Matthew Greene	Sampling Time: 1038	Duplicate: (Y) or N	If yes, Duplicate Time: DUP-A 1039

Notes: Dry @ 1.0 gallons — Limited Volume HOT

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 37-42	Total Well Depth (TWD) (ft.): 41.71	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 26.07	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 15.64	1 casing volume (CV=LWC*C)(gals): 2.50	3 casing volumes 3*CV)(gals): 7.50	5 casing volumes (5*CV)(gals): 10.00

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.50	5.00	7.50				
Time (military)	~~0927~~ 0934	0938	~~0942~~ 0944	0948				
PH (s.u.)	5.86	5.86	5.89	5.89				
Specific Conductivity (µS/cm)	173.4	165.3	171.9	174.4				
Water Temperature (°C)	17.2	18.2	18.1	18.6				
Turbidity (NTU)	63.55	116.86	187.33	148.18				
Dissolved Oxygen (mg/L)	2.61	2.77	3.18	3.12				

Sampling Data

Sampled By: Matt Greene	Sampling Time: 0948	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: ~~MW-1~~

Signature: Matt Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): to 37-42	Total Well Depth (TWD) (ft.): 42.06
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 22.27		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 19.79	1 casing volume (CV=LWC*C)(gals): 3.25	3 casing volumes 3*CV)(gals): 9.75	5 casing volumes (5*CV)(gals): 16.25

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3.75	6.50	9.75				
Time (military)	1000	1007	1014					
PH (s.u.)	5.40	5.36	5.42					
Specific Conductivity (µS/cm)	67.6	59.4	57.7					
Water Temperature (°C)	16.1	17.2	17.7					
Turbidity (NTU)	21.82	239.98	664.31					
Dissolved Oxygen (mg/L)	6.72	6.28	6.30					

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1014	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 7.00 gal

Signature: Matt Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 37-42	Total Well Depth (TWD) (ft.): 40.90	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 23.85	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 17.05	1 casing volume (CV=LWC*C)(gals): 2.75	3 casing volumes 3*CV)(gals): 8.25	5 casing volumes (5*CV)(gals): 13.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.75	5.5	8.25				
Time (military)	1028	1034						
PH (s.u.)	5.69	5.48						
Specific Conductivity (µS/cm)	84.4	73.2						
Water Temperature (°C)	16.4	17.6						
Turbidity (NTU)	21.76	209.54						
Dissolved Oxygen (mg/L)	3.93	3.67						

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1037	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 5 gal

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	S te Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW		Screened Interval (ft.): to 37-42	Total Well Depth (TWD) (ft.): 42.01
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 30.34		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 11.67	1 casing volume (CV=LWC*C)(gals): 2	3 casing volumes 3*CV)(gals): 6	5 casing volumes (5*CV)(gals): 10

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2	4	6				
Time (military)	1046	1050						
PH (s.u.)	4.90	4.88						
Specific Conductivity (µS/cm)	45.9	48.3						
Water Temperature (°C)	17.6	17.4						
Turbidity (NTU)	172.56	562.19						
Dissolved Oxygen (mg/L)	7.01	7.09						

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1051	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 3 gal

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): to 30-35	Total Well Depth (TWD) (ft.): 34.71	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 9.89	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 24.82	1 casing volume (CV=LWC*C)(gals): 4	3 casing volumes 3*CV)(gals): 12	5 casing volumes (5*CV)(gals): 20

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	4	8	12				
Time (military)	1412	1423						
PH (s.u.)	5.40	5.36						
Specific Conductivity (µS/cm)	120.1	129.7						
Water Temperature (°C)	15.3	16.5						
Turbidity (NTU)	14.17	131.6						
Dissolved Oxygen (mg/L)	8.77	8.70						

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1428	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 5.5 gal

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 07261	S te Name: Carolina Country Convenience	Field Personnel: ~~07~~ ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 25-30		Total Well Depth (TWD) (ft.): 33.70
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 15.87		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 17.83	1 casing volume (CV=LWC*C)(gals): 3	3 casing volumes 3*CV)(gals): 9	5 casing volumes (5*CV)(gals): 15

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3	6	9				
Time (military)	1148	1154						
PH (s.u.)	4.69	4.77						
Specific Conductivity (µS/cm)	165.0	14.7						
Water Temperature (°C)	17.9	17.0						
Turbidity (NTU)	6.97	10.53						
Dissolved Oxygen (mg/L)	5.51	7.62						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1156	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 4.75 gal

Signature: Matthew Cage

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial # 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): 25-30 to	Total Well Depth (TWD) (ft.): 30.08
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 13.95		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 16.13	1 casing volume (CV=LWC*C)(gals): 2.50	3 casing volumes 3*CV)(gals): 7.50	5 casing volumes (5*CV)(gals): 12.50

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.50	5.00	7.50				
Time (military)								
PH (s.u.)	4.46	4.46						
Specific Conductivity (µS/cm)	176.6	179.2						
Water Temperature (°C)	16.8	17.4						
Turbidity (NTU)	2.20	7.67						
Dissolved Oxygen (mg/L)	7.65	7.70						

Sampling Data

Sampled By: Scott Ball	Sampling Time: 1119	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 3.25

Signature: [signature]

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 25-30		Total Well Depth (TWD) (ft.): 32.92
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 20.85		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 12.07	1 casing volume (CV=LWC*C)(gals): 2	3 casing volumes 3*CV)(gals): 6	5 casing volumes (5*CV)(gals): 10

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2	4	6				
Time (military)	1037	1040						
PH (s.u.)	5.47	5.77						
Specific Conductivity (µS/cm)	76.2	72.8						
Water Temperature (°C)	15.8	16.7						
Turbidity (NTU)	8.36	82.33						
Dissolved Oxygen (mg/L)	9.17	9.07						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1042	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 2.75 gal

Signature: Matthew Evans

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al #: 19A101835	Calibration			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 30-35	Total Well Depth (TWD) (ft.): 35.33	
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 17.16	Free Product Thickness (ft.): N/A	
Length of water column (LWC=TWD-DGW)(ft.): 18.17	1 casing volume (CV=LWC*C)(gals): 3	3 casing volumes 3*CV)(gals): 9	5 casing volumes (5*CV)(gals): 15

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	3	6	9				
Time (military)	1343	1355						
PH (s.u.)	6.15	6.17						
Specific Conductivity (µS/cm)	776	791						
Water Temperature (°C)	18.2	19.0						
Turbidity (NTU)	41.03	126.3						
Dissolved Oxygen (mg/L)	4.09	3.83						

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1402	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: DRY @ 4 gal

Signature: Matthew Greene

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial # 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 30-35	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By:	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Covered by new asphalt - not found

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	S te Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al # 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 30-35	Total Well Depth (TWD) (ft.): 35.37	
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 23.41	Free Product Thickness (ft.): N/A	
Length of water column (LWC=TWD-DGW)(ft.): 11.96	1 casing volume (CV=LWC*C)(gals): 2	3 casing volumes 3*CV)(gals): 6	5 casing volumes (5*CV)(gals): 10

