

APPENDIX E:
WELL COMPLETION LOGS & 1903 FORMS
(Not Applicable)

APPENDIX F:
AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
(Not Applicable)

APPENDIX G:
DISPOSAL MANIFEST



April 19, 2017

Re: Treatment of Purge Water
Coastal Truck Stop 76
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 17-5929

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 30 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

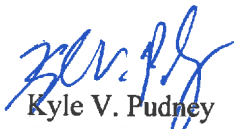
April 19, 2017

A total of 143.0 gallons were treated on April 4, 2017, at the referenced site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.



Kyle V. Pudney
Project Biologist

APPENDIX H:
LOCAL ZONING REGULATIONS
(Not Applicable)

APPENDIX I:
FATE AND TRANSPORT MODELING
(Not Applicable)

APPENDIX J:
ACCESS AGREEMENTS
(Not Applicable)

APPENDIX K:
DATA VERIFICATION CHECKLIST

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Are 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? (Table 2 & Figure 5)	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? (Appendix B)	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the <u>current</u> and historical laboratory data been provided in tabular format? (Tables 3 & 3A)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)			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? (Figures 4, 4A, 4B, 4C)	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 E)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			X
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix K)	X		



DAN MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

JAN 10 2018



Re: **SSWP Directive for GWS**
Coastal 76 Truck Stop, 2513 E Palmetto St, Florence, SC
UST Permit # 03538
Release reported September 27, 1995
Monitoring Report received June 23, 2017
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report submitted by Midlands Environmental Consultants, Inc. The report documents petroleum chemicals in the groundwater above Risk-Based Screening Levels (RBSLs).

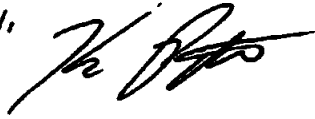
To determine what risk the referenced release may pose to human health and the environment, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, implementation of groundwater sampling is necessary. The groundwater sampling must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP) and in compliance with all applicable regulations. A copy of the UST QAPP is available at <http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/>.

Groundwater samples should be collected from all monitoring wells, water supply wells, and surface waters within 1,000 ft radius of the site and analyzed for BTEX + Naphth + MtBE, 1,2-DCA, 8 oxygenates, and EDB.

Your contractor must submit a Site-Specific Work Plan (SSWP) if your contractor has an approved Annual Contractor Quality Assurance Plan (ACQAP). The SSWP and Cost Proposal must be submitted within 30 days from the date of this letter. Every component may not be necessary to complete the above scope of work. The State Underground Petroleum Environmental Response Bank (SUPERB) Account allowable cost for each component is included on the Assessment Component Cost Agreement Form. Please note that approval from DHEC must be issued before work begins.

On all correspondence regarding this site, please reference UST Permit # 03538. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-0592, fax me at (803) 898-0673, or e-mail me at patterkc@dhec.sc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Patterson', written over the word 'Sincerely,'.

Kyle Patterson, Hydrogeologist
Assessment & Unregulated Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

cc: Midlands Environmental Consultants, Inc, PO Box 854, Lexington, SC, 29071
Technical file

 **Midlands
Environmental
Consultants, Inc.**

February 8, 2018



Mr. Kyle Patterson, Hydrogeologist
Assessment & Unregulated Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201



Subject: Site-Specific Work Plan
Coastal Truck Stop 76
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 18-6276
Certified Site Rehabilitation Contractor UCC-0009

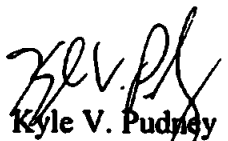
Dear Mr. Patterson,

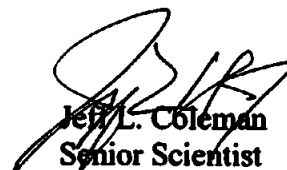
Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On January 22 and February 8, 2018, MECI personnel performed a site visits to the subject site to evaluate site conditions, locate monitoring wells and identify potential problems for future sampling activities.

If you have any question or comments please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.


Kyle V. Pudney
Project Biologist


Jeff L. Coleman
Senior Scientist



**Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division**

To: Mr. Kyle Patterson (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal Truck Stop 76 UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence, SC 29506
Responsible Party: Dan McEachin Phone: 803-651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): SAA
Property Owner Address: SAA
Current Use of Property: Construction Site

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☒ Groundwater Sampling ☐ GAC
☐ Tier I ☐ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☒ BTEXNMDCA (8260B) ☐ Lead ☐ BOD ☐ Methane
☒ Oxygenates (8260B) ☐ 8 RCRA Metals ☐ Nitrate ☐ Ethanol
☒ EDB (8011) ☐ TPH ☐ Sulfate ☐ Dissolved Iron
☐ PAH (8270D) ☐ pH ☐ Other _____

Drinking Water Supply Wells:

☐ BTEXNMDCA (524.2) ☐ Mercury (200.8 245.1 or 245.2) ☐ EDB (504.1)
☐ Oxygenates & Ethanol (8260B) ☐ RCRA Metals (200.8)

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 _____ Water Supply Wells _____ Air _____ 2 _____ Field Blank
_____ 24 _____ Monitoring Wells _____ Surface Water _____ 2 _____ Duplicate _____ 2 _____ Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: _____ Estimated Footage: _____ feet per point
of deep points proposed: _____ Estimated Footage: _____ feet per point

Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

of shallow wells: 2 Estimated Footage: 20' feet per point
of deep wells: _____ Estimated Footage: _____ feet per point
of recovery wells: _____ Estimated Footage: _____ feet per point

Comments, if warranted:

UST Permit #: 03538

Facility Name: Coastal Truck Stop 76

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 2/9/2018

Field Work Completion: 3/9/2018

Report Submittal: 4/9/2018

of Copies Provided to Property Owners: 2

Aquifer CharacterizationPump Test: ☐ Slug Test: ☒ (Check one and provide explanation below for choice)

MECI proposes conducted slug test on MW-4, MW-11 and TW-1

Investigation Derived Waste Disposal

Soil: _____ Tons

Purge Water: 200.0

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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-During recent site visits, monitoring wells MW-10/MW-10R, MW-14, MW-16, MW-21, MW-22, MW-22D and MW-28 were unable to be located. These wells may have been destroyed or covered a large fill pile to be used for a future road widening project along Kopper's Road.

-Monitoring wells MW-5, MW-15, MW-23 and MW-25 were located, however were found to be heavily damaged.

-Due to projected road widening along Koppers Road and historical analytical data, MECI recommends sampling MW-16, MW-17, MW-21, MW-23, MW-24 MW-25 and MW-26, then properly abandon these wells. During abandonment activities, MECI also proposes replacing MW-10R and MW-28, repacking MW-5 and MW-15 and converting MW-19 and MW-20 to above grade vaults. Following replacement/repair, a secondary sampling event will be conducted to sample the remaining wells. In addition, a receptor survey will be performed, 3 slug tests conducted and subsequent survey performed.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)Yes Laboratory as indicated in ACQAP? (Yes/No)

If no, indicate laboratory information below.

Name of Laboratory: _____

SCDHEC Certification Number: _____

Name of Laboratory Director: _____

Yes Well Driller as indicated in ACQAP? (Yes/No)

If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

None 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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



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 16, 2016

Facility Name: Coastal Truck Stop 76

UST Permit #: 03538

Cost Agreement #: Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. Plan Preparation				
A1. Site-specific Work Plan	1	each	\$150.00	\$150.00
B1. Tax Map		each	\$70.00	\$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
2. A1. Receptor Survey *	1	each	\$551.00	\$551.00
3. Survey (500 ft x 500 ft)				
A1. Comprehensive Survey		each	\$1,040.00	\$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	\$1,300.00	\$0.00
2B. > 10 meters below grade		each	\$2,310.00	\$0.00
C1. Geophysical UST or Drum Survey		each	\$910.00	\$0.00
4. Mob/Demob				
A1. Equipment	1	each	\$1,020.00	\$1,020.00
B1. Personnel	4	each	\$423.00	\$1,692.00
C1. Adverse Terrain Vehicle		each	\$500.00	\$0.00
5. A1. Soil Borings (hand auger)*		foot	\$5.00	\$0.00
6. Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)*				
AA. Standard		per foot	\$15.00	\$0.00
C1. Fractured Rock		per foot	\$20.20	\$0.00
7. A1. Soil Leachability Model		each	\$60.00	\$0.00
8. Abandonment (per foot)*				
A1. 2" diameter or less	123	per foot	\$3.10	\$381.30
B1. Greater than 2" to 6" diameter		per foot	\$4.50	\$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	\$15.00	\$0.00
9. Well Installation (per foot)*				
A1. Water Table (hand augered)	40	per foot	\$10.60	\$0.00
B1. Water Table (drill rig)		per foot	\$38.00	\$1,520.00
CC. Telescoping		per foot	\$50.00	\$0.00
DD. Rock Drilling		per foot	\$58.00	\$0.00
E1. 2" Rock Coring		per foot	\$30.90	\$0.00
G1. Rock Multi-sampling ports/screens		per foot	\$33.40	\$0.00
HH. Recovery Well (4" diameter)		per foot	\$45.00	\$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	\$15.00	\$0.00
J1. Rotasonic (2" diameter)		per foot	\$44.00	\$0.00
K. Re-develop Existing Well		per foot	\$11.00	\$0.00
10. Groundwater Sample Collection / Gauge Depth to Water or Product *				
A1. Groundwater Purge	2	per well/receptor	\$60.00	\$120.00
B1. Air or Vapors		per receptor	\$12.00	\$0.00
C1. Water Supply		per well/receptor	\$22.00	\$0.00
D1. Groundwater No Purge or Duplicate	24	per well/receptor	\$28.00	\$672.00
E1. Gauge Well only		per well	\$7.00	\$0.00
F1. Sample Below Product		per well	\$12.00	\$0.00
G1. Passive Diffusion Bag		each	\$26.00	\$0.00
H1. Field Blank	2	each	\$24.60	\$49.20

11. Laboratory Analyses-Groundwater					
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	30	per sample	\$122.00		\$3,660.00
AA1. Lead, Filtered		per sample	\$13.80		\$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	\$153.60		\$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	\$36.40		\$0.00
D1. PAH's		per sample	\$60.60		\$0.00
E1. Lead		per sample	\$16.00		\$0.00
F1. EDB by EPA 8011	28	per sample	\$45.20		\$1,265.60
FF1. EDB by EPA Method 8011 Rush		per sample	\$68.20		\$0.00
G1. 8 RCRA Metals		per sample	\$63.40		\$0.00
H1. TPH (9070)		per sample	\$41.00		\$0.00
II. pH		per sample	\$5.20		\$0.00
J1. BOD		per sample	\$20.00		\$0.00
PP. Ethanol		per sample	\$14.80		\$0.00
11. Analyses-Drinking Water					
L. BTEXNM+1,2 DCA (524.2)		per sample	\$124.05		\$0.00
M. 7-OXYGENATES & ETHANOL (8260B)		per sample	\$91.75		\$0.00
N. EDB (504.1)		per sample	\$79.50		\$0.00
O. RCRA METALS (200.8)		per sample	\$100.00		\$0.00
11. Analyses-Soil					
Q1. BTEX + Naphth.		per sample	\$64.00		\$0.00
R1. PAH's		per sample	\$64.04		\$0.00
S1. 8 RCRA Metals		per sample	\$56.40		\$0.00
U1. TPH-DRO (3550C/8015C)		per sample	\$40.00		\$0.00
V1. TPH- GRO (5030B/8015C)		per sample	\$35.96		\$0.00
W1. Grain size/hydrometer		per sample	\$104.00		\$0.00
X1. Total Organic Carbon		per sample	\$30.60		\$0.00
11. Analyses-Air					
Y1. BTEX + Naphthalene		per sample	\$216.00		\$0.00
11. Analyses-Free Phase Product					
Z1. Hydrocarbon Fuel Identification		per sample	\$357.00		\$0.00
12. Aquifer Characterization					
A1. Pumping Test*	3	per hour	\$23.00		\$0.00
B1. Slug Test*		per test	\$191.00		\$573.00
C1. Fractured Rock		per test	\$100.00		\$0.00
13. A1. Free Product Recovery Rate Test*					
		each	\$38.00		\$0.00
14. Fate/Transport Modeling					
A1. Mathematical Model		each	\$100.00		\$0.00
B1. Computer Model		each	\$100.00		\$0.00
15. Risk Evaluation					
A. Tier I Risk Evaluation		each	\$300.00		\$0.00
B1. Tier II Risk Evaluation		each	\$100.00		\$0.00
16. A1. Subsequent Survey*					
		each	\$260.00		\$0.00
17. Disposal (gallons or tons)*					
AA. Wastewater	200	gallon	\$0.56		\$112.00
BB. Free Product		gallon	\$0.50		\$0.00
C1. Soil Treatment/Disposal		ton	\$60.00		\$0.00
D1. Drilling fluids		gallon	\$0.42		\$0.00
18. Miscellaneous (attach receipts)					
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
		each	\$0.00		\$0.00
20. Tier I Assessment (Use DHEC 3665 form)					
		standard			\$0.00
21. IGWA (Use DHEC 3666 form)					
		standard			\$0.00
22. Corrective Action (Use DHEC 3667 form)					
		PFP Bid			\$0.00

23. Aggressive Fluid & Vapor Recovery (AFVR)					
A1. 8-hour Event*		each	\$1,375.00		\$0.00
AA. 24-hour Event*		each	\$3,825.00		\$0.00
A3. 48-hour Event*		each	\$6,265.00		\$0.00
A4. 96-hour Event*		each	\$12,567.50		\$0.00
C1. Off-gas Treatment 8 hour		per event	\$122.50		\$0.00
C2. Off-gas Treatment 24 hour		per event	\$241.50		\$0.00
C3. Off-gas Treatment 48 hour		per event	\$327.00		\$0.00
C4. Off-gas Treatment 96 hour		per event	\$780.00		\$0.00
D. Site Reconnaissance		each	\$203.25		\$0.00
E1. Additional Hook-ups		each	\$25.75		\$0.00
F1. Effluent Disposal		gallon	\$0.44		\$0.00
G. AFVR Mobilization/Demobilization		each	\$391.50		\$0.00
24. Granulated Activated Carbon (GAC) filter system installation & service:					
A1. New GAC System Installation*		each	\$1,900.00		\$0.00
BB. Refurbished GAC Sys. Install*		each	\$900.00		\$0.00
C1. Filter replacement/removal*		each	\$350.00		\$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	\$275.00		\$0.00
E1. GAC System housing*		each	\$250.00		\$0.00
F. In-line particulate filter		each	\$150.00		\$0.00
G1. Additional piping & fittings		foot	\$1.50		\$0.00
25. Well Repair					
A1. Additional Copies of the Report Delivered		each	\$50.00		\$0.00
B1. Repair 2x2 MW pad*		each	\$50.00		\$0.00
C1. Repair 4x4 MW pad*		each	\$88.00		\$0.00
D1. Repair well vault*		each	\$118.00		\$0.00
F1. Replace well cover bolts		each	\$2.60		\$0.00
G. Replace locking well cap & lock		each	\$15.00		\$0.00
H1. Replace/Repair stick-up*		each	\$134.00		\$0.00
II. Convert Flush-mount to Stick-up*	2	each	\$150.00		\$300.00
J1. Convert Stick-up to Flush-mount*		each	\$130.00		\$0.00
K1. Replace missing/illegible well ID plate		each	\$12.00		\$0.00
Report Prep & Project Management	12%	percent	\$12,066.10		\$1,447.93
TOTAL					\$13,514.03

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



Reference: Florence East, South Carolina
 Contour Interval- 2 Meters
 USGS 7.5 Min. Quad

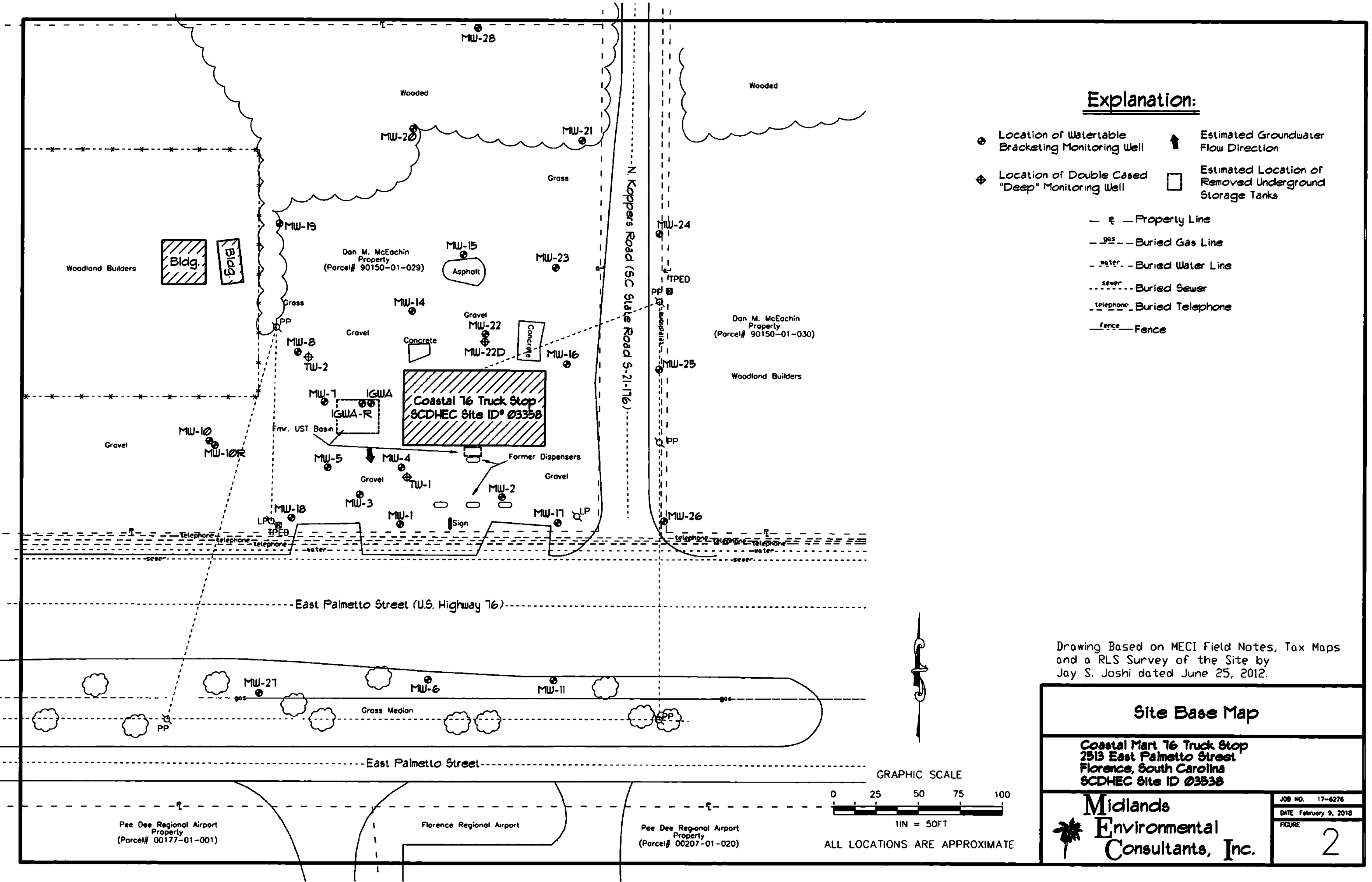
Midlands
 Environmental
 Consultants, Inc.

Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 SCDHEC Site ID# 03538

Figure 1

MECI 17-5929



Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map	
Coastal Mart 76 Truck Stop 2513 East Palmetto Street Florence, South Carolina SCDHEC Site ID 03358	
Midlands Environmental Consultants, Inc.	JOB NO. 17-6276
	DATE February 9, 2018
	FIGURE 2

PLAN VIEW
Existing Conditions
Koppers Estate Road
STA: 0+00 - 13+00

**CONTRACTOR TO DEMO, REMOVE, REPLACE, &
MODIFY THE FOLLOWING:**

ADJUST/MODIFY (A/M)

A/M-1. ADJUST BOTTOM ELEVATION TO 12-INCHES ABOVE FINISH GRADE (TYP.)
A/M-2. ADJUST RIM ELEVATION AS NECESSARY TO FINISH GRADE (WATER VALVES/GAS V/

DEMOLITION (D)

D-1. DEMO EXISTING BRICK BUILDING: APPROXIMATELY ± 65,200 SF.

PROTECT AND RETAIN (P/R)

P/R-2. PROTECT AND RETAIN ALL BENCHMARKS (SEE GEN. NOTES)
P/R-4. PROTECT AND RETAIN EXISTING STORMWATER STRUCTURE (TYP.)

P/R-5. PROTECT AND RETAIN EXISTING SIGN

REMOVE AND DISPOSE (R/D)

R/D-1. REMOVE AND DISPOSE EXISTING ASPHALT ROAD (TYP.)
R/D-2. REMOVE AND DISPOSE EXISTING TREES (TYP.)

R/D-3. REMOVE AND DISPOSE EXISTING CURB AND GUTTER (TYP.)
R/D-4. REMOVE AND DISPOSE EXISTING CATCH BASIN (TYP.)

R/D-5. REMOVE AND DISPOSE EXISTING CULVERT (TYP.)

R/D-5. REMOVE AND DISPOSE EXISTING CULVERT (TYP.)

R/D-5. REMOVE AND DISPOSE EXISTING CULVERT (TYP.)

R/D-5. REMOVE AND DISPOSE EXISTING CULVERT (TYP.)

REMOVE AND RELOCATE (R/R)

R/R-1. REMOVE AND RELOCATE ROADWAY SIGN (TYP.)
R/R-2. REMOVE AND RELOCATE EXISTING FIRE HYDRANT (TYP.)

R/R-3. REMOVE AND RELOCATE POWER POLE TO OUTSIDE PROPOSED RIGHT-OF-WAY (TYP.)
R/R-4. REMOVE AND RELOCATE LIGHT POLE (TYP.) (COORDINATE WORK ACCORDINGLY)

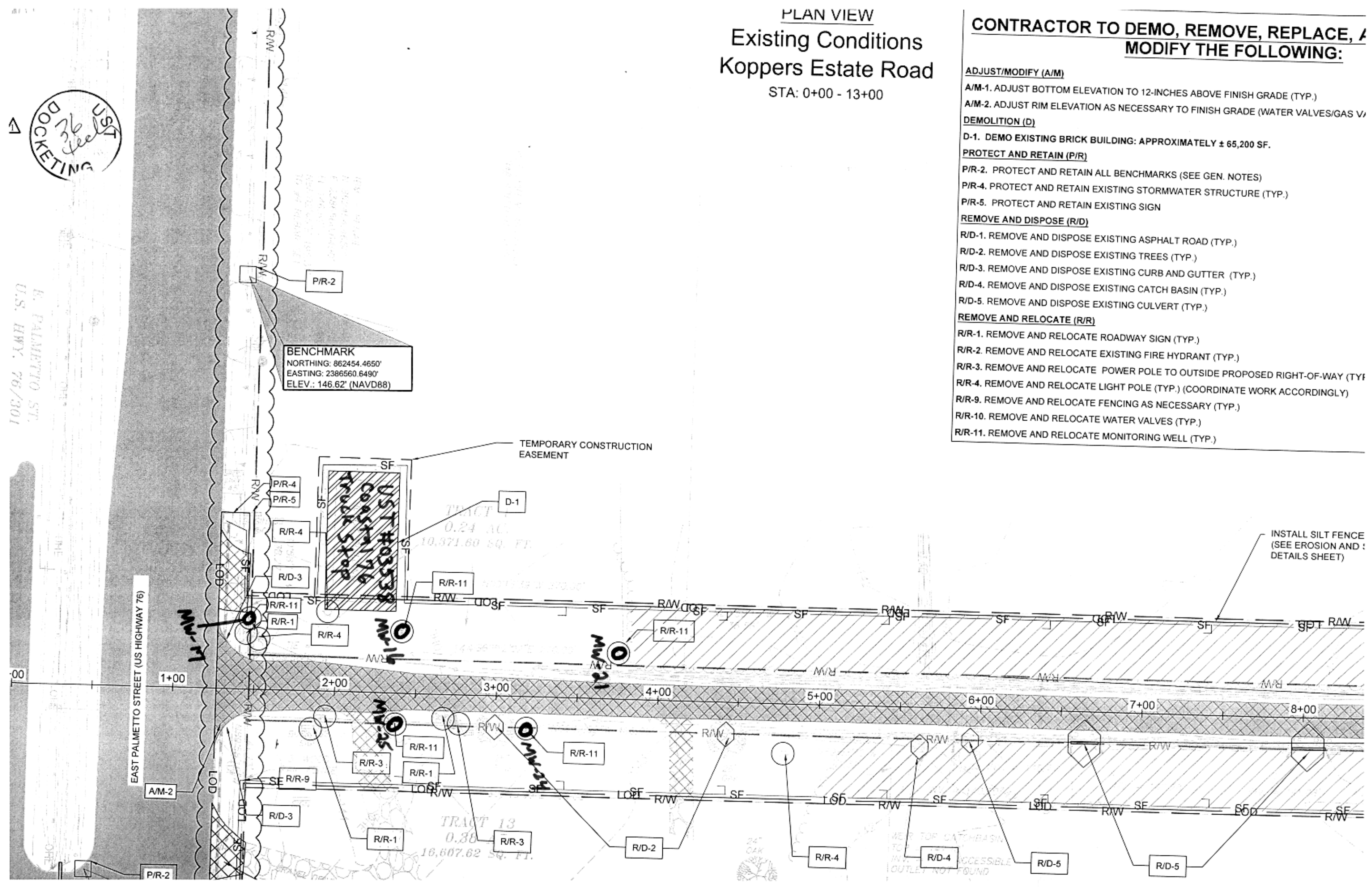
R/R-9. REMOVE AND RELOCATE FENCING AS NECESSARY (TYP.)
R/R-10. REMOVE AND RELOCATE WATER VALVES (TYP.)

R/R-10. REMOVE AND RELOCATE WATER VALVES (TYP.)
R/R-11. REMOVE AND RELOCATE MONITORING WELL (TYP.)

R/R-10. REMOVE AND RELOCATE WATER VALVES (TYP.)

R/R-10. REMOVE AND RELOCATE WATER VALVES (TYP.)

R/R-11. REMOVE AND RELOCATE MONITORING WELL (TYP.)



DOCKETING
36
U.S.T.

E. PALMETTO ST.
U.S. HWY. 76/301



DAN MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501



MAR 09 2018

Re: **Monitoring Well Installation and Directive**
Coastal 76 Truck Stop, 2513 E Palmetto St, Florence, SC
UST Permit # 03538; CA #56063; MWA-26903
Release reported September 27, 1995
Site-Specific Work Plan and cost proposal received February 13, 2018
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site-Specific Work Plan (SSWP) submitted by Midlands Environmental Consultants, Inc. All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), Midlands Environmental's approved SSWP and Annual Contractor Quality Assurance Plan (ACQAP), and in compliance with all applicable regulations. A copy of the current revision of the UST QAPP is available at <http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/>

The assessment should begin immediately upon receipt of this letter. A monitoring well approval has been enclosed for the monitoring well installation. Cost agreement #56063 has been approved for the amount shown on the enclosed cost agreement form. Please note the following changes to the cost agreement and SSWP:

- Item 25 B1 and D1 – Two Well Pad and Vault repairs have been added to the cost agreement for MW-5 and MW-15.

The Contractor must provide the UST Project Manager with a Project Status Report on a weekly basis via e-mail or notify the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes.

The Assessment report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the Division within ninety(90) days of the date of this correspondence. The report submitted at the completion of these activities should include the required information outlined in the UST QAPP.

Midlands Environmental Consultants, Inc., can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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

Please note that in accordance with R.61-92, Subpart H, Section 280.114, you are required to notify the Division by certified mail within ten (10) days of commencing a voluntary or involuntary proceeding in bankruptcy. State law also requires that an owner/operator or guarantor that files for bankruptcy protection must immediately submit appropriate forms documenting that entity's ability to demonstrate financial responsibility.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by an DHEC-certified site rehabilitation contractor as required by R.61-98.

The Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit # 03538. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-0592, fax me at (803) 898-0673, or e-mail me at patterkc@dhec.sc.gov.

Sincerely,



Kyle Patterson, Hydrogeologist
Assessment & Unregulated Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement (ACA)
Monitoring Well Approval (MWA)

cc: Midlands Environmental Consultants, Inc, PO Box 854, Lexington, SC, 29071 (w/enc.)
Technical file (with enc.)



Monitoring Well Approval

Approval is hereby granted to: Midlands Environmental
(on behalf of): Dan McEachin
Facility: Coastal 75 Truck Stop, 2513 E Palmetto St., Florence, SC
UST Permit Number: 03538
County: Florence

This approval is for the installation of two shallow monitoring wells. The monitoring wells are to be installed in the approved locations. Monitoring wells are to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

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

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the Division shall be completed and submitted to the Division within 30 days after well completion or abandonment unless another schedule has been approved by the Division. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
4. All analytical data and water levels obtained from each monitoring well shall be submitted to the Division within 30 days of receipt of laboratory results unless another schedule has been approved by the Division as required by R.61-71.H.1.d.
5. If any of the information provided to the Division changes, notification to Kyle Patterson the project manager (tel: (803) 898-0592 or e-mail: patterkc@scdhec.sc.gov) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.
7. Division approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated May 27, 2016. A copy of this approval should be on the site during well installation.

Date of Issuance: March 1, 2017

Approval #: UMW-26903

Kyle Patterson, Hydrogeologist
Assessment & Unregulated Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Approved Cost Agreement 56063

Facility: 03538 COASTAL 76 TRUCK STOP

PATTERKC

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
01 PLAN		A1 SITE SPECIFIC WORK PLAN	1.0000	\$150.000	150.00
04 MOB/DEMOB		A1 EQUIPMENT	1.0000	\$1,020.000	1,020.00
		B1 PERSONNEL	4.0000	\$423.000	1,692.00
08 ABANDONMENT		A1 ABANDONMENT 2" DIA OR LESS	123.0000	\$3.100	381.30
09 WELL INSTALLATION		B1 WATER TABLE (DRILL RIG)	40.0000	\$38.000	1,520.00
10 SAMPLE COLLECTION		A1 GROUNDWATER (PURGE)	2.0000	\$60.000	120.00
		D1 GROUNDWATER NO PURGE/DUPLICATE	24.0000	\$28.000	672.00
		H1 FIELD BLANK	2.0000	\$24.600	49.20
11 ANALYSES	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH+8260B	30.0000	\$122.000	3,660.00
		F1 EDB BY 8011	28.0000	\$45.200	1,265.60
12 AQUIFER CHARACTERIZATION		B1 SLUG TEST	3.0000	\$191.000	573.00
17 DISPOSAL		AA WASTEWATER	200.0000	\$0.560	112.00
19 RPT/PROJECT MNGT & COORDINATIO		PRT REPORT PREPARATION	0.1200	\$11,811.100	1,417.33
25 WELL REPAIR		B1 REPAIR 2X2 MONITORING WELL PAD	2.0000	\$50.000	100.00
		D1 REPLACE WELL VAULT	2.0000	\$118.000	236.00
		J1 CONVERT STICKUP TO FLUSH-MOUNT	2.0000	\$130.000	260.00
Total Amount					13,228.43

Document Receipt Information

☐

Hard Copy

☒

CD

☐

Email

Date Received

6/17/2018

Permit Number

03538

Project Manager

Kyle Patterson

Name of Contractor

MECI

UST Certification Number

Additional Assessment report

Docket Number

58 Tech

Scanned

ADDITIONAL ASSESSMENT REPORT

Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC SITE ID 03538
CA # 56063

Prepared By:



231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

April 30, 2018

MECI Project No. 18-6276



April 30, 2018

Mr. Kyle Patterson, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

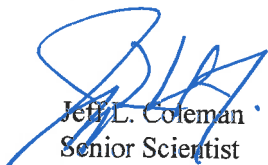
Subject: Additional Assessment Report
Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC Site ID# 03538, CA # 56063
MECI Project Number 18-6276
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Patterson,

On behalf of Mr. Dan McEachin, Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Additional Assessment Report for the referenced site. This report describes assessment activities conducted at the site and results of those activities in general accordance with South Carolina Department of Health and Environmental Control (SCDHEC) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.



Jeff L. Coleman
Senior Scientist



Bryan T. Shane, P.G.
Principal Geologist

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**APPENDIX H – LOCAL ZONING REGULATIONS
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APPENDIX K – DATA VERIFICATION CHECKLIST

NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

A. Owner/Operator Information

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 E. Palmetto Street
Name: Dan McEachin
Address: 1007 Wentworth Drive
Telephone #: Contact: Dan McEachin (803) 651-8835

B. Property Owner Information

Name: Elizabeth E. McEachin
Tax Map #: Florence Co. Tax Map #: 90089-01-006
Address: 1007 Wentworth Drive
Telephone #: Contact: Dan McEachin (803) 651-8835

C. Contractor Information

Name: Midlands Environmental Consultants, Inc.
Certification #: 9
Address: P. O. Box 854, Lexington, SC 29071
Telephone #: (803) 808-2043

D. SCDHEC Certified Well Driller

Name: Environmental Drilling & Probing Services, LLC.
Driller: Jacob Kiker
Certification #: B 2200
Address: 17538 Greenhill Road, Charlotte, NC 28278
Telephone #: (704) 607-7529

E. SCDHEC Certified Laboratory

Name: Pace Analytical Services, LLC
Certification #: 99006001
Address: 9800 Kinsey Ave. Suite 100, Huntersville, NC 28078
Telephone #: (704) 875-9092

1.1 PROJECT INFORMATION

The subject site (Coastal 76 Truck Stop) is located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. The subject site formally maintained four underground storage tanks (UST's), including 1-2,000 gallon gasoline UST, 1-3,000 gallon gasoline UST, 1-1,000 gallon gasoline UST, and 1-2,000 gallon diesel UST. These UST's were abandoned by removal from ground in August of 1995. A release of petroleum product was reported to The South Carolina Department of Health and Environmental Control in September of 1995 and confirmed this release in August of 1997. The subject site is currently rated a Class 3BA.

Prior to commencement of the field activities described in this document, a Site Specific Work Plan (SSWP) was completed by MECI personnel, submitted to SCDHEC and approved by the SCDHEC project manager.

The above project information is based on MECI field notes and SCDHEC files.

2.0 SURROUNDING PROPERTY USAGE

The subject site is located inside the city limits of Florence, Florence County, South Carolina. East Palmetto Street (U.S. Highway 76) forms the southern border of the site, beyond which is the Florence County Regional Airport. North Koppers Road (SC State Rd. S-21-176) forms the eastern border of the site, beyond which are commercial properties. Commercial properties border the site to the west. North of the site is wooded and undeveloped.