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2	4	6				
Time (military)	1208	1214						
PH (s.u.)	5.28	5.23						
Specific Conductivity (µS/cm)	167.2	152.1						
Water Temperature (°C)	18.5	18.9						
Turbidity (NTU)	12.66	224.28						
Dissolved Oxygen (mg/L)	4.24	3.11						

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1217	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 3.50 gal HOT

Signature: Matt Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 30-35 to	Total Well Depth (TWD) (ft.): 35.04	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 22.08	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 12.96	1 casing volume (CV=LWC*C)(gals): 2	3 casing volumes 3*CV)(gals): 6	5 casing volumes (5*CV)(gals): 10

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2	4	6				
Time (military)	1129	1134	1139					
PH (s.u.)	6.13	5.66	5.31					
Specific Conductivity (µS/cm)	89.3	95.6	98.4					
Water Temperature (°C)	19.0	19.5	19.2					
Turbidity (NTU)	25.61	82.40	128.65					
Dissolved Oxygen (mg/L)	4.39	2.72	3.38					

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1143	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 5 gal HOT

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: KP, MG
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 30-35	Total Well Depth (TWD) (ft.): 34.99	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 24.54	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 10.45	1 casing volume (CV=LWC*C)(gals): 1.75	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.75	3.5	5.25				
Time (military)	1127	1132						
PH (s.u.)	5.11	5.00						
Specific Conductivity (µS/cm)	199.6	186.6						
Water Temperature (°C)	17.4	17.6						
Turbidity (NTU)	12.74	59.06						
Dissolved Oxygen (mg/L)	3.99	3.18						

Sampling Data

Sampled By: Matthew Greene	Sampling Time: 1135	Duplicate: (Y) or N	If yes, Duplicate Time: DUP-B 1136

Notes: Dry @ 2.75 HOT

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al # 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-15	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-25	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By:	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Unable to locate

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-16	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-25	Total Well Depth (TWD) (ft.): 25.25	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 12.51	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 12.74	1 casing volume (CV=LWC*C)(gals): 2	3 casing volumes 3*CV)(gals): 6	5 casing volumes (5*CV)(gals): 10

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2	4	6				
Time (military)	1159	1204						
PH (s.u.)	5.41	5.36						
Specific Conductivity (µS/cm)	90.9	203.0						
Water Temperature (°C)	17.8	18.7						
Turbidity (NTU)	7.52	17.28						
Dissolved Oxygen (mg/L)	8.11	7.82						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1206	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 2.75

Signature: Matthew Crane

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SD
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (ºF): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-17	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-25	Total Well Depth (TWD) (ft.): 25.46	
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 10.21	Free Product Thickness (ft.): N/A	
Length of water column (LWC=TWD-DGW)(ft.): 15.25	1 casing volume (CV=LWC*C)(gals): 2.50	3 casing volumes 3*CV)(gals): 7.50	5 casing volumes (5*CV)(gals): 12.50

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.50	5.00	7.50				
Time (military)	1122	1127						
PH (s.u.)	5.04	4.89						
Specific Conductivity (µS/cm)	68.7	93.4						
Water Temperature (ºC)	17.1	17.7						
Turbidity (NTU)	139.78	5.45						
Dissolved Oxygen (mg/L)	9.03	8.64						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1130	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 3.25

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	S te Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	Gen al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-18	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
✔ MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 14-24	Total Well Depth (TWD) (ft.): 24.38	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 18.40	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 5.98	1 casing volume (CV=LWC*C)(gals): 1	3 casing volumes 3*CV)(gals): 3	5 casing volumes (5*CV)(gals): 5

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1	2	3				
Time (military)	1045	1048						
PH (s.u.)	5.15	4.56						
Specific Conductivity (µS/cm)	3.4	38.1						
Water Temperature (°C)	15.2	17.2						
Turbidity (NTU)	12.31	146.44						
Dissolved Oxygen (mg/L)	10.6	8.14						

Sampling Data

Sampled By: Scott Ball	Sampling Time: 1049	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 1.50

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	Gen al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-19	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW		Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.): 29.66
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 12.35		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 17.31	1 casing volume (CV=LWC*C)(gals): 2.75	3 casing volumes 3*CV)(gals): 8.25	5 casing volumes (5*CV)(gals): 13.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.75	5.5	8.25				
Time (military)	1422	1431	1438					
PH (s.u.)	4.63	4.56	4.67					
Specific Conductivity (µS/cm)	300.6	310.5	300.1					
Water Temperature (°C)	16.2	16.9	17.3					
Turbidity (NTU)	143.21	200.8	167.34					
Dissolved Oxygen (mg/L)	7.52	5.46	5.59					

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1440	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 7.00 gal

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other_____ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By:	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Covered by new asphalt - not found

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 07261	te Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.): 29.93	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 23.54	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 6.39	1 casing volume (CV=LWC*C)(gals): 1	3 casing volumes 3*CV)(gals): 3	5 casing volumes (5*CV)(gals): 5

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1	2	3				
Time (military)	1009	1011						
PH (s.u.)	5.55	5.61						
Specific Conductivity (µS/cm)	130.3	305.5						
Water Temperature (°C)	20.1	20.8						
Turbidity (NTU)	12.15	373.42						
Dissolved Oxygen (mg/L)	2.20	1.71						

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1012	Duplicate: (Y) or N	If yes, Duplicate Time: DUP-C 1013

Notes: Dry @ 1.5 HOT

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	S te Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Ser al # 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.): 29.06	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 22.01	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 7.05	1 casing volume (CV=LWC*C)(gals): 1.25	3 casing volumes 3*CV)(gals): 3.75	5 casing volumes (5*CV)(gals): 6.25

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.25	2.50	3.75				
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1628	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: ~~Dry at 3~~ Sheen, could not run YSI
Dry @ 3 gallons

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	S te Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-23	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.): 28.18	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 23.17	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 5.01	1 casing volume (CV=LWC*C)(gals): 0.75	3 casing volumes 3*CV)(gals): 1.5	5 casing volumes (5*CV)(gals): 3.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	0.75	1.5	2.25				
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By:	Sampling Time:	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Unable to Sample - well is damaged / needs repair.

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-24	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 12-37	Total Well Depth (TWD) (ft.): 36.48	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 26.11	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 13.87	1 casing volume (CV=LWC*C)(gals): 1.75	3 casing volumes 3*CV)(gals): 5.25	5 casing volumes (5*CV)(gals): 8.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.75	3.5	5.25				
Time (military)	1526	1532	1537	1542				
PH (s.u.)	5.47	5.41	5.39	5.40				
Specific Conductivity (µS/cm)	123.9	123.2	116.4	112.7				
Water Temperature (°C)	19.0	19.5	19.4	19.5				
Turbidity (NTU)	24.54	349.13	413.35	396.14				
Dissolved Oxygen (mg/L)	5.91	3.57	3.63	3.59				

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1543	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: _____

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02761	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-25	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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): 12-37 to	Total Well Depth (TWD) (ft.): 27.48	
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 22.19	Free Product Thickness (ft.): N/A	
Length of water column (LWC=TWD-DGW)(ft.): 5.29	1 casing volume (CV=LWC*C)(gals): 1	3 casing volumes 3*CV)(gals): 3	5 casing volumes (5*CV)(gals): 5

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1	2	3				
Time (military)	1100	1104	1109	1114				
PH (s.u.)	4.81	4.75	4.73	4.73				
Specific Conductivity (µS/cm)	54.0	52.0	54.5	53.9				
Water Temperature (°C)	17.6	18.0	17.9	18.00				
Turbidity (NTU)	35.86	147.73	237.92	235.21				
Dissolved Oxygen (mg/L)	7.34	6.82	6.56	6.67				

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1118	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al # 19A101835	alibration			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-26	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 12-37		Total Well Depth (TWD) (ft.): 36.73
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 23.85		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 12.88	1 casing volume (CV=LWC*C)(gals): 2	3 casing volumes 3*CV)(gals): 6	5 casing volumes (5*CV)(gals): 10

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2	4	6				
Time (military)	1550	1556	1601					
PH (s.u.)	4.78	4.76	4.75					
Specific Conductivity (µS/cm)	34.6	35.9	35.8					
Water Temperature (°C)	18.0	18.7	18.8					
Turbidity (NTU)	16.69	371.61	718.73					
Dissolved Oxygen (mg/L)	6.01	5.85	4.58					

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1603	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 5.00 gal

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 07261	S te Name: Carolina Country Convenience	Field Personnel: ME, MG, KP, SB
County: Chesterfield	Project Manager: Jake Niles	al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-27	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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): to 12-37	Total Well Depth (TWD) (ft.): 37.71	
Depth to Free Product (DFP) (ft.): NP	Depth to Groundwater (DGW) (ft.): 31.10	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 6.61	1 casing volume (CV=LWC*C)(gals): 1	3 casing volumes 3*CV)(gals): 3	5 casing volumes (5*CV)(gals): 5

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1	2	3				
Time (military)	~~1508~~ 1508	1513	1517					
PH (s.u.)	5.23	4.91	4.77					
Specific Conductivity (µS/cm)	52.4	46.4	45.1					
Water Temperature (°C)	18.7	18.7	18.4					
Turbidity (NTU)	51.34	560.17	742.22					
Dissolved Oxygen (mg/L)	8.21	7.87	8.12					

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1519	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 2.75 gal

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-28	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30		Total Well Depth (TWD) (ft.): 29.98
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 25.21		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 4.77	1 casing volume (CV=LWC*C)(gals): 0.75	3 casing volumes 3*CV)(gals): 2.25	5 casing volumes (5*CV)(gals): 3.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	0.75	1.5	2.25				
Time (military)	1144	1146						
PH (s.u.)	5.29	5.24						
Specific Conductivity (µS/cm)	139.4	136.9						
Water Temperature (°C)	18.5	18.2						
Turbidity (NTU)	5.52	110.07						
Dissolved Oxygen (mg/L)	2.51	2.13						

Sampling Data

Sampled By: Matthew Greene	Sampling Time: 1147	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 1 Volume HOT

Signature:

DHEC 0423 (10/2015)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02761	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-28I	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 51-56		Total Well Depth (TWD) (ft.): 56.36
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 24.27		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 32.09	1 casing volume (CV=LWC*C)(gals): 5.25	3 casing volumes 3*CV)(gals): 15.75	5 casing volumes (5*CV)(gals): 26.25

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)	1150	1156						
PH (s.u.)	5.86	5.88						
Specific Conductivity (µS/cm)	144.9	170.9						
Water Temperature (°C)	17.3	17.8						
Turbidity (NTU)	27	20.17						
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By: Matthew Green	Sampling Time: 1158	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 8 gallons HOT

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 07261	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-29	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.): 29.87	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 22.48	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 7.39	1 casing volume (CV=LWC*C)(gals): 1.25	3 casing volumes 3*CV)(gals): 3.75	5 casing volumes (5*CV)(gals): 6.25

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.25	2.50	3.75				
Time (military)	0912	0916	0918					
PH (s.u.)	5.55	5.71	5.79					
Specific Conductivity (µS/cm)	238.7	321.1	375.8					
Water Temperature (°C)	19.3	20.0	20.1					
Turbidity (NTU)	7.76	12.94	75.50					
Dissolved Oxygen (mg/L)	1.63	1.97	1.28					

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 0920	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 3 gallons HOT

Signature: [signature]

dhec

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-29I	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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW		Screened Interval (ft.): to 51-56	Total Well Depth (TWD) (ft.): 56.20
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 23.39		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 32.81	1 casing volume (CV=LWC*C)(gals): 5.25	3 casing volumes 3*CV)(gals): 15.75	5 casing volumes (5*CV)(gals): 26.25

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)	0925	0931						
PH (s.u.)	5.88	5.95						
Specific Conductivity (µS/cm)	362.5	367.6						
Water Temperature (°C)	18.9	19.1						
Turbidity (NTU)	9.61	16.64						
Dissolved Oxygen (mg/L)	1.25	0.97						

Sampling Data

Sampled By: Matthew Greene	Sampling Time: 0933	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Dry a 1st Volume HOT

Signature: [signature]

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-30	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.): 30.02	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 22.85	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 7.17	1 casing volume (CV=LWC*C)(gals): 1	3 casing volumes 3*CV)(gals): 3	5 casing volumes (5*CV)(gals): 5

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1	2	3				
Time (military)	~~1446~~ 1446	~~1445~~ 1449	~~1449~~ 1455					
PH (s.u.)	5.22	5.33	5.40					
Specific Conductivity (µS/cm)	181.0	214.9	228.5					
Water Temperature (°C)	18.5	19.0	19.1					
Turbidity (NTU)	20.94	80.13	150.49					
Dissolved Oxygen (mg/L)	3.70	3.05	2.84					

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1457	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 2.75 gal HOT

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02761	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-30I	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 51-56	Total Well Depth (TWD) (ft.): 56.36	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 23.51	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 32.85	1 casing volume (CV=LWC*C)(gals): 5.25	3 casing volumes 3*CV)(gals): 15.75	5 casing volumes (5*CV)(gals): 26.25

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)	1034	1041						
PH (s.u.)	5.63	5.56						
Specific Conductivity (µS/cm)	457.2	478.6						
Water Temperature (°C)	17.8	18.5						
Turbidity (NTU)	21.32	20.10						
Dissolved Oxygen (mg/L)	2.46	1.27						