Identified potential receptors at the referenced site include one water supply well. The following table identifies water supply well and the physical address of their locations:

Water Supply Well Number	Well Owner	Florence County Tax Map Number:	Notes:	Well Status
WSW-1	Ken-Co Homes of Florence, LLC.	90150-01-031	2623 East Palmetto Street/700' Feet East	Active/Sampled

This water supply well (WSW-1) is located approximately 330 feet east of the subject site.

3.0 AREA GEOLOGY AND HYDROGEOLOGY

The project site is located in the Atlantic Coastal Plain Physiographic Province. The mean elevation of the property as depicted on the local USGS quadrangle (Florence East) appears to be approximately 45 meters above sea level. The soils in this province are generally interbedded silts, sands and clays that have been deposited during successive advances and retreats of the ocean over the past several million years. This interbedding can cause perched water and makes hydrogeological interpretation difficult.

In this geologic setting, the uppermost aquifer is the surficial aquifer of sands with lenses and layers of clays and silts. Water occupies the interstices between the formation particles and is in hydrostatic balance with the atmosphere at the water table surface.

Local precipitation is the source of freshwater recharge to the Coastal Plain formations. Groundwater recharge varies considerably over the region and is attributed to the differences in precipitation and to the variability in the infiltration rates.

Coastal Plain formations generally dip toward the Atlantic Ocean. Consequently, regional groundwater movement is to the southeast. On a regional scale, hydraulic gradients are relatively low.

Locally, in the surficial aquifer, groundwater discharges into streams, lakes or springs where the groundwater table intersects lows occupied by these water bodies. The apparent direction (based on the current hydraulic gradient) of groundwater flow from the release is to the east towards drainage features associated with Canal Branch.

3.1 LOCAL SUBSURFACE CONDITIONS

Coastal plain sediments were encountered during previous drilling activities conducted at the site. The soils encountered in our borings generally consisted of clayey fine grained sands. Test Boring Records, which depict the materials encountered in each boring, are located in Appendix E.

On March 29 and April 4, 2018, stabilized groundwater levels were measured in the monitoring wells. Depth to groundwater ranged from 9.18 to 11.84 feet below top of casing in the wells measured. The groundwater measurements are summarized in tabular form in Table 2 and on Figure 5. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

The above descriptions provide a general summary of the subsurface conditions encountered. The attached Test Boring Records (Appendix E) contain detailed information recorded from the newly installed well. The Test Boring Records represent our interpretation of the field logs based on examination of the field samples. The lines designating the interfaces between various strata represent approximate boundaries, and the transition between strata may be gradational.

4.0 FIELD EXPLORATION

Field exploration conducted at the site included:

- Construction of one groundwater monitoring wells;
- abandonment of five monitoring wells;
- repair of five monitoring wells;
- subsequent survey of the site;
- comprehensive sampling of the entire monitoring well network and nearby receptor;
- chemical analyses of groundwater samples; and,
- completion of three inflow permeability test.

The monitoring well locations were selected based on SCDHEC instruction, property access, existing site conditions, and drilling accessibility.

4.1 WELL INSTALLATION

On March 29, 2018, one 2-inch diameter watertable bracketing monitoring wells was installed at the subject site to replace monitoring wells which had previously been unable to be located. This well (03538-MW10RR) was installed by Environmental Drilling & Probing Services, LLC. of Charlotte, North Carolina (S.C. Drilling Certification: Mr. Jacob Kiker #B 2200), utilizing a track-mounted drilling rig. Monitoring well 03538-MW10RR was installed using 7.5-inch outer diameter hollow-stem augers and utilizes a 10' foot screen.

The following table presents new well installation details:

Well Number	Screened Interval (ft)	Total Depth (ft)
03538-MW10RR	7.0-17.0	16.68'

Representative portions of soil samples were screened with a Photo Ionization Detector (PID) and classified by MECI personnel. Test boring records showing soil descriptions and screening result are attached in Appendix E.

Drill cuttings were containerized and transported on March 30, 2018 to Waste Management/Richland County Landfill, Elgin, SC by MECI personnel. A total of 0.38 tons was disposed of in this manner. A disposal manifest for these soils is attached at the end of this report.

On March 29, 2018, the newly installed well was developed by purging until it was determined to be functioning properly and turbidity was reduced. The well was developed utilizing a Mini-Monsoon well pump. The drummed purge water was treated by MECI personnel using a granular activated carbon drum. A total of 15.00 gallons of purge/development water was disposed of in this manner. Well development logs are presented in Appendix E and a disposal manifest for the treated development water is presented in Appendix G.

4.2 MONITORING WELL ABANDONMENT

On March 29, 2018, monitoring wells 03538-MW17, 03538-MW23, 03538-MW24, 03538-MW25 and 03538-MW26 were abandoned at the subject site due to future road widening activities which would have resulted in their destruction. The well abandonment was conducted according to South Carolina Well Standards and Regulations R.61-71.H. The well abandonment was conducted under the direction of Mr. Jacob Kiker (SC Driller's License #B2200) of Environmental Drilling and Probing Services (EDPS) of Charlotte, North Carolina. The following table presents the well identification number, surface covering, well diameter, and total well depth:

Well Number	Surface Covering	Well Diameter (inches)	Total Depth (Feet)
03538-MW17	Dirt/Grass	2.0	21.00'
03538-MW23	Dirt/Grass	2.0	11.61'
03538-MW24	Dirt/Grass	2.0	18.42'
03538-MW25	Dirt/Grass	2.0	18.29'
03538-MW26	Dirt/Grass	2.0	20.00'
Total Footage of Abandoned Wells			89.32'

The monitoring wells were abandoned with portland bentonite slurry utilizing tremie pipe. A total of 89.32' feet of 2"-inch monitoring wells were abandoned by the methods described above. Following abandonment, the well vault and pad were removed from the ground and the void filled. Please find the attached SCDHEC 1903 Water Well Records in Appendix E.

4.3 MONITORING WELL REPAIR

On March 30, 2018, the pad and vault of monitoring wells 03538-MW05 and 03538-MW15 were replaced and monitoring wells 03538-MW19, 03538-MW20 and 03538-MW28 were converted from flush-mount vaulted wells to above-grade vaulted wells. These monitoring well repairs were conducted under the direction of Mr. Jacob Kiker (SC Driller's License #B2200) of Environmental Drilling and Probing Services (EDPS) of Charlotte, North Carolina. During the repair, the casing of 03538-MW19, 03538-MW20 and 03538-MW28 was changed to better meet the existing grade of the well location. Based on these changes in casing elevation, 03538-MW19, 03538-MW20 and 03538-MW28 were resurveyed.

4.4 SITE SURVEY

Following the well installation and necessary repairs, a subsequent survey was conducted by MECI personnel, utilizing a fiberglass rod, level, and tape to determine the horizontal and vertical position of monitoring wells 03538-MW10RR, 03538-MW19, 03538-MW20 and 03538-MW28. A top of casing (TOC) elevation of 145.68' for 03538-MW11 and a TOC elevation of 145.79' for 03538-MW18 were used as benchmarks for surveying purposes. Elevations were based on information obtained from SCDHEC files.

The following table presents site survey results:

Well Number	Top of Casing (TOC) Elevation
03538-MW10RR	144.36'
03538-MW19	148.42'
03538-MW20	148.46'
03538-MW28	147.16'

4.5 SAMPLING AND CHEMICAL ANALYSES

On March 29, 2018 and April 4, 2018, MECI personnel collected groundwater samples from twenty-five (25) monitoring wells and one (1) water supply well at the subject site. During sampling activities, monitoring wells 03538-MW14, 03538-MW16, 03538-MW21, 03538-MW22 and 03538-MW22D were unable to be located because they have either been destroyed or covered by a large pile of fill dirt which will be used for future road construction activities. As directed by SCDHEC, only newly installed monitoring wells and wells with depth to water outside of the screened interval were to be purged prior to sample collection. During sampling activities, five (5) monitoring wells were purged prior to sample collection.

On April 13, 2018, MECI received analytical results from the April 4, 2018 water supply well sampling event. Results indicated low levels of petroleum impact to WSW-1. After consultation with SCDHEC project manager, Mr. Kyle Patterson, it was determined that confirmation sampling of WSW-1 was necessary. On April 18, 2018, MECI mobilized to the site and collected confirmation samples from WSW-1.

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements.

Purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (°C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with SCDHEC's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, LLC of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well:

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
Analyte Sampled													
IGWA		X					X	X	X	X			
IGWA R		X					X	X	X	X			
MW-1		X					X	X	X	X			
MW-2		X					X	X	X	X			
MW-3		X					X	X	X	X			
MW-4		X					X	X	X	X			
MW-5		X					X	X	X	X			
MW-6		X					X	X	X	X			
MW-7		X					X	X	X	X			
MW-8		X					X	X	X	X			
MW-9						X							
MW-10						X							
MW-10R						X							
MW-10RR	X						X	X	X	X			
MW-11		X					X	X	X	X			
MW-14						X							
MW-15		X					X	X	X	X			
MW-16						X							
MW-17	X						X	X	X	X			
MW-18		X					X	X	X	X			

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide
* = Confirmation Sampling

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
MW-19		X					X	X	X	X			
MW-20		X					X	X	X	X			
MW-21						X							
MW-22						X							
MW-22D						X							
MW-23		X					X	X	X	X			
MW-24		X					X	X	X	X			
MW-25		X					X	X	X	X			
MW-26		X					X	X	X	X			
MW-27		X					X	X	X	X			
MW-28	X						X	X	X	X			
TW-1	X						X	X	X	X			
TW-2	X						X	X	X	X			
DUP-1(MW-17)		X					X	X	X	X			
DUP-1(IGWA)		X					X	X	X	X			
Field Blank 3/29							X	X	X	X			
Field Blank 4/4							X	X	X	X			
Trip Blank 3/29							X		X	X			
Trip Blank 4/4							X		X	X			
WSW-1										X		X	X
WSW-1*												X	
DUP (WSW-1)		X								X		X	X
DUP (WSW-1)*		X										X	
Field Blank 4/4										X		X	X
Field Blank 4/18												X	
Trip Blank 4/4										X		X	
Trip Blank 4/18												X	

Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes
MTBE=Methyl tertiary butyl ether
1,2 DCA = 1,2 Dichloroethane
EDB = Ethylene Dibromide
* = Confirmation Sampling

The results of the laboratory analyses are summarized in Table 3 and presented in Appendix B.

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 26.00 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is presented in Appendix G.

4.6 INFLOW PERMEABILITY TESTS

Inflow permeability tests were performed on monitoring wells 03538-MW04, 03538-MW08 and 03538-TW01 on April 4, 2018 to estimate the hydraulic conductivity of the formation materials exposed to the well screen at each location. Inflow test methodology and calculations are included in Appendix F.

5.0 TEST RESULTS AND EVALUATION

The following sections discuss groundwater test results for the subject site.

5.1 GROUNDWATER ANALYTICAL RESULTS

As discussed in section 4.5, groundwater samples obtained from the monitoring well network were analyzed for dissolved phase petroleum constituents. During sampling activities, monitoring wells 03538-MW14, 03538-MW16, 03538-MW21, 03538-MW22 and 03538-MW22D were unable to be located because they have either been destroyed or covered by a large pile of fill dirt which will be used for future road construction activities. The analytical results indicate petroleum impact to the surficial aquifer (“Shallow” Zone), with the highest dissolved concentrations being detected in the area of MW-1. Of the twenty-five monitoring wells sampled, eight monitoring wells (IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5 and MW-17) detected petroleum constituents above Risked Based Screening Levels (RBSL’s). Petroleum constituents detected above the established RBSL include:

<i>Compound</i>	<i>RBSL/SCAL (ug/l)</i>	<i>Wells Above RBSL</i>
Benzene	5	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5 & MW-17
Toluene	1,000	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4 & MW-17
Ethylbenzene	700	IGWA-R, MW-1, MW-2, MW-3, MW-5 & MW-17
Total Xylenes	10,000	MW-1 & MW-3
Naphthalene	25	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5 & MW-17
MTBE	40	MW-2 & MW-17
1,2 DCA	5	None
EDB	0.05	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4 & MW-17
Lead	15	Not Analyzed
TAA	240	MW-2, MW-4 & MW-17
TAME	128	None
ETBA	NE	RBSL Not Established
TBA	1,400	None
TBF	NE	RBSL Not Established
DIPE	150	None
Ethanol	10,000	None
ETBE	47	None

In addition, the analytical results also detected petroleum constituents above the laboratory method detection limit or “J” values in monitoring wells MW-7, MW-10 and the original and confirmation samples collected water supply well WSW-1, however these results did not exceed the establish RBSL’s. The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

5.2 AQUIFER EVALUATION

As discussed in section 4.6, inflow permeability tests were performed in monitoring wells 03538-MW04, 03538-MW08 and 03538-TW01 on April 4, 2018 to estimate the hydraulic conductivity of the formation materials exposed to the well screen at each location. Inflow test methodology and calculations are included in Appendix F.

5.2.1 Hydraulic Conductivity

Hydraulic conductivity is defined as the ability of the aquifer material to conduct water under a hydraulic gradient. As discussed in section 4.6, three slug tests were performed on monitoring wells 03538-MW04, 03538-MW08 and 03538-TW01 to determine the *in-situ* hydraulic conductivity of the aquifer and were evaluated using the NAVFAC method for the aquifer. The average hydraulic conductivity values were determined to be 3.45×10^{-4} cm/sec in the monitoring wells which bracket the watertable and 1.79×10^{-4} cm/sec in the “deep” zone.

The test results are as follows:

Well Number	Type of Material Exposed to Screened Interval	Hydraulic Conductivity (K) (cm/sec)
03538-MW04	Fine SAND	1.81×10^{-4}
03538-MW08	Fine SAND	5.08×10^{-4}
03538-TW01	Fine SAND	1.79×10^{-4}

Notes: Field tests were reduced and the hydraulic conductivities computed using Techniques described in NAVFAC Soil Mechanics Design Manual 7.1, May, 1982, MW-4/MW-8 Condition A
TW-1 Condition C.

5.2.2 Horizontal Hydraulic Gradient

The horizontal hydraulic gradient is determined by dividing the difference in groundwater elevations at two locations by the horizontal distance between those locations along the direction of groundwater flow. The horizontal hydraulic gradient in the “shallow” watertable bracketing zone was determined to be approximately 1.43×10^{-3} feet/feet between groundwater monitoring wells 03538-MW02/03538-MW8 and it was determined to be approximately 3.37×10^{-3} feet/feet in the “deep” zone between groundwater monitoring wells 03538-TW01/03538-TW02.

5.2.3 Effective Porosity

Fetter (1980) defines effective porosity as “The amount of interconnected pore space through which fluids can pass, expressed as a percent of bulk volume. Part of the total porosity will be occupied by static fluid being held to the mineral surface by surface tension, so effective porosity will be less than total porosity”. Effective porosity can be estimated using the results of a tracer test. Although this is potentially the most accurate method, time and monetary constraints can be prohibitive, therefore the most common technique is to use an accepted literature value for the types of materials making up the aquifer matrix.

An effective porosity value of 0.20 was estimated for the wells which were screened in an fine sandy formation. Effective porosity values were estimated based on published values of effective porosity (After Walton, 1988 and Domenico and Schwartz, 1999).

5.2.4 Groundwater Flow Velocity

In addition to hydraulic gradients (i), the rates of groundwater movement (v) are a function of hydraulic conductivity (k) and effective porosity (ne), as indicated by the equation $v = ki/ne$. Based on those parameters, the average lateral groundwater movement in the sands at the site can be expected to be approximately 2.55 feet per year in the “shallow zone” and 3.12 feet per year in the “deep zone”. The rate of migration of the dissolved organic constituent(s), however, may be substantially slower than groundwater itself, due to retardation (Freeze and Cherry, 1979, pp. 402-408) and intrinsic aerobic biodegradation (Bucke et al., 1993). The hydraulic gradient and groundwater velocity calculations are provided on Table 4 and in Appendix F.

6.0 ASSESSMENT SUMMARY & RECOMMENDATIONS

Based on the results of our assessment activities, it appears that impact to the surficial aquifer has occurred due to a release of petroleum hydrocarbons. The highest concentrations of dissolved phase contaminants are located in the area south of the former UST's. Groundwater appears to be moving in a easterly direction towards drainage features associated with the Canal Branch; however this flow direction changes overtime and flow is generally radial to semi-radial.