Sampling Data

Sampled By: Matthew Greene	Sampling Time: 1044	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 8.75 gallons - limited volume. HOT

Signature:

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 07261	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al # 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-31	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 15-30	Total Well Depth (TWD) (ft.): 29.63	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 24.11	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 5.52	1 casing volume (CV=LWC*C)(gals): 1	3 casing volumes 3*CV)(gals): 3	5 casing volumes (5*CV)(gals): 5

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1	2	3				
Time (military)	1327	1331						
PH (s.u.)	5.02	4.97						
Specific Conductivity (µS/cm)	106.9	96.1						
Water Temperature (°C)	19.1	20.1						
Turbidity (NTU)	7.16	119.63						
Dissolved Oxygen (mg/L)	3.52	2.86						

Sampling Data

Sampled By: Matt Greene	Sampling Time: 1333	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 1.75 gal HOT

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 07261	S te Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-31I	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 51-56	Total Well Depth (TWD) (ft.): 56.31	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 23.62	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 32.69	1 casing volume (CV=LWC*C)(gals): 5.25	3 casing volumes 3*CV)(gals): 15.75	5 casing volumes (5*CV)(gals): 26.25

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)	0956	1000						
PH (s.u.)	5.14	5.33						
Specific Conductivity (µS/cm)	160.7	174.9						
Water Temperature (°C)	17.8	19.5						
Turbidity (NTU)	8.48	112.32						
Dissolved Oxygen (mg/L)	2.03	1.26						

Sampling Data

Sampled By: Matthew Greene	Sampling Time: 1004	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 6.5 HOT

Signature: Matthew Greene

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: Matt G, Kyle P
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name: YSI Pro DSS	Serial #: 19A101835	Calibration			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-32	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
✔ MW ___ IW ___ RW ___ Other ___ ___ Private WSW ___ Public WSW	Screened Interval (ft.): to 20-35	Total Well Depth (TWD) (ft.): 35.24	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 10.28	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 24.96	1 casing volume (CV=LWC*C)(gals): 4	3 casing volumes 3*CV)(gals): 12	5 casing volumes (5*CV)(gals): 20

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	4	8	12				
Time (military)	0803	0806	0808					
PH (s.u.)	5.37	5.89	5.23					
Specific Conductivity (µS/cm)	133.4	110.9	125.2					
Water Temperature (°C)	17.6	18.7	19.1					
Turbidity (NTU)	28.58	43.66	42.89					
Dissolved Oxygen (mg/L)	4.73	2.48	2.93					

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 0810	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 9 gallons

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-33	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW		Screened Interval (ft.): to 20-40	Total Well Depth (TWD) (ft.): 43.64
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 34.83		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 8.81	1 casing volume (CV=LWC*C)(gals): 1.5	3 casing volumes 3*CV)(gals): 4.5	5 casing volumes (5*CV)(gals): ~~7.5~~ 7.5

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.5	3	4.5				
Time (military)	0854	0857						
PH (s.u.)	5.24	5.23						
Specific Conductivity (µS/cm)	167.4	164.1						
Water Temperature (°C)	15.9	15.7						
Turbidity (NTU)	12.93	11.57						
Dissolved Oxygen (mg/L)	1.97	1.47						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 0859	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 2 gallons HOT

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-34	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 30-50	Total Well Depth (TWD) (ft.): 53.48	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 37.31	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 16.17	1 casing volume (CV=LWC*C)(gals): 2.50	3 casing volumes 3*CV)(gals): 7.50	5 casing volumes (5*CV)(gals): 12.50

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	2.50	5	7.50				
Time (military)	1509	1514	1520					
PH (s.u.)	5.32	5.40	5.36					
Specific Conductivity (µS/cm)	150.9	158.9	157.5					
Water Temperature (°C)	17.9	19.3	19.9					
Turbidity (NTU)	13.99	120.60	140.98					
Dissolved Oxygen (mg/L)	4.15	2.18	2.19					

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1520	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 5 gal HOT

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: MW-35	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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 30-50 to		Total Well Depth (TWD) (ft.): 50.48
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 40.61		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals): 1.75	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	1.75						
Time (military)	1437	1446						
PH (s.u.)	4.92	4.78						
Specific Conductivity (µS/cm)	59.5	56.1						
Water Temperature (°C)	18.0	17.0						
Turbidity (NTU)	11.02	516.77						
Dissolved Oxygen (mg/L)	5.64	5.42						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1449	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 2.00 gal

Signature: Matthew Em

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 07261	Site Name: Carolina Country Convenience	Field Personnel: ME, SB, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Se al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔ MW __ IW __ RW __ Other_____ __ Private WSW __ Public WSW	Screened Interval (ft.): to 51-56	Total Well Depth (TWD) (ft.): 59.36	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 16.75	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 42.61	1 casing volume (CV=LWC*C)(gals): 7	3 casing volumes 3*CV)(gals): 21	5 casing volumes (5*CV)(gals): 35

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	7	14	21				
Time (military)	1133	1145						
PH (s.u.)	5.55	5.48						
Specific Conductivity (µS/cm)	57.0	60.7						
Water Temperature (°C)	16.5	17.2						
Turbidity (NTU)	5.74	23.54						
Dissolved Oxygen (mg/L)	7.72	6.91						

Sampling Data

Sampled By: Scott Ball	Sampling Time: 1145	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 7.00 gal

Signature: Matthew Carr

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02761	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	S al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔ MW ___IW ___RW ___Other ___ Private WSW ___Public WSW	Screened Interval (ft.): to 51-56		Total Well Depth (TWD) (ft.): 58.61
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 16.71		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 41.9	1 casing volume (CV=LWC*C)(gals): 6.75	3 casing volumes 3*CV)(gals): 20.25	5 casing volumes (5*CV)(gals): 33.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6.75	13.50	20.25				
Time (military)	1051	1056	1101	1108				
PH (s.u.)	5.32	5.19	5.15	5.13				
Specific Conductivity (µS/cm)	54.4	51.6	50.3	50.8				
Water Temperature (°C)	15.8	16.6	17.0	17.0				
Turbidity (NTU)	9.87	30.27	236.1	238.2				
Dissolved Oxygen (mg/L)	7.89	7.06	6.86	6.89				

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1108	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: ___

Signature: Matthew Ewen

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02761	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name: YSI Pro DSS	S al #: 19A101835	alibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔ MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 51-56	Total Well Depth (TWD) (ft.): 56.29	
Depth to Free Product (DFP) (ft.): N/A	Depth to Groundwater (DGW) (ft.): 20.87	Free Product Thickness (ft.): N/A	
Length of water column (LWC=TWD-DGW)(ft.): 35.42	1 casing volume (CV=LWC*C)(gals): 5.75	3 casing volumes 3*CV)(gals): 11.50	5 casing volumes (5*CV)(gals): 28.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.75	11.50	17.25				
Time (military)	1020	~~1031~~ 1030						
PH (s.u.)	6.22	6.38						
Specific Conductivity (µS/cm)	266.0	284.6						
Water Temperature (°C)	15.4	16.3						
Turbidity (NTU)	34.70	92.65						
Dissolved Oxygen (mg/L)	4.15	3.40						

Sampling Data

Sampled By: Scott Ball	Sampling Time: ~~1031~~ 1030	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry @ 6 gal

Signature: Matthew Evans

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	S te Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): 56-61 to		Total Well Depth (TWD) (ft.): 60.64
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 24.17		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 36.47	1 casing volume (CV=LWC*C)(gals): 6	3 casing volumes 3*CV)(gals): 18	5 casing volumes (5*CV)(gals): 30

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6	12	18				
Time (military)	1101	1108	1112	1119				
PH (s.u.)	5.52	5.65	5.62	5.63				
Specific Conductivity (µS/cm)	256.2	379.2	367.2	369.3				
Water Temperature (°C)	17.5	17.7	17.8	17.8				
Turbidity (NTU)	22.06	35.34	12.37	19.41				
Dissolved Oxygen (mg/L)	2.12	1.79	1.98	1.42				

Sampling Data

Sampled By: Matthew Greene	Sampling Time: 1121	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: HOT

Signature: Matthew Greene

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	S te Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: 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: ___Bailer ___Pump
✔MW ___IW ___RW ___Other_____ ___Private WSW ___Public WSW	Screened Interval (ft.): to 56-61	Total Well Depth (TWD) (ft.): 57.78	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 22.11	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 35.67	1 casing volume (CV=LWC*C)(gals): 5.75	3 casing volumes 3*CV)(gals): 17.25	5 casing volumes (5*CV)(gals): 28.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.75	11.5	17.25				
Time (military)	1609	1622						
PH (s.u.)	6.21	6.18						
Specific Conductivity (µS/cm)	192.6	223.9						
Water Temperature (°C)	19.0	19.3						
Turbidity (NTU)	16.07	1539.11						
Dissolved Oxygen (mg/L)	6.65	4.50						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1625	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 6.5 gal

Signature: Kyle Perry

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name: YSI Pro DSS	S al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ 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: ___Bailer ✓Pump
✔MW ___IW ___RW ___Other_____ ___Private WSW ___Public WSW	Screened Interval (ft.): 63-68 to	Total Well Depth (TWD) (ft.): 66.84	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 31.29	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 35.55	1 casing volume (CV=LWC*C)(gals): 5.75	3 casing volumes 3*CV)(gals): 17.25	5 casing volumes (5*CV)(gals): 28.75

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.75	11.5	17.25				
Time (military)	1530	1539	1548	1559				
PH (s.u.)	5.50	5.24	5.06	5.01				
Specific Conductivity (µS/cm)	55.9	47.9	43.8	45.1				
Water Temperature (°C)	18.3	18.7	18.6	18.6				
Turbidity (NTU)	13.44	64.81	355.86	359.99				
Dissolved Oxygen (mg/L)	5.47	3.89	5.17	5.26				

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1600	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: _____

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02761	S te Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	Gene al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	al #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: TW-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: ____Bailer ____Pump
✔MW ___IW ___RW ___Other_____ ___Private WSW ___Public WSW	Screened Interval (ft.): to 51-56	Total Well Depth (TWD) (ft.):	
Depth to Free Product (DFP) (ft.):	Depth to Groundwater (DGW) (ft.):	Free Product Thickness (ft.):	
Length of water column (LWC=TWD-DGW)(ft.):	1 casing volume (CV=LWC*C)(gals):	3 casing volumes 3*CV)(gals):	5 casing volumes (5*CV)(gals):

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25							
Time (military)								
PH (s.u.)								
Specific Conductivity (µS/cm)								
Water Temperature (°C)								
Turbidity (NTU)								
Dissolved Oxygen (mg/L)								

Sampling Data

Sampled By:	Sampling Time:	Duplicate: Y or N	If yes, Duplicate Time:

Notes: Covered by new asphalt – not found

Signature: [signature]

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/22/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: MG, KP
County: Chesterfield	Project Manager: Jake Niles	Gen al Weather Conditions: Partly Cloudy	mbient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: TW-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: ___Bailer ___Pump
✔MW ___IW ___RW ___Other_____ ___Private WSW ___Public WSW		Screened Interval (ft.): to 63-68	Total Well Depth (TWD) (ft.): 70.36
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 34.14		Free Product Thickness (ft.): NA
Length of water column (LWC=TWD-DGW)(ft.): 36.22	1 casing volume (CV=LWC*C)(gals): 6	3 casing volumes 3*CV)(gals): 18	5 casing volumes (5*CV)(gals): 30

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	6	12	18				
Time (military)	0836	0839	0844	0847				
PH (s.u.)	5.84	5.85	5.89	5.91				
Specific Conductivity (µS/cm)	308.6	325.3	332.3	335.7				
Water Temperature (°C)	12.8	16.1	16.2	15.7				
Turbidity (NTU)	22.38	263.49	75.43	115.95				
Dissolved Oxygen (mg/L)	4.13	1.72	1.88	1.44				

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 0849	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: HOT

Signature: _____

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 02261	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial # 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: TW-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: ___Bailer ✔Pump
✔MW ___IW ___RW ___Other___ ___Private WSW ___Public WSW	Screened Interval (ft.): to 63-68	Total Well Depth (TWD) (ft.): 71.34	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 36.76	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 34.58	1 casing volume (CV=LWC*C)(gals): 5.50	3 casing volumes 3*CV)(gals): 16.50	5 casing volumes (5*CV)(gals): 27.50

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	5.50	11	16.50				
Time (military)	1453	1501						
PH (s.u.)	5.64	5.50						
Specific Conductivity (µS/cm)	88.4	88.6						
Water Temperature (°C)	17.6	17.2						
Turbidity (NTU)	15.75	14.28						
Dissolved Oxygen (mg/L)	4.89	4.07						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1507	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 8.00 gal

Signature: Matthew Cain

Underground Storage Tank Management Division
Field Data Information Sheet – Sampling

Site Information

Date: 02/21/24	Site ID #: 07261	Site Name: Carolina Country Convenience	Field Personnel: SB, ME, MG, KP
County: Chesterfield	Project Manager: Jake Niles	General Weather Conditions: Partly Cloudy	Ambient Air Temp (°F): 30-58

Quality Assurance

Meter Name YSI Pro DSS	Serial #: 19A101835	Calibration:			
pH, Specific Conductivity, Temperature		pH 4.0: ✔ or N	pH 7.0: ✔ or N	pH 10.0: ✔ or N	S.C.: ✔ or N
Dissolved Oxygen		✔ or N			
Turbidity		20.0 NTU: ✔ or N	100.0 NTU: ✔ or N	800.0 NTU: ✔ or N	