During sampling activities, monitoring wells 03538-MW14, 03538-MW16, 03538-MW21, 03538-MW22 and 03538-MW22D were unable to be located. The analytical results indicate petroleum impact to the surficial aquifer (“Shallow” Zone), with the highest dissolved concentrations being detected in the area of MW-1. Of the twenty-five monitoring wells sampled, eight monitoring wells (IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5 and MW-17) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

<i>Compound</i>	<i>RBSL/SCAL (ug/l)</i>	<i>Wells Above RBSL</i>
Benzene	5	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5 & MW-17
Toluene	1,000	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4 & MW-17
Ethylbenzene	700	IGWA-R, MW-1, MW-2, MW-3, MW-5 & MW-17
Total Xylenes	10,000	MW-1 & MW-3
Naphthalene	25	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4, MW-5 & MW-17
MTBE	40	MW-2 & MW-17
1,2 DCA	5	None
EDB	0.05	IGWA, IGWA-R, MW-1, MW-2, MW-3, MW-4 & MW-17
Lead	15	Not Analyzed
TAA	240	MW-2, MW-4 & MW-17
TAME	128	None
ETBA	NE	RBSL Not Established
TBA	1,400	None
TBF	NE	RBSL Not Established
DIPE	150	None
Ethanol	10,000	None
ETBE	47	None

In addition, the analytical results also detected petroleum constituents above the laboratory method detection limit or “J” values in monitoring wells MW-7, MW-10 and the original and confirmation samples collected water supply well WSW-1, however these results did not exceed the establish RBSL’s. The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

Figure 4 depicts graphically the concentrations of Benzene in the monitoring wells which bracket the watertable at the site. Figure 4A depicts graphically the concentrations of Naphthalene in the monitoring wells which bracket the watertable at the subject site. Figure 4B depicts graphically the concentrations of EDB in the monitoring wells which bracket the watertable at the subject site. Figure 4C presents the 8-Oxygenates in the groundwater at the subject site.

Currently, the contaminant plume appears to be defined in relation to risk based screening levels (RBSL’s); however the abandonment of several monitoring wells along the eastern cooridor of the contaminant plume may hinder monitoring the site in the future. Since the April 4, 2017 groundwater sampling event, significant increases of CoC’s in monitoring wells MW-2 and MW-17 have occurred. With the exception of these increases observed in monitoring wells MW-2 and MW-17, CoC concentrations from the remainder of the monitoring wells have generally remained constant. Overall, the contaminant plume appears to be stable and migration does not appear to have taken place.

Based on the analytical results obtained from WSW-1, it may be advantageous to install a granular activated carbon (GAC) vessel on WSW-1. MECI also recommends installing several groundwater wells beyond the projected future road path along North Koppers Road (East of original positions of MW-25 and MW-26) and a series of groundwater recovery wells in the vicinity of monitoring wells which exhibit elevated CoC concentrations. Following the proposed well installation, a series of extended Aggressive Fluid Vapor Recovery (AFVR) events should be conducted at the subject site to reduce elevated dissolved CoC concentrations. Following the proposed AFVR events, additional groundwater sampling events should be conducted to continue to monitor the contaminant plume and nearby receptors until Site Specific Target Levels (SSTL’s) have been achieved.

7.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of this report are intended for the sole use of Mr. Dan McEachin, MECI and SCDHEC under mutually agreed upon terms and conditions. If other parties wish to rely on this report please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

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TABLES

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6276
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
IGWA	9/29/1999	TD: 16.74	NA	NA	0.21	145.19	NA
	2/20/2012		-	DRY	-	145.19	DRY
	6/26/2012		-	NM	-	145.19	NM
	12/3/2012		-	11.98	-	145.19	133.21
	12/13/2014		-	12.15	-	145.19	133.04
	8/31/2015		-	13.78	-	145.19	131.41
	6/1/2016		-	4.61	-	145.19	140.58
	4/4/2017		-	8.48	-	145.19	136.71
	4/4/2018		-	11.10	-	145.19	134.09
IGWA-R	9/29/1999	11-21	-	14.10	-	145.14	131.04
	2/20/2012		-	NM	-	145.14	NM
	6/26/2012		-	14.10	-	145.14	131.04
	12/3/2012		-	11.93	-	145.14	133.21
	12/13/2014		-	12.10	-	145.14	133.04
	8/31/2015		-	NM	-	145.14	NM
	6/1/2016		-	4.49	-	145.14	140.65
	4/4/2017		-	8.52	-	145.14	136.62
	4/4/2018		-	11.09	-	145.14	134.05
MW-1	9/29/1999	TD: 17.80	-	13.31	-	145.87	132.56
	2/20/2012		-	DRY	-	145.87	DRY
	6/26/2012*		14.69	14.71	0.02	145.87	131.18
	12/2/2012		-	12.54	-	145.87	133.33
	12/13/2014		-	12.75	-	145.87	133.12
	8/31/2015		-	12.31	-	145.87	133.56
	6/1/2016		-	5.16	-	145.87	140.71
	4/4/2017		-	9.24	-	145.87	136.63
	4/4/2018		-	11.62	-	145.87	134.25
MW-2	9/29/1999	TD: 18.30	-	13.63	-	145.19	131.56
	2/20/2012		-	DRY	-	145.19	DRY
	6/26/2012		-	14.04	-	145.19	131.15
	12/2/2012		-	12.34	-	145.19	132.85
	12/13/2012		-	12.36	-	145.19	132.83
	8/31/2015		-	12.17	-	145.19	133.02
	6/1/2016		-	4.57	-	145.19	140.62
	4/4/2017		-	7.95	-	145.19	137.24
	4/4/2018		-	11.00	-	145.19	134.19
MW-3	9/29/1999	TD: 18.20	-	13.13	-	145.51	132.38
	2/20/2012*		17.80	18.20	0.40	145.51	127.65
	6/26/2012*		14.18	14.19	0.01	145.51	131.33
	12/2/2012		-	12.67	-	145.51	132.84
	12/13/2014		-	12.39	-	145.51	133.12
	8/31/2015		-	12.06	-	145.51	133.45
	6/1/2016		-	4.68	-	145.51	140.83
	4/4/2017		-	8.73	-	145.51	136.78
	4/4/2018		-	11.30	-	145.51	134.21
MW-4	9/29/1999	TD: 18.35	-	12.91	-	145.56	132.65
	2/20/2012*		17.56	17.58	0.02	145.56	128.00
	6/26/2012		-	14.35	-	145.56	131.21
	12/2/2013		-	12.26	-	145.56	133.30
	12/13/2012		-	12.43	-	145.56	133.13
	8/31/2015		-	12.24	-	145.56	133.32
	6/1/2016		-	NL	-	145.56	NL
	4/4/2017		-	8.86	-	145.56	136.70
	4/4/2018		-	11.27	-	145.56	134.29
MW-5	9/29/1999	8.29-18.29	-	12.54	-	145.11	NA
	2/20/2012		-	17.05	-	145.11	128.06
	6/26/2012		-	13.90	-	145.11	131.21
	12/3/2014		-	NL	-	145.11	NL
	12/13/2014		-	NL	-	145.11	NL
	8/31/2015		-	NL	-	145.11	NL
	6/1/2016		-	4.35	-	145.11	140.76
	4/4/2017		-	8.45	-	145.11	136.66
	4/4/2018		-	10.34	-	145.11	134.77

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POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6276
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-6	9/29/1999	8.29-18.29	-	13.04	-	146.04	133.00
	2/20/2012		-	DRY	-	146.04	DRY
	6/26/2012		-	14.65	-	146.04	131.39
	12/2/2013		-	12.67	-	146.04	133.37
	12/13/2012		-	12.91	-	146.04	133.13
	8/31/2015		-	12.54	-	146.04	133.50
	6/1/2016		-	5.13	-	146.04	140.91
	4/4/2017		-	9.60	-	146.04	136.44
	4/4/2018		-	11.84	-	146.04	134.20
MW-7	9/29/1999	8.38-18.38	-	NA	-	144.61	NA
	2/20/2012		-	16.54	-	144.61	128.07
	6/26/2012		-	13.45	-	144.61	131.16
	12/3/2012		-	11.20	-	144.61	133.41
	12/13/2014		-	11.47	-	144.61	133.14
	8/31/2015		-	11.15	-	144.61	133.46
	6/1/2016		-	3.97	-	144.61	140.64
	4/4/2017		-	NL	-	144.61	NL
	4/4/2018		-	10.40	-	144.61	134.21
MW-8	9/29/1999	8.29-18.29	-	11.54	-	143.78	132.24
	2/20/2012		-	15.59	-	143.78	128.19
	6/26/2012		-	12.62	-	143.78	131.16
	12/3/2012		-	10.43	-	143.78	133.35
	12/13/2014		-	10.61	-	143.78	133.17
	8/31/2015		-	10.32	-	143.78	133.46
	6/1/2016		-	3.08	-	143.78	140.70
	4/4/2017		-	6.93	-	143.78	136.85
	4/4/2018		-	9.41	-	143.78	134.37
MW-9	9/29/1999	8.33-18.33	-	12.08	-	NA	NA
	2/20/2012		-	NL	-	NL	NL
	6/26/2012		-	NL	-	NL	NL
	12/3/2012		-	NL	-	NL	NL
	12/13/2014		-	NL	-	NL	NL
	8/31/2015		-	NL	-	NL	NL
	6/1/2016		-	NL	-	NL	NL
	4/4/2017		-	NL	-	NL	NL
	4/4/2018		-	NL	-	NL	NL
MW-10	9/29/1999	TD: 18.25	-	NA	-	143.84	NA
	2/20/2012		-	15.65	-	143.84	128.19
	6/26/2012		-	12.41	-	143.84	131.43
	12/3/2012		-	NL	-	143.84	NL
	12/13/2014		-	NL	-	143.84	NL
	8/31/2015		-	NL	-	143.84	NL
	6/1/2016		-	NL	-	143.84	NL
	4/4/2017		-	NL	-	143.84	NL
	4/4/2018		-	NL	-	143.84	NL
MW-10R	12/3/2014	TD:11.61	-	10.50	-	143.81	133.31
	12/13/2014		-	10.62	-	143.81	133.19
	8/31/2015		-	10.29	-	143.81	133.52
	6/1/2016		-	NL	-	143.81	NL
	4/4/2017		-	NL	-	143.81	NL
	4/4/2018		-	NL	-	143.81	NL
MW-10RR	4/4/2018	7.00-17.00	-	9.91	-	144.36	134.45
MW-11	9/29/1999	8.42-18.42	-	12.75	-	145.68	132.93
	2/20/2012		-	17.85	-	145.68	127.83
	6/26/2012		-	14.39	-	145.68	131.29
	12/3/2014		-	12.64	-	145.68	133.04
	12/13/2014		-	12.70	-	145.68	132.98
	8/31/2015		-	13.69	-	145.68	131.99
	6/1/2016		-	5.36	-	145.68	140.32
	4/4/2017		-	9.38	-	145.68	136.30
	4/4/2018		-	11.62	-	145.68	134.06

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COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6276
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-14	9/29/1999	8.29-18.29	-	11.87	-	144.36	132.49
	2/20/2012		-	16.35	-	144.36	128.01
	6/26/2012		-	NL	-	144.36	NL
	12/3/2012		-	NL	-	144.36	NL
	12/13/2014		-	11.39	-	144.36	132.97
	8/31/2015		-	13.11	-	144.36	131.25
	6/1/2016		-	3.43	-	144.36	140.93
	4/4/2017		-	7.25	-	144.36	137.11
	4/4/2018		-	NL	-	144.36	NL
MW-15	6/26/2012	10-20	-	12.78	-	143.54	130.76
	12/3/2014		-	10.46	-	143.54	133.08
	12/13/2014		-	10.62	-	143.54	132.92
	8/31/2015		-	12.32	-	143.54	131.22
	6/1/2016		-	3.00	-	143.54	140.54
	4/4/2017		-	8.06	-	143.54	135.48
	4/4/2018		-	10.37	-	143.54	133.17
MW-16	6/26/2012	11-21	-	13.43	-	144.33	130.90
	12/3/2014		-	11.18	-	144.33	133.15
	12/13/2014		-	11.42	-	144.33	132.91
	8/31/2015		-	14.48	-	144.33	129.85
	6/1/2016		-	NL	-	144.33	NL
	4/4/2017		-	7.51	-	144.33	136.82
	3/29/2018		-	NL	-	144.33	NL
MW-17	6/26/2012	11-21	-	13.96	-	145.08	131.12
	12/3/2014		-	11.92	-	145.08	133.16
	12/13/2014		-	12.10	-	145.08	132.98
	8/31/2015		-	11.72	-	145.08	133.36
	6/1/2016		-	4.54	-	145.08	140.54
	4/4/2017		-	8.46	-	145.08	136.62
	3/29/2018		-	10.69	-	145.08	134.39
MW-18	6/26/2012	11-21	-	14.44	-	145.79	131.35
	12/3/2014		-	12.42	-	145.79	133.37
	12/13/2014		-	12.60	-	145.79	133.19
	8/31/2015		-	12.28	-	145.79	133.51
	6/1/2016		-	4.93	-	145.79	140.86
	4/4/2017		-	9.11	-	145.79	136.68
	4/4/2018		-	11.45	-	145.79	134.34
MW-19	12/3/2014	2.12-12.12	-	9.79	-	143.67	133.88
	12/13/2014		-	10.66	-	143.67	133.01
	8/31/2015		-	10.74	-	143.67	132.93
	6/1/2016		-	3.13	-	143.67	140.54
	4/4/2017		-	6.68	-	143.67	136.99
	4/4/2018		-	14.85	-	148.42	133.57
MW-20	12/3/2014	4.50-14.50	-	10.97	-	143.93	132.96
	12/13/2014		-	11.17	-	143.93	132.76
	8/31/2015		-	11.80	-	143.93	132.13
	6/1/2016		-	NL	-	143.93	NL
	4/4/2017		-	NL	-	143.93	NL
	4/4/2018		-	14.26	-	148.46	134.20
MW-21	12/3/2014	2.75-12.75	-	10.38	-	143.25	132.87
	12/13/2014		-	10.60	-	143.25	132.65
	8/31/2015		-	10.91	-	143.25	132.34
	6/1/2016		-	2.63	-	143.25	140.62
	4/4/2017		-	6.34	-	143.25	136.91
	3/29/2018		-	NL	-	143.25	NL
MW-22	12/3/2014	5.09-15.09	-	9.92	-	145.03	135.11
	12/13/2014		-	12.16	-	145.03	132.87
	8/31/2015		-	11.53	-	145.03	133.50
	6/1/2016		-	4.31	-	145.03	140.72
	4/4/2017		-	7.54	-	145.03	137.49
	4/4/2018		-	NL	-	145.03	NL

TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MCI PROJECT NUMBER 18-6276
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-22D	12/3/2014	39.23-44.23	-	13.83	-	144.89	131.06
	12/13/2014		-	13.82	-	144.89	131.07
	8/31/2015		-	13.78	-	144.89	131.11
	6/1/2016		-	6.32	-	144.89	138.57
	4/4/2017		-	10.26	-	144.89	134.63
	4/4/2018		-	NL	-	144.89	NL
MW-23	12/3/2014	1.61-11.61	-	11.90	-	143.63	131.73
	12/13/2014		-	10.77	-	143.63	132.86
	8/31/2015		-	15.00	-	143.63	128.63
	6/1/2016		-	3.22	-	143.63	140.41
	4/4/2017		-	6.79	-	143.63	136.84
	3/29/2018		-	9.62	-	143.63	134.01
MW-24	12/3/2014	8.42-18.42	-	10.81	-	143.78	132.97
	12/13/2014		-	11.03	-	143.78	132.75
	8/31/2015		-	DRY	-	143.78	DRY
	6/1/2016		-	3.30	-	143.78	140.48
	4/4/2017		-	6.60	-	143.78	137.18
	3/29/2018		-	9.39	-	143.78	134.39
MW-25	12/3/2014	8.29-18.29	-	10.66	-	144.04	133.38
	12/13/2014		-	11.08	-	144.04	132.96
	8/31/2015		-	DRY	-	144.04	DRY
	6/1/2016		-	3.40	-	144.04	140.64
	4/4/2017		-	7.32	-	144.04	136.72
	3/29/2018		-	10.05	-	144.04	133.99
MW-26	12/3/2014	10-20	-	11.84	-	144.96	133.12
	12/13/2014		-	12.09	-	144.96	132.87
	8/31/2015		-	14.27	-	144.96	130.69
	6/1/2016		-	4.51	-	144.96	140.45
	4/4/2017		-	8.34	-	144.96	136.62
	3/29/2018		-	10.66	-	144.96	134.30
MW-27	12/3/2014	11-21	-	11.37	-	144.77	133.40
	12/13/2014		-	11.50	-	144.77	133.27
	8/31/2015		-	14.31	-	144.77	130.46
	6/1/2016		-	3.96	-	144.77	140.81
	4/4/2017		-	8.32	-	144.77	136.45
	4/4/2018		-	11.27	-	144.77	133.50
MW-28	12/3/2014	11-21	-	9.97	-	142.71	132.74
	12/13/2014		-	10.10	-	142.71	132.61
	8/31/2015		-	10.59	-	142.71	132.12
	6/1/2016		-	NL	-	142.71	NL
	4/4/2017		-	NL	-	142.71	NL
	4/4/2018		-	13.08	-	147.16	134.08
TW-1	9/29/1999	31-36	-	12.79	-	145.77	132.98
	2/20/2012		-	17.75	-	145.77	128.02
	6/26/2012		-	14.65	-	145.77	131.12
	12/3/2014		-	NL	-	145.77	NL
	12/13/2014		-	12.69	-	145.77	133.08
	8/31/2015		-	12.26	-	145.77	133.51
	6/1/2016		-	NL	-	145.77	NL
	4/4/2017		-	9.24	-	145.77	136.53
	4/4/2018		-	11.53	-	145.77	134.24
TW-2	6/26/2012	31-36	-	13.95	-	143.98	130.03
	12/3/2014		-	10.79	-	143.98	133.19
	12/13/2014		-	11.93	-	143.98	132.05
	8/31/2015		-	11.63	-	143.98	132.35
	6/1/2016		-	3.35	-	143.98	140.63
	4/4/2017		-	7.21	-	143.98	136.77
	4/4/2018		-	10.05	-	143.98	133.93

Notes:

- Well Head elevations obtained from SCDHEC Files.
- Groundwater depths were measured from the top of the PVC riser pipe.
- Groundwater elevations corrected for the presence of free product using a specific gravity of 0.85.
- NL = Not Located
- NA = Information not available
- DRY = Well Gauged DRY
- Monitoring wells MW-17, MW-24, MW-25, and MW-26 were abandoned on 3/29/18.