Well Information

Well ID: TW-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: ___Bailer ✓___Pump
✔MW ___IW ___RW ___Other_____ ___Private WSW ___Public WSW	Screened Interval (ft.): to 63-68	Total Well Depth (TWD) (ft.): 66.98	
Depth to Free Product (DFP) (ft.): NA	Depth to Groundwater (DGW) (ft.): 40.67	Free Product Thickness (ft.): NA	
Length of water column (LWC=TWD-DGW)(ft.): 26.31	1 casing volume (CV=LWC*C)(gals): 4.25	3 casing volumes 3*CV)(gals): 12.75	5 casing volumes (5*CV)(gals): 21.25

Purging Data

	Initial	1st Vol.	2nd Vol.	3rd Vol.	4th Vol.	5th Vol.	Post	Sampling
Volume Purged (gallons)	0.25	4.25	8.50	12.75				
Time (military)	1418	1428						
PH (s.u.)	5.80	5.37						
Specific Conductivity (µS/cm)	86.6	55.7						
Water Temperature (°C)	16.5	16.9						
Turbidity (NTU)	28.60	173.41						
Dissolved Oxygen (mg/L)	3.39	2.97						

Sampling Data

Sampled By: Kyle Perry	Sampling Time: 1435	Duplicate: Y or (N)	If yes, Duplicate Time:

Notes: Dry at 7.75 gal

Signature: [signature]

APPENDIX C

Purge Water 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 Highway 601 North, Pageland, NC

4. Generator's Phone (704) 358-2968

5. Transporter 1 Company Name
Geological Resources, Inc

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
Zero Waste, LLC
301 Dupree Street, Charlotte, NC 28208

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone (980) 495-4630

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Petroleum Contact Water	2	Drum	78.50	gallons
b.				
c.				
d.				

G. Additonal Descriptions for Materials Listed Above
GRI Job #3289
SCDHEC UST Permit #02261

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: Kyle Perry for Carolina Country Convenience
Signature: Kyle Perry
Date: Month 02 Day 22 Year 24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Kyle Perry
Signature: Kyle Perry
Date: Month 02 Day 22 Year 24

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 maifest, except as noted in item 19.

Printed/Typed Name:
Signature:
Date: Month Day Year

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		

Item #	Item	Yes	No	N/A
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
28	Are the site-conceptual model tables included?			X
29	Have the exposure pathways been analyzed?			X
30	Have the SSTLs for each compound and pathway been calculated?			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?			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 1)	X		
34	Has the current and historical laboratory data been provided in tabular format? (Tables 2 and 3)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included?			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 3)	X		
39	Have the CoC site maps been provided? (Figures 7, 8, and 9)	X		
40	Has the site potentiometric map been provided? (Figures 4, 5, and 6)	X		
41	Have the geologic cross-sections been provided?			X
42	Have maps showing the predicted migration of the CoCs through time been provided?			X
43	Has the site survey been provided and include all necessary elements?			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix A)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements?			X
47	Have the soil boring/field screening logs been provided?			X
48	Have the well completion logs and SCDHEC Form 1903 been provided?			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided?			X
50	Have the disposal manifests been provided? (Appendix C)	X		
51	Has a copy of the local zoning regulations been provided?			X
52	Has all fate and transport modeling been provided?			X
53	Have copies of all access agreements obtained by the contractor been provided?			X

Item #	Item	Yes	No	N/A
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:

Fw: Carolina Country Convenience - UST -2261

Jacob D. Niles <Jacob.Niles@des.sc.gov>
Wed 7/10/2024 11:47 AM
To:Debra L. Thoma <Debra.Thoma@des.sc.gov>

Would like to meet to rediscuss this

Jacob (Jake) Niles
Hydrologist II
Corrective Action & Quality Assurance Section
UST Management Division
Bureau of Land & Waste Management
O: (803) 898-2446
Jacob.Niles@des.sc.gov
DES.SC.gov

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES



From: Ashleigh Thrash <ashleigh@grienv.com>
Sent: Wednesday, July 10, 2024 11:25 AM
To: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Subject: RE: Carolina Country Convenience - UST -2261

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

This Message Is From an External Sender
This message came from outside your organization.

Hey Jacob! I have reviewed the SSTLs and I was wondering if this site would be a candidate for a targeted ACA approach. It looks like it meets the requirements.

Thanks for your help!

Ashleigh Thrash, P.G.
Project Manager
Geological Resources, Inc.
3502 Hayes Road | Monroe, NC 28110 | website | facebook |
(704) 845-4010 - Office | (704) 698-1227 - Direct | (704) 845-4012 - FAX

From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Wednesday, July 10, 2024 9:37 AM
To: Ashleigh Thrash <ashleigh@grienv.com>
Subject: Re: Carolina Country Convenience - UST -2261

Ashleigh,

Great timing I just finished these up this morning please see the attachment and let me know if you have any questions.

Jacob (Jake) Niles
Hydrologist II
Corrective Action & Quality Assurance Section
UST Management Division
Bureau of Land & Waste Management
O: (803) 898-2446
Jacob.Niles@des.sc.gov
DES.SC.gov

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

From: Ashleigh Thrash <ashleigh@grienv.com>
Sent: Tuesday, July 9, 2024 9:47 AM
To: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Subject: Carolina Country Convenience - UST -2261

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

Good Morning, Jake! I hope you have been doing well!

I wanted to check in about this site. In the report we submitted in March, we recommended that SSTLs be developed. Has there been any progress toward developing SSTLs? We need to understand the cleanup goals so that we can make sure to provide recommendations that efficiently work towards site cleanup and closure.

Let me know if you feel there are data gaps preventing you from developing SSTLs.

Thank you!

Ashleigh Thrash, P.G.
Project Manager
Geological Resources, Inc.
3502 Hayes Road | Monroe, NC 28110 | website | facebook |
(704) 845-4010 - Office | (704) 698-1227 - Direct | (704) 845-4012 - FAX

Carolina Coutry Convenience, 1908 Hwy 601 N, ust#02261
Cheserfield County

SSTL's for WSW-3 receptor
+ 106' - JDN
Sent to GRI on 2/25/25

Groundwater SSTLs

	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	1,2 DCA	EDB	TAA	TAME	TBA
MW-1	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	30162725	1717504	**4290000**
MW-2	**44390**	**26540**	**3700**	**21540**	**173000**	3438	**3700**	**1900**	493060	63570	961300
MW-11	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	17678375	1120335	**4290000**
MW-12	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	3204674	285480	**4290000**
MW-13	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	4093466	347341	**4290000**
MW-14	**44390**	**26540**	**3700**	**21540**	**173000**	3773	**3700**	**1900**	572060	71634	1090477
MW-15	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	34887867	1929415	**4290000**
MW-19	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	**35900000**	13287534	**4290000**
MW-20	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	20453510	1258918	**4290000**
MW-21	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	3711795	321144	**4290000**
MW-22	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	4977882	406264	**4290000**
MW-23	**44390**	**26540**	**3700**	**21540**	**173000**	4543	**3700**	**1900**	769690	90916	1402565
MW-28	**44390**	**26540**	**3700**	**21540**	**173000**	3547	**3700**	**1900**	518110	66153	1002581
MW-29	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	4977882	406264	**4290000**
MW-30	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	2508084	234564	3816603
MW-31	**44390**	**26540**	**3700**	**21540**	**173000**	5637	**3700**	**1900**	1087270	119974	1879814
MW-33	**44390**	**26540**	**3700**	**21540**	**173000**	1260	**3700**	**1900**	99833	17573	247512
MW-34	**44390**	**26540**	**3700**	**21540**	**173000**	1841	**3700**	**1900**	182226	28541	412852
RW-1	**44390**	**26540**	**3700**	**21540**	**173000**	**6700**	**3700**	**1900**	30162725	1717504	**4290000**
MW-28I	60	**26540**	**3700**	-	2070	178	76	4.08	-	-	-
MW-29I	115	**26540**	**3700**	-	6094	289	156	13.8	-	-	-
MW-30I	83	**26540**	**3700**	-	3523	227	109	7.42	-	-	-
MW-31I	70	**26540**	**3700**	-	2672	200	90	5.43	-	-	-
TW-4	57	**26540**	**3700**	-	1885	171	72	3.67	-	-	-
TW-8	34	**26540**	**3700**	-	804	115	41	1.41	-	-	-
TW-9	38	**26540**	**3700**	-	951	125	45	1.7	-	-	-

Bold: Calculated SSTL is greater than solubility limits --> SSTL is set to solubility limit

Underline: Current concentration is less than the RBSL --> SSTL is set to the RBSL

UST BRANCH MARKETING

Italic : Laboratory analysis is less than calculated SSTL --> SSTL is set to laboratory analysis **(Used for Receptors Only)**

Outlook



RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

From Scott Ball <wsb@geologicalresourcesinc.com>
Date Tue 2/25/2025 1:31 PM
To Jacob D. Niles <Jacob.Niles@des.sc.gov>
Cc Lisa Hilbish <llh@geologicalresourcesinc.com>; egr <egr@geologicalresourcesinc.com>; ashleigh <ashleigh@grienv.com>; Daniel Good <d.good@grienv.com>

Thanks Jake

Scott Ball
Project Manager
Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110
Main (704) 845-4010 **Fax** (704) 845-4012
wsb@geologicalresourcesinc.com
www.geologicalresourcesinc.com
NCPCM Vendor of the Year Recipient

From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Tuesday, February 25, 2025 12:14 PM
To: Scott Ball <wsb@geologicalresourcesinc.com>
Cc: Lisa Hilbish <llh@geologicalresourcesinc.com>; Ethan Rogerson <egr@geologicalresourcesinc.com>; Ashleigh Thrash <ashleigh@grienv.com>; Daniel Good <d.good@grienv.com>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Here are the updated SSTLs. 106' was the added distance to WSW-3.
Let me know if you have any questions. In my opinion this is still going to be very difficult and will still need a Full-Scale ACA but I'm interested in your opinions.

Best,
Jake

Jake Niles
Hydrologist II

Corrective Action & Quality Assurance Section

UST Management Division

Bureau of Land & Waste Management
O: 803.898.2446
Jacob.niles@des.sc.gov
DES.SC.gov

From: Scott Ball <wsb@geologicalresourcesinc.com>
Sent: Wednesday, February 19, 2025 8:57 AM
To: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Cc: Lisa Hilbish <llh@geologicalresourcesinc.com>; egr <egr@geologicalresourcesinc.com>; ashleigh <ashleigh@grienv.com>; Daniel Good <d.good@grienv.com>
Subject: RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Good Morning Jake

Yes, a Teams meeting at 1000 on 1/25/2025 can be scheduled.

Please send a Teams invite to me, Ethan Rogerson, Ashleigh Thrash and Daniel Good.

Thanks

Scott Ball
Project Manager
Geological Resources, Inc.
3502 Hayes Road
Monroe, NC 28110
Main (704) 845-4010 **Fax** (704) 845-4012
wsb@geologicalresourcesinc.com
www.geologicalresourcesinc.com
NCPCM Vendor of the Year Recipient

From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Tuesday, February 18, 2025 9:24 AM
To: Scott Ball <wsb@geologicalresourcesinc.com>
Cc: Lisa Hilbish <llh@geologicalresourcesinc.com>
Subject: Fw: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

--Last email I have I sent the SSTLs--

Scott,

Based off of these SSTL's, the determination that Targeted will not suffice for this site, and the amount of FP on site please submit your complete ideas for a path to closure, Plume definition, and thoughts on what remediation technology might work.

I will submit at GWS SSWP for fresh data so we can determine if more wells are needed for Plume definition.

Ultimately, full scale cleanup is needed, and I must stay conservative with monies as the project manager.

Can you meet Tuesday, 2/25/25 at 10 AM Est?

Best,

Jake Niles
Hydrologist II

Corrective Action & Quality Assurance Section

UST Management Division

Bureau of Land & Waste Management
O: 803.898.2446
Jacob.niles@des.sc.gov
DES.SC.gov

From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Tuesday, July 16, 2024 1:26 PM
To: wsb@geologicalresourcesinc.com <wsb@geologicalresourcesinc.com>
Cc: Sam McKay <SMcKay@geologicalresourcesinc.com>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

02275 SSTLS

Jacob (Jake) Niles
Hydrologist II
Corrective Action & Quality Assurance Section

UST Management Division

Bureau of Land & Waste Management
O: (803) 898-2446
Jacob.Niles@des.sc.gov
DES.SC.gov

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Tuesday, July 16, 2024 1:25 PM
To: wsb@geologicalresourcesinc.com <wsb@geologicalresourcesinc.com>
Cc: Sam McKay <SMcKay@geologicalresourcesinc.com>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Here are the SSTL'S for 02275

Jacob (Jake) Niles
Hydrologist II
Corrective Action & Quality Assurance Section

UST Management Division

Bureau of Land & Waste Management
O: (803) 898-2446
Jacob.Niles@des.sc.gov
DES.SC.gov

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

From: Scott Ball <wsb@geologicalresourcesinc.com>
Sent: Tuesday, July 16, 2024 12:46 PM
To: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Cc: Sam McKay <SMcKay@geologicalresourcesinc.com>
Subject: RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

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Thanks Jake!