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6276
SCDHEC ID NUMBER 03538

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05	RBSL 0.015	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47
IGWA	09/29/99	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/03/14	1,300	6,000	630	11,000	310.0	<40	<15	2.0	65	790J	<20	<100	<670	<100	<40	<3300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	1,730	7,710	933	11,500	566	<100	<100	0.26	NT	2,740	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	06/01/16	976	6,630	646	8,210	197J	<200	<200	0.28	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	04/04/17	533	4,630	895	9,090	<125	<125	<125	0.51	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
IGWA-R	04/04/18	532	2,990	306	8,440	337	<200	<200	0.84	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	06/26/12	130	790	980	980	160	<25	<25	0.71	9.0J	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	2,000	9,400	1,800	7,000	530	<40	<15	3.2	51	<2,500	<20	<2,500	<670	<100	<40	<3,300	<250
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/01/16	405	3,450	1,590	5,790	426	<125	<125	0.39	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/04/17	906	6,540	2,260	8,480	623	<250	<250	0.93	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	04/04/18	932	6,290	2,300	8,170	590	<250	<250	0.74	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-1	09/29/99	19,900	26,000	2,040	12,080	592	7,400	NT	111	609	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/03/14	17,000	27,000	1,500	15,000	820	250J	<74	210	630	8,800J	<100	<500	<3,400	<500	<200	<17,000	<100
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	4,300	7,020	976	5,230	332	288	21.6J	6.2	NT	4,220	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	06/01/16	14,100	18,100	1,240	18,100	1,130	<1,000	<1,000	10.2	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	04/04/17	13,900	25,400	1,070	15,700	1,000	<1,000	<1,000	20.2	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
MW-2	04/04/18	11,000	18,100	1,010	17,200	1,210	<1,000	<1,000	156	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	09/29/99	18,500	28,300	3,360	15,270	670	19,500	NT	ND	403	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	9,800	17,000	1,300	11,000	370	1,100	240J	65	390	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	4,800	8,200	940	4,500	260	250	<15	28	150	4,200	<20	<100	<670	<100	<40	<3,300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	4,760	7,890	996	5,870	355	317	21.9	8.4	NT	4,600	<50.0	<500	420J	<250	<25.0	<1,000	<50.0
	06/01/16	2,870	3,760	364	2,500	139	281	<125	10.9	NT	2,680	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-3	04/04/17	270	21.3	39.9	49.0	23.6	36.6	<10.0	0.13	NT	259	<20.0	<200	<200	<100	<10.0	<400	<20.0
	04/04/18	4,070	5,900	943	4,400	165J	332	<250	22.2	NT	4,630J	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	09/29/99	6,800	16,900	2,380	14,020	570	31.5	NT	81.1	116	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	06/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/03/14	2,000	10,000	1,600	11,000	780	<40	<15	3.2	100	2,200	<20	<100	<670	<100	<40	<3,300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	4,220	7,460	972	5,810	375	312	19.9J	6.6	NT	5,120	<50.0	<500	431J	<250	<25.0	<1,000	<50.0
MW-4	06/01/16	1,620	11,200	2,020	13,000	996	<500	<500	0.91	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	04/04/17	1,580	10,900	1,810	12,000	810	<500	<500	0.97	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	04/04/18	1,490	9,660	1,910	11,700	884	<500	<500	1.3	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	09/29/99	19,300	34,300	4,630	21,500	800	4,530	NT	ND	113	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	06/26/12	8,500	22,000	21,000	17,000	1,100	<500	<500	14	440	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	3,600	9,100	810	10,000	710	<80	<29	2.20	110	2,800J	<40	<200	<1,300	<200	<80	<6,600	<40
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	08/31/15	4,390	7,900	953	5,940	366	301	19.6J	6.9	NT	5,100	<50.0	<500	439J	<250	<25.0	<1,000	<50.0
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	2,210	3,800	703	5,130	363	<125	<125	1.6	NT	2,760	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/04/18	1,870	4,230	503	4,600	342	<125	<125	1.0	NT	3,230	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	09/29/99	1,590	7,410	1,850	10,320	560	13.1	NT	11.9	43	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	640	5,100	990	5,800	210	<5.0	<5.0	0.45	670	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	06/26/12	810	7,400	1,500	10,000	770	<200	<200	0.86	31	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-5	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/01/16	20.4	88.8	93	147	47.2	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	101	424	1,020	2,940	427	<50.0	<50.0	<0.020	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	04/04/18	196	684	1,130	2,520	299	<50.0	<50.0	<0.020	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6276
SCDHEC ID NUMBER 03538

Well Number	Sample Date	Benzene (µg/l) <i>RBSL 5</i>	Toluene (µg/l) <i>RBSL 1,000</i>	Ethylbenzene (µg/l) <i>RBSL 700</i>	Total Xylenes (µg/l) <i>RBSL 10,000</i>	Naphthalene (µg/l) <i>RBSL 25</i>	MTBE (µg/l) <i>RBSL 40</i>	1,2 DCA (µg/l) <i>RBSL 5</i>	EDB (µg/l) <i>RBSL 0.05</i>	Lead (µg/l) <i>RBSL 0.015</i>	TAA (µg/l) <i>RBSL 240</i>	TAME (µg/l) <i>RBSL 128</i>	ETBA (µg/l) <i>RBSL NE</i>	TBA (µg/l) <i>RBSL 1,400</i>	TBF (µg/l) <i>RBSL NE</i>	DIPE (µg/l) <i>RBSL 150</i>	Ethanol (µg/l) <i>RBSL 10,000</i>	ETBE (µg/l) <i>RBSL 47</i>
MW-6	09/29/99	ND	5	5.72	25.93	7.8	ND	NT	ND	23	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	9.7J	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2.3J	180	<0.20	<1.0	8.9	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-7	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	09/29/99	ND	5,440	1,750	7,350	530	979	NT	ND	25	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	180	870	740	2,500	210	<5.0	4.1J	<0.020	280	140	<0.20	2.5J	8.9J	<1.0	<0.40	<33	<0.20
	06/26/12	390	3,000	1,700	7,500	600	<200	<200	<0.063	25	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	210	740	1,300.0	3,700	270	<20	<7.4	<0.020	8.1J	<340	<50	<50	<340	<50	<20	<1,700	<10
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	180	475	1,090	2,320	283	<25.0	<25.0	<0.019	NT	647	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	2.1J	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-8	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	3.7J	2.4J	5.3	34.5	5.7	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	09/29/99	ND	65.1	1,110	5,690	410	ND	NT	ND	16	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	<0.20	<1.7	<1.7	3.4J	4.1J	<0.40	<0.30	<0.019	140	72J	<0.20	<1.0	18J	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	29	6.9	<5.0	29	<5.0	<5.0	<0.021	20	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	31	<6.7	<1.0	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-9	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	09/29/99	ND	ND	ND	1.46	ND	ND	NT	ND	12	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/26/12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	09/29/99	ND	4.09	2.63	7.43	ND	14.15	NT	ND	13	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	<0.20	<1.7	<1.7	<1.7	<1.7	<0.40	<0.30	<0.023	2.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	11	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10RR	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.028	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-11	09/29/99	10.1	1.63	19.90	11.18	15.2	ND	NT	ND	120	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-11	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6276
SCDHEC ID NUMBER 03538

Well Number	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAA	TAME	ETBA	TBA	TBF	DIPE	Ethanol	ETBE
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
		RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05	RBSL 0.015	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47
MW-14	09/29/99	591	1,350	640	2,123	8.4	8.68	NT	ND	16	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	530	3,100	1,500	4,400	260	<0.40	10	0.21	5.2	630	<0.20	1.1J	9.5J	<1.0	<10	<33	<0.20
	06/26/12	13	16	73	49	46	<5.0	<5.0	<0.019	3.0J	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NL	NL	NL	NL	NL	NL	NL	NL
	12/12/14	2.8	2.0	5.3	4.9	<5.0	<5.0	<5.0	<0.019	NT	7.9	<1.0	<0.20	<6.7	<1.0	<0.40	<33	<0.20
	08/31/15	3.4J	<5.0	10.9	<10.0	8.4	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
MW-15	06/26/12	92	280	140	380	1.3	<25	<5.0	0.05	8.6J	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/26/12	180	580	83	380	39	5.4J	<25	0.59	16	NT	NT	NT	NT	NT	NT	NT	NT
12/03/14	1.3	0.62J	<0.33	0.68J	<0.40	1.1	<0.15	0.031	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20	
12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/31/15	759	138	286	211	70.1	10.5	1.8J	<0.020	NT	678	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03/29/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-17	06/26/12	880	1,500	1,500	5,700	980	20J	<100	2.8	35	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	230	600	1,000	5,000	340	<20	<7.4	0.7	31	<340	<10	<50	<340	<50	<20	<1700	<10
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	5,020	8,730	1,200	6,430	391	331	20.5J	9.5	NT	4,930	<50.0	<500	421J	<250	<25.0	<1,000	<50.0
	06/01/16	2,680	5,400	1,780	5,890	506	<200	<200	4.7	NT	<4,000	<10	<4,000	<100	<50.0	<200	<8,000	<400
	04/04/17	91.4	11.9	17.3	131	22.8	<5.0	<5.0	0.11	NT	96.7J	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	03/29/18	1,720	2,700	1,020	5,830	449	81.5J	<125	5.1	NT	3,590	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	11	NT	NT	NT	NT	NT	NT	NT	NT
12/03/14	<0.13	<0.33	0.40J	80	21	<0.40	<0.15	<0.019	<1.9	<6.7	<0.20	<1.0	12J	<1.0	<0.40	<33	<0.20	
12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/31/15	2,720	14,500	2,050	14,700	2,450	<1,000	<1,000	4.3	NT	25,200	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000	
06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-19	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS													

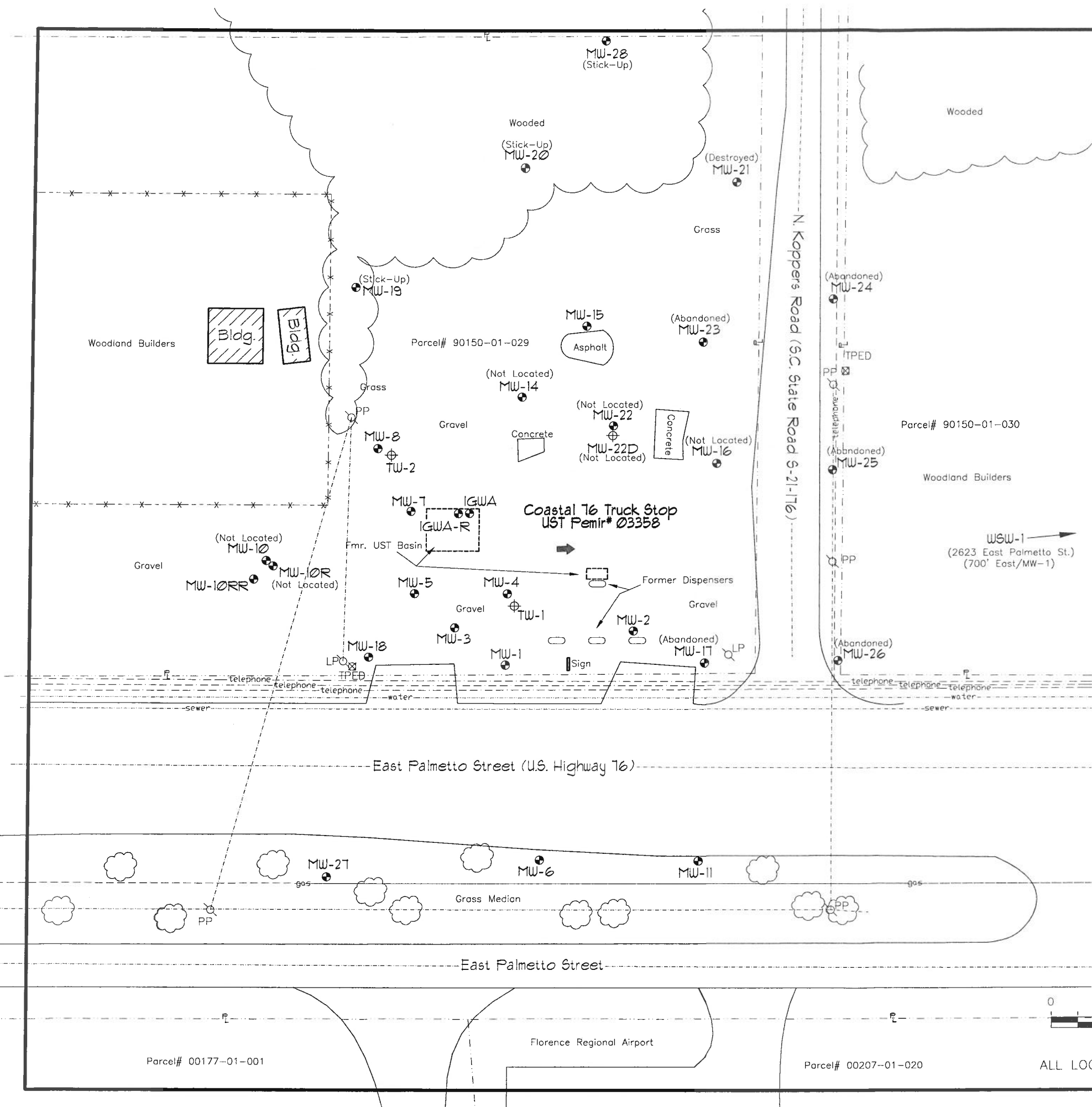
TABLE 4
AQUIFER CHARACTERISTICS
APRIL 4, 2018, SLUG TEST EVENT
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 18-6276
SCDHEC SITE ID NUMBER 03538

VELOCITY CALCULATION	Hydraulic Conductivity (K) (centimeters/second)	Hydraulic Conductivity (K) (feet/day)	Hydraulic Conductivity (K) (feet/year)	Hydraulic Gradient (i) (unitless)	Effective Porosity (ne) (unitless)	Groundwater Velocity (V) (feet/day)	Groundwater Velocity (V) (feet/year)	Groundwater Velocity (V) (meters/second)
MW-4	1.81E-04	5.13E-01	1.87E+02	1.43E-03	0.20	3.66E-03	1.34	1.29E-08
MW-8	5.08E-04	1.44E+00	5.26E+02	1.43E-03	0.20	1.03E-02	3.75	3.63E-08
TW-1	1.79E-04	5.07E-01	1.85E+02	3.37E-03	0.20	8.55E-03	3.12	3.02E-08
Mathematical Mean	2.89E-04	8.20E-01	2.99E+02	2.08E-03	0.20	7.50E-03	2.74	2.65E-08

Notes:

1. Groundwater velocity derived from the equation $V = Ki/n$.
2. An effective porosity value of 0.20 was estimated for the shallow and deep wells screened in Fine SAND and was estimated based on published values of effective porosity for Fine SAND (After Walton, 1988 and Domenico and Schwartz, 1999) which ranged from 0.10 to 0.30 with an arithmetic mean of 0.20)
3. Hydraulic gradient for the shallow aquifer was calculated based on groundwater elevations from and distances between monitoring wells MW-2/MW-8.
4. Hydraulic gradient for the deep aquifer was calculated based on groundwater elevations from and distances between monitoring wells TW-1/TW-2.

FIGURES



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- Buried Gas Line
- Buried Water Line
- Buried Sewer
- Buried Telephone
- Fence

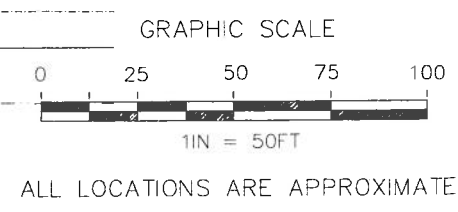
Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands Environmental Consultants, Inc.

JOB NO. 18-6276
 DATE April 30, 2018
 FIGURE 2



Notes: Groundwater samples collected on 3/29/18, 4/4/18 & 4/18/18.
Isopleth Interval = 3,000 ug/l
BDL = Below Detection Limits
Isopleths Computer Generated using Surfer by Golden
Graphics and Modified by MEC Personnel.
NL= Not Located
"Deep" wells not used in Isopleth Creation

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks

Benzene Concentration Isopleth (ug/l)

Groundwater COC Concentration Data									
Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	1,2 DCA (ug/l)	EDB (ug/l)	
IGWA	532	2,990	306	8,400	337	<200	<200	0.84	
IGWA-R	932	6,290	2,300	8,170	590	<250	<250	0.74	
MW-1	11,000	18,100	1,010	17,200	1,210	<1,000	<1,000	156	
MW-2	4,070	5,900	943	4,400	332	<250	<250	22.2	
MW-3	1,490	9,660	1,910	11,700	884	<500	<500	1.3	
MW-4	1,870	4,230	503	4,600	342	<125	<125	1.0	
MW-5	196	684	1,130	2,520	299	<50.0	<50.0	<0.020	
MW-6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-7	3.7J	2.4J	5.3	34.5	5.7	<5.0	<5.0	<0.020	
MW-8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-9	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10RR	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.028	
MW-11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-14	NL	NL	NL	NL	NL	NL	NL	NL	
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-16	NL	NL	NL	NL	NL	NL	NL	NL	
MW-17	1,720	2,700	1,020	5,830	449	81.5J	<125	5.1	
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-21	NL	NL	NL	NL	NL	NL	NL	NL	
MW-22	NL	NL	NL	NL	NL	NL	NL	NL	
MW-22D	NL	NL	NL	NL	NL	NL	NL	NL	
MW-23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
TW-1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
TW-2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
WSW-1	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.021	
WSW-1*	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	NT	NT	
DUP-1(MW-17)	1,290	1,590	677	4,050	352	66.9	<50.0	4.3	
DUP-1(IGWA)	562	3,030	296	7,870	350	<200	<200	0.77	
DUP(WSW-1)	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	<0.021	
DUP(WSW-1)*	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	NT	NT	
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
Field Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	
Field Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	
Trip Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	
Trip Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	

Drawing Based on MECI Field Notes, Tax Maps
and a RLS Survey of the Site by
Jay S. Joshi dated June 25, 2012.

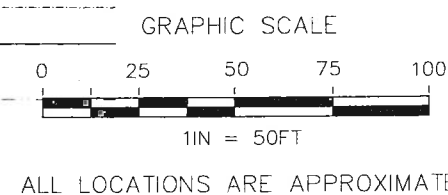
Groundwater CoC Site Map (Benzene Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

JOB NO. 18-6276
DATE April 30, 2018
FIGURE

4



Notes:

Groundwater samples collected on 3/29/18, 4/4/18 & 4/18/18.

Isopleth Interval = 300 ug/l

BDL = Below Detection Limits

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

NL= Not Located

"Deep" wells not used in Isopleth Creation

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks

Naphthalene Concentration Isopleth (ug/l)

Groundwater CoC Concentration Data									
Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	1,2 DCA (ug/l)	EDB (ug/l)	
IGWA	532	2,990	306	8,400	337	<200	<200	0.84	
IGWA-R	932	6,290	2,300	8,170	590	<250	<250	0.74	
MW-1	11,000	18,100	1,010	17,200	1,210	<1,000	<1,000	156	
MW-2	4,070	5,900	943	4,400	332	<250	<250	22.2	
MW-3	1,490	9,660	1,910	11,700	884	<500	<500	1.3	
MW-4	1,870	4,230	503	4,600	342	<125	<125	1.0	
MW-5	196	684	1,130	2,520	299	<50.0	<50.0	<0.020	
MW-6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-7	3.7J	2.4J	5.3	34.5	5.7	<5.0	<5.0	<0.020	
MW-8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-9	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10RR	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.028	
MW-11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-14	NL	NL	NL	NL	NL	NL	NL	NL	
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-16	NL	NL	NL	NL	NL	NL	NL	NL	
MW-17	1,720	2,700	1,020	5,830	449	81.5J	<125	5.1	
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-21	NL	NL	NL	NL	NL	NL	NL	NL	
MW-22	NL	NL	NL	NL	NL	NL	NL	NL	
MW-22D	NL	NL	NL	NL	NL	NL	NL	NL	
MW-23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
TW-1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
TW-2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
WSW-1	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.021	
WSW-1*	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	NT	NT	
DUP-1(MW-17)	1,290	1,590	677	4,050	352	66.9	<50.0	4.3	
DUP-1(IGWA)	562	3,030	296	7,870	350	<200	<200	0.77	
DUP(WSW-1)	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	<0.021	
DUP(WSW-1)*	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	NT	NT	
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
Field Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	
Field Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	
Trip Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	
Trip Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

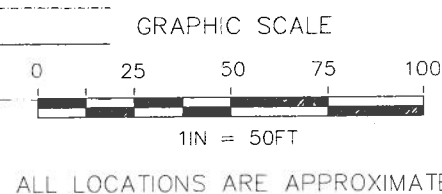
Groundwater CoC Site Map
(Naphthalene Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

JOB NO. 18-6276
DATE April 30, 2018
FIGURE

4A



Notes: Groundwater samples collected on 3/29/18, 4/4/18 & 4/18/18.
Isopleth Interval = 40 ug/l
BDL = Below Detection Limits
Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECK Personnel.
NL= Not Located
"Deep" wells not used in Isopleth Creation

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks

EDB Concentration Isopleth (ug/l)

Groundwater COC Concentration Data									
Sample #	Benzene (ug/l)	Toluene (ug/l)	Ethylbenzene (ug/l)	Total Xylenes (ug/l)	Naphthalene (ug/l)	MTBE (ug/l)	1,2 DCA (ug/l)	EDB (ug/l)	
IGWA	532	2,990	306	8,400	337	<200	<200	0.84	
IGWA-R	932	6,290	2,300	8,170	590	<250	<250	0.74	
MW-1	11,000	18,100	1,010	17,200	1,210	<1,000	<1,000	156	
MW-2	4,070	5,900	943	4,400	165J	<250	<250	22.2	
MW-3	1,490	9,660	1,910	11,700	884	<500	<500	1.3	
MW-4	1,870	4,230	503	4,600	342	<125	<125	1.0	
MW-5	196	684	1,130	2,520	299	<50.0	<50.0	<0.020	
MW-6	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-7	3.7J	2.4J	5.3	34.5	5.7	<5.0	<5.0	<0.020	
MW-8	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-9	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10RR	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.028	
MW-11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-14	NL	NL	NL	NL	NL	NL	NL	NL	
MW-15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-16	NL	NL	NL	NL	NL	NL	NL	NL	
MW-17	1,720	2,700	1,020	5,830	449	81.5J	<125	5.1	
MW-18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-21	NL	NL	NL	NL	NL	NL	NL	NL	
MW-22	NL	NL	NL	NL	NL	NL	NL	NL	
MW-22D	NL	NL	NL	NL	NL	NL	NL	NL	
MW-23	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-24	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-25	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
MW-26	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
MW-28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
TW-1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
TW-2	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
WSW-1	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.021	
WSW-1*	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	NT	NT	
DUP-1(MW-17)	1,290	1,590	677	4,050	352	66.9	<50.0	4.3	
DUP-1(IGWA)	562	3,030	296	7,870	350	<200	<200	0.77	
DUP(WSW-1)	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	<0.021	
DUP(WSW-1)*	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	NT	NT	
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
Field Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
Field Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020	
Field Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	
Trip Blank	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT	
Trip Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	
Trip Blank	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	NT	

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

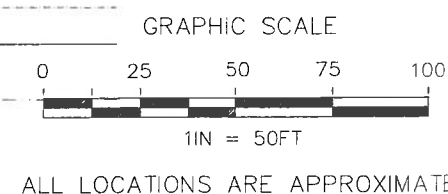
Groundwater CoC Site Map (EDB Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

JOB NO. 18-6276
DATE April 30, 2018
FIGURE

4B



Notes: Groundwater samples collected on 3/29/18 & 4/4/2018.
NL= Not Located
DIPE = Diisopropyl Ether
ETBE = Ethyl tert-butyl Ether
TAA = tert-Amyl Alcohol
TAME = tert-Amyl Methyl Ether
TBA = tert-Butyl Alcohol
TBF = tert-Butyl Formate

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks

Groundwater COC Concentration Data - Oxygenates								
Sample #	TAA (ug/l)	TAME (ug/l)	ETBA (ug/l)	TBA (ug/l)	TBF (ug/l)	DIPE (ug/l)	Ethanol (ug/l)	ETBE (ug/l)
IGWA	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
IGWA-R	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-1	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
MW-2	4,630J	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-3	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-4	3,230	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-5	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-6	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-7	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-8	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-9	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	NL	NL	NL	NL	NL	NL	NL	NL
MW-10R	NL	NL	NL	NL	NL	NL	NL	NL
MW-10RR	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-11	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-14	NL	NL	NL	NL	NL	NL	NL	NL
MW-15	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-16	NL	NL	NL	NL	NL	NL	NL	NL
MW-17	3,590	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-18	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-19	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-20	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-21	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	NL	NL	NL	NL	NL	NL	NL	NL
MW-22D	NL	NL	NL	NL	NL	NL	NL	NL
MW-23	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-24	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-25	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-26	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-27	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-28	NL	NL	NL	NL	NL	NL	NL	NL
TW-1	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TW-2	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
WSW-1	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
WSW-1*	NT	NT	NT	NT	NT	NT	NT	NT
DUP-1(MW-17)	1,850	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
DUP-1(IGWA)	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
DUP(WSW-1)	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
DUP(WSW-1)*	NT	NT	NT	NT	NT	NT	NT	NT
Field Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Field Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Field Blank	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
Field Blank	NT	NT	NT	NT	NT	NT	NT	NT
Trip Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Trip Blank	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
Trip Blank	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
Trip Blank	NT	NT	NT	NT	NT	NT	NT	NT

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

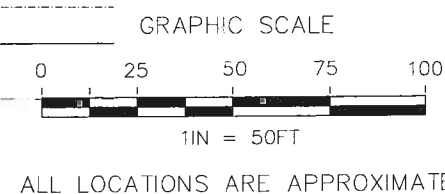
Groundwater CoC Site Map (Oxygenates)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

JOB NO. 18-6276
DATE April 30, 2018
FIGURE

4C



Notes: Depth to groundwater measured on 3/29/18 & 4/4/2018
Contour Interval = 0.15 Feet
NL = Not Located
Monitoring well MW-5, MW-14, MW-15, MW-16, MW-17, MW-19, MW-21, MW-22, MW-23, MW-24, MW-25, MW-26, MW-27, TW-1 and TW-2 not used in contouring.
Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Groundwater Elevation Contour (feet)

Potentiometric Data

Well #	Screened Interval (ft)	Depth to Water (ft)	Well Head Elevation	Groundwater Elevation
IGWA	TD: 16.74	11.10	145.19	134.09
IGWA-R	11.00-21.00	11.09	145.14	134.05
MW-1	TD: 17.80	11.62	145.87	134.25
MW-2	TD: 18.30	11.00	145.19	134.19
MW-3	TD: 18.20	11.30	145.51	134.21
MW-4	TD: 18.35	11.27	145.56	134.29
MW-5	8.29-18.29	10.34	145.11	134.77
MW-6	8.29-18.29	11.84	146.04	134.20
MW-7	8.38-18.38	10.40	144.61	134.21
MW-8	8.29-18.29	9.41	143.78	134.37
MW-9	8.33-18.33	NL	NA	NL
MW-10	TD: 18.25	NL	143.84	NL
MW-10R	TD: 11.61	NL	143.81	NL
MW-10RR	7.0-17.0	9.91	144.36	134.45
MW-11	8.42-18.42	11.62	145.68	134.06
MW-14	8.29-18.29	NL	144.36	NL
MW-15	10.00-20.00	10.37	143.54	133.17
MW-16	11.00-21.00	NL	144.33	NL
MW-17	11.00-21.00	10.69	145.08	134.39
MW-18	11.00-21.00	11.45	145.79	134.34
MW-19	2.12-12.12	14.85	143.67	133.57
MW-20	4.50-14.50	14.26	148.46	134.20
MW-21	2.75-12.75	NL	143.25	NL
MW-22	5.09-15.09	NL	145.03	NL
MW-22D	39.23-44.23	NL	144.89	NL
MW-23	1.61-11.61	9.62	143.63	134.01
MW-24	8.42-18.42	9.39	143.78	134.39
MW-25	8.29-18.29	10.05	144.04	133.99
MW-26	10.00-20.00	10.66	144.96	134.30
MW-27	11.00-21.00	11.27	144.77	133.50
MW-28	11.00-21.00	13.08	147.16	134.08
TW-1	31.00-36.00	11.53	145.77	134.24
TW-2	31.00-36.00	10.05	143.98	133.93

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

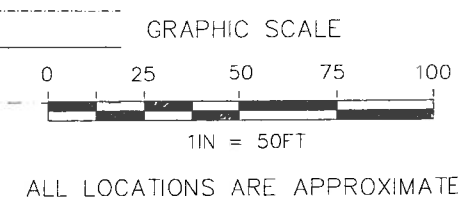
Potentiometric Data Site Map (Groundwater Contour)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

JOB NO. 18-6276
DATE April 30, 2018
FIGURE

5



APPENDIX A:
SITE SURVEY
(Not Applicable)

APPENDIX B:

SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

Monitoring Well Purge And Sampling Data

8.50

Field Personnel:

Sampling Date(s):

Sampling Case#:

Job Name:

Job Number:

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes	
								product	Initial H ₂ O	final H ₂ O			**calc.	actual		
MW-16	Initial		Not located Metal detector used Destroyed or buried by dirt pile								11-21	—	—	—	No Sample	
	1st															
	2nd															
	3rd															
	4th															
	5th															
MW-17	Initial	10:35	5.64	19.7	19.7	1.03	27.68				10.67	11-21	10.31	1.68	8.5	Slight Odor Dup 1
	1st	10:36	5.67	19.6	19.6	1.00	27.53									
	2nd	10:38	5.68	19.4	19.4	0.97	33.81									
	3rd	10:39	5.70	19.1	20.1	0.94	42.50									
	4th	10:40	5.73	19.0	20.2	0.81	47.63									
	5th	10:42	5.77	19.1	20.4	0.75	59.14									
	Sampling															
MW-21	Initial		Not located Possibly destroyed								2.75-12.75	—	—	—	No Sample	
	1st															
	2nd															
	3rd															
	4th															
	5th															
MW-23	Initial	10:48	5.96	20.0	12.1	5.85	43.96				9.62	11.61	—	—	No Purge No Odor	
	1st															
	2nd															
	3rd															
	4th															
	5th															
	Sampling															

*= (Depth of Well) - (Depth to Water = Water Height
One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.480 for 6"

**= One Well Volume x 5 = Gallons Purged (calculated)

*= (Depth of Well) - (Depth to Water) = Water Height

One Well Volume = x.047 for 1" wells, x.163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Monitoring Well Purge And Sampling Data

Field Personnel:

Sampling Date(s):

Sampling Case#:

Job Name:

Job Number:

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-24	Initial	10:15	6.38	55.3	18.0	4.42	29.14				8.42				No Purge No Odor
	1st								9.39		18.42	—	—	—	
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-25	Initial	10:25	5.69	62.0	18.7	4.67	51.32				8.29				No Purge No Odor
	1st								10.05		18.25	—	—	—	
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-26	Initial	10:30	5.51	51.3	19.3	4.78	47.91				10.20				No Purge No Odor
	1st								10.66			—	—	—	
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Dupl	Initial	MW-17 @ 10:44													
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Monitoring Well Purge And Sampling Data

Field Personnel:

Sampling Date(s):

Sampling Case#:

Job Name:

Job Number:

Calibration Data for:

Calibration Successful? (Yes or No (Please Circle))

pH:

Conductivity:

Dissolved Oxygen:

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
Blanks	Initial	Field Blank 10:52													
	1st	Trip Blank 10:54													
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height
One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells. 1.469 for 6" wells.

**= One Well Volume x 5 = Gallons Purged (calculated)

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251

Monitoring Well Purge And Sampling Data

17.50

Field Personnel: BG, JF
Sampling Date(s): 4/4/18
Sampling Case#: 2

Job Name: Coast 176 Truck Stop
Job Number: 18-6276

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-1	Initial	11:13	7.28	110.6	20.0	2.40	26.51								
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-2	Initial	11:35	6.05	161.3	20.1	4.06	76.11								
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-3	Initial	11:20	6.00	156.6	20.4	4.46	11.03								
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-4	Initial	11:08	5.56	191.7	19.6	2.63	15.04								
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

* = (Depth of Well) - (Depth to Water) = Water Height
One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

** = One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

MW's 14, 22, & 22D were not located during sampling activities. All other wells not sampled were abandoned on 3/29/18.