Scott Ball
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From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Monday, July 15, 2024 3:33 PM
To: Scott Ball <wsb@geologicalresourcesinc.com>
Cc: Sam McKay <SMcKay@geologicalresourcesinc.com>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

I am working on getting these out

Get Outlook for iOS

From: Scott Ball <wsb@geologicalresourcesinc.com>
Sent: Monday, July 15, 2024 7:06:05 AM
To: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Cc: Sam McKay <SMcKay@geologicalresourcesinc.com>
Subject: FW: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

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From: Scott Ball
Sent: Wednesday, July 10, 2024 11:27 AM
To: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Cc: Sam McKay <SMcKay@geologicalresourcesinc.com>
Subject: RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Jake

I do not have SSTLs for 02275 In & Out Mini Mart. If any have been established, please send those to me.

Also, Rogers the Patels #02232. We need to discuss that one. We thought it was good for MNA or even CNFA with updated SSTLs the last time we discussed, but we need the SSTLs for that one. Are they available?

Thanks

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From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Wednesday, July 10, 2024 11:07 AM
To: Scott Ball <wsb@geologicalresourcesinc.com>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Do you Have the SSTLs for 02275 it was turned down for targeted so it will need a full ACA

Jacob (Jake) Niles
Hydrologist II
Corrective Action & Quality Assurance Section

UST Management Division

Bureau of Land & Waste Management
O: (803) 898-2446
Jacob.Niles@des.sc.gov
DES.SC.gov

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From: Scott Ball <wsb@geologicalresourcesinc.com>
Sent: Wednesday, July 10, 2024 9:12 AM
To: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Subject: RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

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Hi Jake

This one has gotten by me. I'm reviewing the file now and our last correspondence to confirm what we should do. I'll get a response to you by later today. Based on a cursory review, I still think we need to consider recovery wells.

Also, #02275 In & Out Mini Mart. We have a major FP issue at that site. And FP has not been fully defined. Has SCDES made any decisions on what the next step is for that incident?

I'll be in touch.

Thanks

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From: Jacob D. Niles <Jacob.Niles@des.sc.gov>
Sent: Tuesday, July 9, 2024 10:46 AM
To: Scott Ball <wsb@geologicalresourcesinc.com>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Scott,

looking for an update on this?

Jacob (Jake) Niles
Hydrologist II
Corrective Action & Quality Assurance Section

UST Management Division

Bureau of Land & Waste Management
O: (803) 898-2446
Jacob.Niles@des.sc.gov
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ENVIRONMENTAL SERVICES

From: Scott Ball <wsb@geologicalresourcesinc.com>
Sent: Tuesday, February 28, 2023 2:05 PM
To: Niles, Jacob D. <NilesJD@dhec.sc.gov>; Hudgins, P. Michael <Mike.Hudgins@terracon.com>
Cc: Thoma, Debra L. <thomadl@dhec.sc.gov>; johnbrown@geologicalresourcesinc.com <johnbrown@geologicalresourcesinc.com>
Subject: RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

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We can install some recovery wells in the area of the historically hot wells. Based on the site layout and results of the last comprehensive sampling event (2022).

We would be looking at installing approximately eight (8) 4" recovery wells in the areas of MW-12 (2 recovery wells), MW-28I (2 recovery wells), MW-30I (two recovery wells), and MW-31I (two recovery wells).

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From: Niles, Jacob D. <NilesJD@dhec.sc.gov>
Sent: Tuesday, February 28, 2023 1:55 PM
To: Scott Ball <wsb@geologicalresourcesinc.com>; Hudgins, P. Michael <Mike.Hudgins@terracon.com>
Cc: Thoma, Debra L. <thomadl@dhec.sc.gov>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Scott does this mean you will not need to install any wells for your AFVR?

Jake Niles
Hydrogeologist I
Underground Storage Tank Division
S.C. Dept. of Health & Environmental Control
Office: (803) 898-2446
Connect: www.scdhec.gov Facebook Twitter

From: Scott Ball <wsb@geologicalresourcesinc.com>
Sent: Tuesday, February 28, 2023 1:11 PM
To: Niles, Jacob D. <NilesJD@dhec.sc.gov>; Hudgins, P. Michael <Mike.Hudgins@terracon.com>
Cc: Thoma, Debra L. <thomadl@dhec.sc.gov>
Subject: RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

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Jake

It appears, based on historical ground water quality data, that we will need to conduct AFVR on monitoring wells MW-12, MW-28I MW-30I, and MW-31I. Possibly TW-4 if AFVR will work on such a deep well.

Scott Ball
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From: Niles, Jacob D. <NilesJD@dhec.sc.gov>
Sent: Tuesday, February 28, 2023 10:56 AM
To: Scott Ball <wsb@geologicalresourcesinc.com>; Hudgins, P. Michael <Mike.Hudgins@terracon.com>
Cc: Thoma, Debra L. <thomadl@dhec.sc.gov>
Subject: Re: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Could both of you let me know what wells need to be install or replaced respectively for each site so I Can Make an SSWP request for well repair install and sampling first then do separate SSWP request for the AFVR and GWS events.

Jake Niles
Hydrogeologist I
Underground Storage Tank Division
S.C. Dept. of Health & Environmental Control
Office: (803) 898-2446
Connect: www.scdhec.gov Facebook Twitter

From: Scott Ball <wsb@geologicalresourcesinc.com>
Sent: Tuesday, February 28, 2023 10:50 AM
To: Niles, Jacob D. <NilesJD@dhec.sc.gov>; Hudgins, P. Michael <Mike.Hudgins@terracon.com>
Cc: Thoma, Debra L. <thomadl@dhec.sc.gov>
Subject: RE: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

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Jake

All understood. I will need a formal SSWP request. It helps with our tracking system. You can e-mail that if you wish.

I will be in touch with Mike to schedule.

Thanks

Scott Ball
Project Manager
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From: Niles, Jacob D. <NilesJD@dhec.sc.gov>
Sent: Tuesday, February 28, 2023 10:48 AM
To: Scott Ball <wsb@geologicalresourcesinc.com>; Hudgins, P. Michael <Mike.Hudgins@terracon.com>
Cc: Thoma, Debra L. <thomadl@dhec.sc.gov>
Subject: Site #18871(eddies/ Terracon) & #02261(carolina/GRI)

Scott & Mike,

After talking to both of you on the phone it sounds like we have a general plan to do a 96Hr AFVR event upgradient with GWS and to do a 96 Hr advanced AFVR with possible surfactant/injection with GWS and ADVANCED SAFE TRAFFIC CONTROLL down gradient.

I hope this email chain will be sufficient at keeping communication between both contractors and DHEC open.

As a reminder the goal is to conduct both of the AFVR and GWS at the same time.

GRI subs out the AFVR work to TERRANOVA formally known as HERR please use this thread to coordinate a date and time to conduct both the events.

Let's also make sure all wells that either need to be installed and or repaired are taken care of prior to the AFVR events.

Please also submit both of your SSWP in here so both parties can see them and ask questions respectively.

Please let me know if you need anything else and if you require an SSWP request (this email will suffice as a request for DHEC).

looking forward to hopefully make some good headway on these sites with you both,

Jake Niles

Jake Niles
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