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: BG, JF
Sampling Date(s): 4/4/18
Sampling Case#: 2

Job Name: Const 176 Truck Stop
Job Number: 18-6276

Calibration Data for :
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-5	Initial	10:40	5.67	171.6	19.3	2.06	14.25				10.34	8.29-18.29			No purge odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-6	Initial	9:00	7.37	72.5	19.9	4.52	64.11				11.84	8.29-18.29			No purge No odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-7	Initial	10:05	5.84	140.2	18.0	2.74	46.30				10.40	8.38-18.38			No purge No odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-8	Initial	9:59	7.60	74.1	18.3	3.20	18.91				9.41	8.29-18.29			No purge No odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height
One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: BG, JF

Sampling Date(s): 4/4/18

Sampling Case#: 2

Job Name: Coast 176 Truck Stop

Job Number: 18-6276

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-10RR	Initial	10:45	5.93	122.2	18.4	6.95	10.06				7-17				
	1st	10:46	6.14	128.6	18.0	5.91	24.41								
	2nd	10:47	6.32	131.4	17.8	5.32	189.61								
	3rd	10:48	6.47	132.6	17.6	5.04	249.4								
	4th														
	5th														
	Sampling	11:00	6.40	133.2	17.5	5.19	33.26				16.68	6.77	1.10	3.50	No odor recently Purged installed well
MW-11	Initial	9:08	6.16	36.3	19.1	3.87	22.44				8.42-18.42				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														No purge No odor
MW-15	Initial	9:50	6.21	82.3	19.7	5.37	18.89				10-37				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														No purge No odor
MW-18	Initial	10:34	5.84	63.2	19.4	4.31	10.11				11-45				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														No purge No odor

*= (Depth of Well) - (Depth to Water) = Water Height
One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel:

BG, JF

Sampling Date(s):

4/4/18

Sampling Case#:

2

Job Name:

Coast 176 Truck Stop

Job Number:

18-6276

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(l)	cond(l)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-19	Initial	9:16	5.93	76.1	19.6	4.04	32.64				2.12 - 12.12				
	1st								14.85						
	2nd								S.u. 4.05						
	3rd														
	4th														
	5th														
	Sampling								10.80						No purge No odor
MW-20	Initial	9:22	6.14	58.7	19.9	3.22	54.08				4.50 - 14.50				
	1st								14.26						
	2nd								S.u. 4.0						
	3rd								10.26						
	4th														
	5th														
	Sampling														No purge No odor
MW-27	Initial	9:04	6.37	36.8	19.1	4.03	16.22				11-21				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling								11.27						No purge No odor
MW-28	Initial	9:36	6.45	66.1	19.4	4.81	25.43				11-21				
	1st	9:39	6.02	68.3	19.2	4.26	157.8								
	2nd														
	3rd								13.08						
	4th								S.H. 3.90						
	5th								9.18						
	Sampling	9:45	5.93	69.7	19.0	4.06	29.16					1.93			No purge No odor
												9.63			dry 2.50

* = (Depth of Well) - (Depth to Water) = Water Height
One Well Volume = x.047 for 1" wells, .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

** = One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: BG, JF

Sampling Date(s): 4/4/18

Sampling Case#: 2

Job Name: Coast 176 Truck Stop

Job Number: 18-6276

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No

Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
IGWA	Initial	10:24	6.28	126.7	18.4	2.47	44.06								
	1st														
	2nd														
	3rd														
	4th														
	5th														
IGWA-R	Initial	10:20	6.08	208.7	18.3	2.24	16.20								
	1st														
	2nd														
	3rd														
	4th														
	5th														
TW-1	Initial	11:05	5.54	42.5	19.9	5.27	16.00								
	1st	11:09	5.21	48.6	19.3	5.01	156.1								
	2nd														
	3rd														
	4th														
	5th														
TW-2	Initial	9:55	6.02	40.2	19.0	5.95	11.21								
	1st	9:59	6.18	48.7	18.4	5.66	88.92								
	2nd														
	3rd														
	4th														
	5th														
TW-2	Initial	10:13	6.26	56.4	18.1	5.32	27.33								
	1st														
	2nd														
	3rd														
	4th														
	5th														

*= (Depth of Well) - (Depth to Water) = Water Height
One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel:

BG, JF

Sampling Date(s):

4/4/18

Sampling Case#:

2

Job Name:

Coastal 76 Truck Stop

Job Number:

18-6276

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)

pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
Dups & Blanks	Initial														
	1st	Dup-1 (IGWA)													
	2nd														
	3rd	Dup-2													
	4th														
	5th	F.B. @ 11:40													
	Sampling				T.B. @ 11:42										
	Initial														
	1st														
	2nd														
	3rd														
	4th														
WSW-1	5th														
	Sampling														
	Initial														
	1st														
	2nd	2623 E. Palmetto St. @ 14:00													
	3rd														
	4th	Dup @ 14:01													
	5th														
	Sampling														
	Initial	F.B. @ 14:15													
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														

*= (Depth of Well) - (Depth to Water = Water Height
One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PI/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: TE

Sampling Date(s): 4-18-18

Sampling Case#: _____

Job Name: Coastal 76

Job Number: 18-6276

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: Yes No

Conductivity: Yes No

Dissolved Oxygen: Yes No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

WSW Verification

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	initial H ₂ O	final H ₂ O			**calc.	actual	
WSW-1	Initial														
	1st	2623													
	2nd														
	3rd														
	4th	11:45													
	5th														
DUP	Sampling														
	Initial														
	1st														
	2nd	11:45													
	3rd														
	4th														
FB	5th														
	Sampling														
	Initial														
	1st														
	2nd	11:50													
	3rd														
TB	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd	11:50													

*= (Depth of Well) - (Depth to Water) = Water Height

One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

April 06, 2018

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

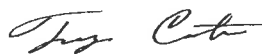
RE: Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on March 30, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Trey Carter
treycarter@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92379011001	MW-17	Water	03/29/18 10:42	03/30/18 11:36
92379011002	MW-23	Water	03/29/18 10:48	03/30/18 11:36
92379011003	MW-24	Water	03/29/18 10:15	03/30/18 11:36
92379011004	MW-25	Water	03/29/18 10:25	03/30/18 11:36
92379011005	MW-26	Water	03/29/18 10:30	03/30/18 11:36
92379011006	DUP1	Water	03/29/18 10:44	03/30/18 11:36
92379011007	FIELD BLANK	Water	03/29/18 10:52	03/30/18 11:36
92379011008	TRIP BLANK	Water	03/29/18 10:54	03/30/18 11:36

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SAMPLE ANALYTE COUNT

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92379011001	MW-17	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379011002	MW-23	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379011003	MW-24	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379011004	MW-25	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379011005	MW-26	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379011006	DUP1	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379011007	FIELD BLANK	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379011008	TRIP BLANK	EPA 8260	GAW	20	PASI-C

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

Sample: MW-17 Lab ID: 92379011001 Collected: 03/29/18 10:42 Received: 03/30/18 11:36 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	5.1	ug/L	0.19	0.19	10	04/04/18 10:34	04/05/18 08:14	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	04/04/18 10:34	04/05/18 08:14	301-79-56	S4
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	3590	ug/L	2500	1920	25		04/06/18 03:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	85.0	25		04/06/18 03:45	994-05-8	
Benzene	1720	ug/L	125	42.5	25		04/06/18 03:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		04/06/18 03:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		04/06/18 03:45	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		04/06/18 03:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		04/06/18 03:45	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		04/06/18 03:45	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		04/06/18 03:45	64-17-5	
Ethylbenzene	1020	ug/L	125	40.0	25		04/06/18 03:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		04/06/18 03:45	637-92-3	
Methyl-tert-butyl ether	81.5J	ug/L	125	42.5	25		04/06/18 03:45	1634-04-4	
Naphthalene	449	ug/L	125	50.0	25		04/06/18 03:45	91-20-3	
Toluene	2700	ug/L	125	40.0	25		04/06/18 03:45	108-88-3	
Xylene (Total)	5830	ug/L	125	125	25		04/06/18 03:45	1330-20-7	
m&p-Xylene	3770	ug/L	250	77.5	25		04/06/18 03:45	179601-23-1	
o-Xylene	2050	ug/L	125	40.0	25		04/06/18 03:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		25		04/06/18 03:45	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		25		04/06/18 03:45	17060-07-0	
Toluene-d8 (S)	99	%	70-130		25		04/06/18 03:45	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

Sample: MW-23

Lab ID: 92379011002

Collected: 03/29/18 10:48

Received: 03/30/18 11:36

Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/02/18 15:39	04/03/18 09:58	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	125	%	60-140		1	04/02/18 15:39	04/03/18 09:58	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/01/18 12:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/01/18 12:23	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/01/18 12:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/01/18 12:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/01/18 12:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/01/18 12:23	762-75-4	L2
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/01/18 12:23	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/01/18 12:23	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/01/18 12:23	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/01/18 12:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/01/18 12:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/01/18 12:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/01/18 12:23	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/01/18 12:23	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/01/18 12:23	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/01/18 12:23	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/01/18 12:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/01/18 12:23	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/01/18 12:23	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/01/18 12:23	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

Sample: MW-24 Lab ID: 92379011003 Collected: 03/29/18 10:15 Received: 03/30/18 11:36 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/02/18 15:39	04/03/18 10:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	147	%	60-140		1	04/02/18 15:39	04/03/18 10:16	301-79-56	S3
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/01/18 12:39	75-85-4	
tert-Amyl methyl ether	ND	ug/L	10.0	3.4	1		04/01/18 12:39	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/01/18 12:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/01/18 12:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/01/18 12:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/01/18 12:39	762-75-4	L2
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/01/18 12:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/01/18 12:39	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/01/18 12:39	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/01/18 12:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/01/18 12:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/01/18 12:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/01/18 12:39	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/01/18 12:39	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/01/18 12:39	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/01/18 12:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/01/18 12:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/01/18 12:39	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/01/18 12:39	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/01/18 12:39	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

Sample: MW-25

Lab ID: 92379011004

Collected: 03/29/18 10:25

Received: 03/30/18 11:36

Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
			Analytical Method: EPA 8011 Preparation Method: EPA 8011						
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/02/18 15:39	04/03/18 10:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	131	%	60-140		1	04/02/18 15:39	04/03/18 10:34	301-79-56	
8260 MSV									
			Analytical Method: EPA 8260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/01/18 12:55	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/01/18 12:55	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/01/18 12:55	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/01/18 12:55	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/01/18 12:55	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/01/18 12:55	762-75-4	L2
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/01/18 12:55	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/01/18 12:55	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/01/18 12:55	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/01/18 12:55	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/01/18 12:55	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/01/18 12:55	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/01/18 12:55	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/01/18 12:55	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/01/18 12:55	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/01/18 12:55	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/01/18 12:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		04/01/18 12:55	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/01/18 12:55	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/01/18 12:55	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

Sample: MW-26		Lab ID: 92379011005		Collected: 03/29/18 10:30		Received: 03/30/18 11:36		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/02/18 15:39	04/03/18 10:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	151	%	60-140		1	04/02/18 15:39	04/03/18 10:53	301-79-56	S3
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/01/18 13:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/01/18 13:11	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/01/18 13:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/01/18 13:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/01/18 13:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/01/18 13:11	762-75-4	L2
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/01/18 13:11	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/01/18 13:11	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/01/18 13:11	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/01/18 13:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/01/18 13:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/01/18 13:11	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/01/18 13:11	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/01/18 13:11	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/01/18 13:11	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/01/18 13:11	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/01/18 13:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/01/18 13:11	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/01/18 13:11	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/01/18 13:11	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

Sample: DUP1		Lab ID: 92379011006		Collected: 03/29/18 10:44		Received: 03/30/18 11:36		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	4.3	ug/L	0.20	0.20	10	04/04/18 10:34	04/05/18 08:32	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	04/04/18 10:34	04/05/18 08:32	301-79-56	S4
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	1850	ug/L	1000	768	10		04/05/18 17:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		04/05/18 17:57	994-05-8	
Benzene	1290	ug/L	50.0	17.0	10		04/05/18 17:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		04/05/18 17:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		04/05/18 17:57	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		04/05/18 17:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		04/05/18 17:57	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		04/05/18 17:57	108-20-3	
Ethanol	ND	ug/L	2000	1310	10		04/05/18 17:57	64-17-5	
Ethylbenzene	677	ug/L	50.0	16.0	10		04/05/18 17:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		04/05/18 17:57	637-92-3	
Methyl-tert-butyl ether	66.9	ug/L	50.0	17.0	10		04/05/18 17:57	1634-04-4	
Naphthalene	352	ug/L	50.0	20.0	10		04/05/18 17:57	91-20-3	
Toluene	1590	ug/L	50.0	16.0	10		04/05/18 17:57	108-88-3	
Xylene (Total)	4050	ug/L	50.0	50.0	10		04/05/18 17:57	1330-20-7	
m&p-Xylene	2600	ug/L	100	31.0	10		04/05/18 17:57	179601-23-1	
o-Xylene	1450	ug/L	50.0	16.0	10		04/05/18 17:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		04/05/18 17:57	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		10		04/05/18 17:57	17060-07-0	
Toluene-d8 (S)	99	%	70-130		10		04/05/18 17:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

Sample: FIELD BLANK		Lab ID: 92379011007		Collected: 03/29/18 10:52		Received: 03/30/18 11:36		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/02/18 15:40	04/03/18 11:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	128	%	60-140		1	04/02/18 15:40	04/03/18 11:29	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/01/18 04:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/01/18 04:51	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/01/18 04:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/01/18 04:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/01/18 04:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/01/18 04:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/01/18 04:51	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/01/18 04:51	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/01/18 04:51	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/01/18 04:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/01/18 04:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/01/18 04:51	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/01/18 04:51	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/01/18 04:51	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/01/18 04:51	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/01/18 04:51	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/01/18 04:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/01/18 04:51	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/01/18 04:51	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/01/18 04:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

Sample: TRIP BLANK

Lab ID: 92379011008

Collected: 03/29/18 10:54

Received: 03/30/18 11:36

Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/01/18 05:07	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/01/18 05:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/01/18 05:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/01/18 05:07	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/01/18 05:07	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/01/18 05:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/01/18 05:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/01/18 05:07	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/01/18 05:07	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/01/18 05:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/01/18 05:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/01/18 05:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/01/18 05:07	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/01/18 05:07	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/01/18 05:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/01/18 05:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/01/18 05:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/01/18 05:07	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/01/18 05:07	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/01/18 05:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

QC Batch: 404378 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379011007, 92379011008

METHOD BLANK: 2243453 Matrix: Water

Associated Lab Samples: 92379011007, 92379011008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	03/31/18 22:24	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	03/31/18 22:24	
Benzene	ug/L	ND	5.0	1.7	03/31/18 22:24	
Diisopropyl ether	ug/L	ND	5.0	1.7	03/31/18 22:24	
Ethanol	ug/L	ND	200	131	03/31/18 22:24	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	03/31/18 22:24	
Ethylbenzene	ug/L	ND	5.0	1.6	03/31/18 22:24	
m&p-Xylene	ug/L	ND	10.0	3.1	03/31/18 22:24	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	03/31/18 22:24	
Naphthalene	ug/L	ND	5.0	2.0	03/31/18 22:24	
o-Xylene	ug/L	ND	5.0	1.6	03/31/18 22:24	
tert-Amyl Alcohol	ug/L	ND	100	76.8	03/31/18 22:24	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	03/31/18 22:24	
tert-Butyl Alcohol	ug/L	ND	100	57.7	03/31/18 22:24	
tert-Butyl Formate	ug/L	ND	50.0	7.3	03/31/18 22:24	
Toluene	ug/L	ND	5.0	1.6	03/31/18 22:24	
Xylene (Total)	ug/L	ND	5.0	5.0	03/31/18 22:24	
1,2-Dichloroethane-d4 (S)	%	99	70-130		03/31/18 22:24	
4-Bromofluorobenzene (S)	%	98	70-130		03/31/18 22:24	
Toluene-d8 (S)	%	102	70-130		03/31/18 22:24	

LABORATORY CONTROL SAMPLE: 2243454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.9	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	974	97	70-130	
Benzene	ug/L	50	51.2	102	70-130	
Diisopropyl ether	ug/L	50	46.4	93	70-130	
Ethanol	ug/L	2000	1510	76	70-130	
Ethyl-tert-butyl ether	ug/L	100	92.4	92	70-130	
Ethylbenzene	ug/L	50	50.3	101	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	46.0	92	70-130	
Naphthalene	ug/L	50	49.1	98	70-130	
o-Xylene	ug/L	50	51.5	103	70-130	
tert-Amyl Alcohol	ug/L	1000	958	96	70-130	
tert-Amylmethyl ether	ug/L	100	98.9	99	70-130	
tert-Butyl Alcohol	ug/L	500	500	100	70-130	
tert-Butyl Formate	ug/L	400	355	89	70-130	
Toluene	ug/L	50	49.6	99	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

LABORATORY CONTROL SAMPLE: 2243454

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	154	103	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 2243456

Parameter	Units	92379071002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.5	113	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	410	102	70-130	
Benzene	ug/L	2.1J	20	25.7	118	70-130	
Diisopropyl ether	ug/L	ND	20	20.9	103	70-130	
Ethanol	ug/L	ND	800	816	102	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	41.0	103	70-130	
Ethylbenzene	ug/L	ND	20	24.1	115	70-130	
m&p-Xylene	ug/L	ND	40	47.6	119	70-130	
Methyl-terti-butyl ether	ug/L	ND	20	20.7	104	70-130	
Naphthalene	ug/L	ND	20	21.6	107	70-130	
o-Xylene	ug/L	ND	20	23.1	115	70-130	
tert-Amyl Alcohol	ug/L	ND	400	426	107	70-130	
tert-Amylmethyl ether	ug/L	ND	40	43.5	109	70-130	
tert-Butyl Alcohol	ug/L	ND	200	273	137	70-130 M1	
tert-Butyl Formate	ug/L	ND	160	ND	3	70-130 M1,P5	
Toluene	ug/L	ND	20	22.6	113	70-130	
Xylene (Total)	ug/L	ND	60	70.7	118	70-130	
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 2243455

Parameter	Units	92379071001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

SAMPLE DUPLICATE: 2243455

Parameter	Units	92379071001 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	104	106	2		
4-Bromofluorobenzene (S)	%	98	98	0		
Toluene-d8 (S)	%	102	101	1		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

QC Batch: 404383 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379011002, 92379011003, 92379011004, 92379011005

METHOD BLANK: 2243477 Matrix: Water
Associated Lab Samples: 92379011002, 92379011003, 92379011004, 92379011005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/01/18 09:42	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/01/18 09:42	
Benzene	ug/L	ND	5.0	1.7	04/01/18 09:42	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/01/18 09:42	
Ethanol	ug/L	ND	200	131	04/01/18 09:42	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/01/18 09:42	
Ethylbenzene	ug/L	ND	5.0	1.6	04/01/18 09:42	
m&p-Xylene	ug/L	ND	10.0	3.1	04/01/18 09:42	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/01/18 09:42	
Naphthalene	ug/L	ND	5.0	2.0	04/01/18 09:42	
o-Xylene	ug/L	ND	5.0	1.6	04/01/18 09:42	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/01/18 09:42	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/01/18 09:42	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/01/18 09:42	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/01/18 09:42	
Toluene	ug/L	ND	5.0	1.6	04/01/18 09:42	
Xylene (Total)	ug/L	ND	5.0	5.0	04/01/18 09:42	
1,2-Dichloroethane-d4 (S)	%	100	70-130		04/01/18 09:42	
4-Bromofluorobenzene (S)	%	98	70-130		04/01/18 09:42	
Toluene-d8 (S)	%	101	70-130		04/01/18 09:42	

LABORATORY CONTROL SAMPLE: 2243478

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	51.5	103	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	975	97	70-130	
Benzene	ug/L	50	52.8	106	70-130	
Diisopropyl ether	ug/L	50	48.2	96	70-130	
Ethanol	ug/L	2000	1820	91	70-130	
Ethyl-tert-butyl ether	ug/L	100	95.4	95	70-130	
Ethylbenzene	ug/L	50	51.8	104	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	47.8	96	70-130	
Naphthalene	ug/L	50	49.0	98	70-130	
o-Xylene	ug/L	50	53.0	106	70-130	
tert-Amyl Alcohol	ug/L	1000	963	96	70-130	
tert-Amylmethyl ether	ug/L	100	101	101	70-130	
tert-Butyl Alcohol	ug/L	500	538	108	70-130	
tert-Butyl Formate	ug/L	400	271	68	70-130 L2	
Toluene	ug/L	50	50.8	102	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

LABORATORY CONTROL SAMPLE: 2243478

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 2243480

Parameter	Units	92378814024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.5	112	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	396	99	70-130	
Benzene	ug/L	ND	20	23.4	117	70-130	
Diisopropyl ether	ug/L	ND	20	20.8	104	70-130	
Ethanol	ug/L	ND	800	803	100	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	42.9	107	70-130	
Ethylbenzene	ug/L	ND	20	22.5	113	70-130	
m&p-Xylene	ug/L	ND	40	46.0	115	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	20.8	104	70-130	
Naphthalene	ug/L	ND	20	20.0	100	70-130	
o-Xylene	ug/L	ND	20	22.4	112	70-130	
tert-Amyl Alcohol	ug/L	ND	400	418	105	70-130	
tert-Amylmethyl ether	ug/L	ND	40	44.8	112	70-130	
tert-Butyl Alcohol	ug/L	ND	200	276	138	70-130	M1
tert-Butyl Formate	ug/L	ND	160	ND	4	70-130	M0,P5
Toluene	ug/L	ND	20	22.3	111	70-130	
Xylene (Total)	ug/L	ND	60	68.4	114	70-130	
1,2-Dichloroethane-d4 (S)	%				104	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 2243479

Parameter	Units	92378814023 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

SAMPLE DUPLICATE: 2243479

Parameter	Units	92378814023 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	101	3		
4-Bromofluorobenzene (S)	%	98	98	0		
Toluene-d8 (S)	%	103	99	4		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

QC Batch:	404911	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV SC
Associated Lab Samples:	92379011006		

METHOD BLANK: 2246290
Associated Lab Samples: 92379011006

Matrix: Water

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/05/18 09:10	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/05/18 09:10	
Benzene	ug/L	ND	5.0	1.7	04/05/18 09:10	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/05/18 09:10	
Ethanol	ug/L	ND	200	131	04/05/18 09:10	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/05/18 09:10	
Ethylbenzene	ug/L	ND	5.0	1.6	04/05/18 09:10	
m&p-Xylene	ug/L	ND	10.0	3.1	04/05/18 09:10	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/05/18 09:10	
Naphthalene	ug/L	ND	5.0	2.0	04/05/18 09:10	
o-Xylene	ug/L	ND	5.0	1.6	04/05/18 09:10	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/05/18 09:10	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/05/18 09:10	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/05/18 09:10	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/05/18 09:10	
Toluene	ug/L	ND	5.0	1.6	04/05/18 09:10	
Xylene (Total)	ug/L	ND	5.0	5.0	04/05/18 09:10	
1,2-Dichloroethane-d4 (S)	%	102	70-130		04/05/18 09:10	
4-Bromofluorobenzene (S)	%	105	70-130		04/05/18 09:10	
Toluene-d8 (S)	%	107	70-130		04/05/18 09:10	

LABORATORY CONTROL SAMPLE: 2246291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.5	105	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	865	86	70-130 1g	
Benzene	ug/L	50	54.8	110	70-130	
Diisopropyl ether	ug/L	50	56.4	113	70-130	
Ethanol	ug/L	2000	1910	95	70-130	
Ethyl-tert-butyl ether	ug/L	100	109	109	70-130	
Ethylbenzene	ug/L	50	50.4	101	70-130	
m&p-Xylene	ug/L	100	101	101	70-130	
Methyl-tert-butyl ether	ug/L	50	55.5	111	70-130	
Naphthalene	ug/L	50	54.0	108	70-130	
o-Xylene	ug/L	50	52.2	104	70-130	
tert-Amyl Alcohol	ug/L	1000	910	91	70-130 1g	
tert-Amylmethyl ether	ug/L	100	109	109	70-130	
tert-Butyl Alcohol	ug/L	500	537	107	70-130	
tert-Butyl Formate	ug/L	400	309	77	70-130 1g	
Toluene	ug/L	50	49.9	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

LABORATORY CONTROL SAMPLE: 2246291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 2246293

Parameter	Units	92379010003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	21.6	108	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	427	107	70-130	
Benzene	ug/L	ND	20	24.9	125	70-130	
Diisopropyl ether	ug/L	ND	20	21.4	107	70-130	
Ethanol	ug/L	ND	800	838	105	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	42.5	106	70-130	
Ethylbenzene	ug/L	ND	20	25.0	125	70-130	
m&p-Xylene	ug/L	ND	40	51.4	128	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	21.8	109	70-130	
Naphthalene	ug/L	ND	20	24.0	120	70-130	
o-Xylene	ug/L	ND	20	26.1	131	70-130	M1
tert-Amyl Alcohol	ug/L	ND	400	434	109	70-130	
tert-Amylmethyl ether	ug/L	ND	40	45.1	113	70-130	
tert-Butyl Alcohol	ug/L	ND	200	279	140	70-130	M1
tert-Butyl Formate	ug/L	ND	160	ND	0	70-130	M1
Toluene	ug/L	ND	20	23.4	117	70-130	
Xylene (Total)	ug/L	ND	60	77.5	129	70-130	MS
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				95	70-130	

SAMPLE DUPLICATE: 2246292

Parameter	Units	92379010002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

SAMPLE DUPLICATE: 2246292

Parameter	Units	92379010002 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	104	106	2		
4-Bromofluorobenzene (S)	%	105	107	2		
Toluene-d8 (S)	%	103	101	3		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

QC Batch: 405085 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379011001

METHOD BLANK: 2247131 Matrix: Water
Associated Lab Samples: 92379011001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/05/18 20:12	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/05/18 20:12	
Benzene	ug/L	ND	5.0	1.7	04/05/18 20:12	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/05/18 20:12	
Ethanol	ug/L	ND	200	131	04/05/18 20:12	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/05/18 20:12	
Ethylbenzene	ug/L	ND	5.0	1.6	04/05/18 20:12	
m&p-Xylene	ug/L	ND	10.0	3.1	04/05/18 20:12	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/05/18 20:12	
Naphthalene	ug/L	ND	5.0	2.0	04/05/18 20:12	
o-Xylene	ug/L	ND	5.0	1.6	04/05/18 20:12	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/05/18 20:12	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/05/18 20:12	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/05/18 20:12	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/05/18 20:12	
Toluene	ug/L	ND	5.0	1.6	04/05/18 20:12	
Xylene (Total)	ug/L	ND	5.0	5.0	04/05/18 20:12	
1,2-Dichloroethane-d4 (S)	%	100	70-130		04/05/18 20:12	
4-Bromofluorobenzene (S)	%	105	70-130		04/05/18 20:12	
Toluene-d8 (S)	%	99	70-130		04/05/18 20:12	

LABORATORY CONTROL SAMPLE: 2247132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.8	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1110	111	70-130 1g	
Benzene	ug/L	50	54.7	109	70-130	
Diisopropyl ether	ug/L	50	55.2	110	70-130	
Ethanol	ug/L	2000	1990	99	70-130	
Ethyl-tert-butyl ether	ug/L	100	106	106	70-130	
Ethylbenzene	ug/L	50	54.6	109	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	54.6	109	70-130	
Naphthalene	ug/L	50	59.3	119	70-130	
o-Xylene	ug/L	50	56.7	113	70-130	
tert-Amyl Alcohol	ug/L	1000	1070	107	70-130 1g	
tert-Amylmethyl ether	ug/L	100	114	114	70-130	
tert-Butyl Alcohol	ug/L	500	554	111	70-130	
tert-Butyl Formate	ug/L	400	394	98	70-130 1g	
Toluene	ug/L	50	52.0	104	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

LABORATORY CONTROL SAMPLE: 2247132

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	165	110	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE SAMPLE: 2247133

Parameter	Units	92379071025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	200	223	112	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	4000	4050	101	70-130	
Benzene	ug/L	145	200	398	127	70-130	
Diisopropyl ether	ug/L	ND	200	235	118	70-130	
Ethanol	ug/L	ND	8000	8250	103	70-130	
Ethyl-tert-butyl ether	ug/L	ND	400	430	108	70-130	
Ethylbenzene	ug/L	894	200	1130	120	70-130	
m&p-Xylene	ug/L	1640	400	2090	111	70-130	
Methyl-tert-butyl ether	ug/L	ND	200	222	111	70-130	
Naphthalene	ug/L	429	200	667	119	70-130	
o-Xylene	ug/L	1360	200	1570	107	70-130	
tert-Amyl Alcohol	ug/L	ND	4000	4400	110	70-130	
tert-Amylmethyl ether	ug/L	ND	400	449	112	70-130	
tert-Butyl Alcohol	ug/L	ND	2000	2400	120	70-130	
tert-Butyl Formate	ug/L	ND	1600	931	58	70-130 M1	
Toluene	ug/L	54.0	200	289	117	70-130	
Xylene (Total)	ug/L	3000	600	3660	110	70-130	
1,2-Dichloroethane-d4 (S)	%				94	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 2247134

Parameter	Units	92379071029 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	10.5J	10.3J		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	384	390	1	30	
Diisopropyl ether	ug/L	64.6	68.8	6	30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	908	931	3	30	
m&p-Xylene	ug/L	1650	1680	2	30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	196	206	5	30	
o-Xylene	ug/L	563	569	1	30	
tert-Amyl Alcohol	ug/L	875	920	5	30	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

SAMPLE DUPLICATE: 2247134

Parameter	Units	92379071029 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	85.4	89.1	4	30	
Xylene (Total)	ug/L	2210	2250	1	30	
1,2-Dichloroethane-d4 (S)	%	101	100	0		
4-Bromofluorobenzene (S)	%	98	98	0		
Toluene-d8 (S)	%	98	100	1		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

QC Batch: 404435 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92379011002, 92379011003, 92379011004, 92379011005, 92379011007

METHOD BLANK: 2243658 Matrix: Water
Associated Lab Samples: 92379011002, 92379011003, 92379011004, 92379011005, 92379011007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	04/03/18 09:03	
1-Chloro-2-bromopropane (S)	%	124	60-140		04/03/18 09:03	

LABORATORY CONTROL SAMPLE & LCSD: 2243659			2243660							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.24	0.29	0.31	119	123	60-140	5	20	
1-Chloro-2-bromopropane (S)	%				135	140	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2243661				2243662								
Parameter	Units	92379068001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.25	.25	0.27	0.27	110	110	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						138	132	60-140			

SAMPLE DUPLICATE: 2243663

Parameter	Units	92379071003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	137	120	14		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

QC Batch: 404748 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92379011001, 92379011006

METHOD BLANK: 2245261 Matrix: Water
Associated Lab Samples: 92379011001, 92379011006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	04/04/18 12:35	
1-Chloro-2-bromopropane (S)	%	135	60-140		04/04/18 12:35	

LABORATORY CONTROL SAMPLE & LCSD: 2245262			2245263							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.24	0.29	0.28	121	112	60-140	7	20	
1-Chloro-2-bromopropane (S)	%				127	119	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2245264					2245265							
Parameter	Units	92379150001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.24	.24	0.29	0.30	119	123	60-140	4	20	
1-Chloro-2-bromopropane (S)	%						125	130	60-140			

SAMPLE DUPLICATE: 2245266

Parameter	Units	92379150003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	117	125	6		

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QUALIFIERS

Project: COASTAL 76 TRUCK STOP 17-6276
Pace Project No.: 92379011

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.

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.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL 76 TRUCK STOP 17-6276

Pace Project No.: 92379011

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92379011001	MW-17	EPA 8011	404748	EPA 8011	404791
92379011002	MW-23	EPA 8011	404435	EPA 8011	404511
92379011003	MW-24	EPA 8011	404435	EPA 8011	404511
92379011004	MW-25	EPA 8011	404435	EPA 8011	404511
92379011005	MW-26	EPA 8011	404435	EPA 8011	404511
92379011006	DUP1	EPA 8011	404748	EPA 8011	404791
92379011007	FIELD BLANK	EPA 8011	404435	EPA 8011	404511
92379011001	MW-17	EPA 8260	405085		
92379011002	MW-23	EPA 8260	404383		
92379011003	MW-24	EPA 8260	404383		
92379011004	MW-25	EPA 8260	404383		
92379011005	MW-26	EPA 8260	404383		
92379011006	DUP1	EPA 8260	404911		
92379011007	FIELD BLANK	EPA 8260	404378		
92379011008	TRIP BLANK	EPA 8260	404378		

REPORT OF LABORATORY ANALYSIS

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	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐

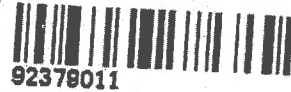
Sample Condition
Upon Receipt

Client Name:

MECI

Project #

WO#: 92379011



Courier:

☐ Commercial ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Other: _____

Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Date/Initials Person Examining Contents: 3-30-18

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

Thermometer:

☐ IR Gun ID: 92T036

Type of Ice: ☒ Wet ☐ Blue ☐ None

Biological Tissue Frozen?

☐ Yes ☒ No ☐ N/A

Cooler Temp (°C): 2.4 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 2.5

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: <u>V67</u>			
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

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review:

TC

Date:

3/30/18

Project Manager SRF Review:

TC

Date:

3/30/18

	Document Name: Sample Condition Upon Receipt(SCUR)	Document Revised: February 7, 2018 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

*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 bottle

Project **W0# : 92379011**

PM: RWC

Due Date: 04/06/18

CLIENT: 92-MIDLAND

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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation Vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																													
2																													
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:

Company: **MFCI**
Address: **231 Pooley Road**
Lexington SC 29077
Email To: **SUC@MFCI.net**
Phone: **803-805-7043** **803-805-7048**
Requested Due Date/TAT:

Section B Required Project Information:

Report To: **B. Shane**
Copy To:
Purchase Order No.:
Project Name: **Costal 76 Truck Stop**
Project Number: **17-6776**

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: **T. Carter**
Pace Profile #:

Page: **1** of **2**
2228988

REGULATORY AGENCY

☒ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location
STATE: **SC** **Florence**

Section D Required Client Information		Matrix Codes MATRIX / CODE		COLLECTED		PRESERVATIVES		Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	
ITEM #	SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE		PRESERVATIVES		Analysis Test ↓	Y/N	Y/N	Y/N
				DATE	TIME	DATE	TIME				
1	MW-16										
2	MW-17										
3	MW-21	WTG		3/27/18	10:42						
4	MW-23	WTG		3/29/18	10:48						
5	MW-24										
6	MW-25										
7	MW-26										
8	Dup										
9	Field Blank										
10	Trip Blank	WTG		3/27/18	10:54						
11											
12											

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS		
		J. V. P.		3/30/18		8:12		J. V. P.		3/30/18		8:12				
		J. V. P.		3/30/18		11:36		J. V. P.		3/30/18		11:36		25 Y N Y		

ORIGINAL		SAMPLER NAME AND SIGNATURE		DATE Signed (MM/DD/YY):		Temp in °C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)	
		Colin Phillips		3/24/18									

May 01, 2018

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

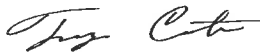
RE: Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Trey Carter
treycarter@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92379942001	MW-1	Water	04/04/18 11:13	04/06/18 13:46
92379942002	MW-2	Water	04/04/18 11:35	04/06/18 13:46
92379942003	MW-3	Water	04/04/18 11:20	04/06/18 13:46
92379942004	MW-4	Water	04/04/18 11:08	04/06/18 13:46
92379942005	MW-5	Water	04/04/18 10:40	04/06/18 13:46
92379942006	MW-6	Water	04/04/18 09:00	04/06/18 13:46
92379942007	MW-7	Water	04/04/18 10:05	04/06/18 13:46
92379942008	MW-8	Water	04/04/18 09:59	04/06/18 13:46
92379942009	MW-10RR	Water	04/04/18 11:00	04/06/18 13:46
92379942010	MW-11	Water	04/04/18 09:08	04/06/18 13:46
92379942011	MW-15	Water	04/04/18 09:50	04/06/18 13:46
92379942012	MW-18	Water	04/04/18 10:34	04/06/18 13:46
92379942013	MW-19	Water	04/04/18 09:16	04/06/18 13:46
92379942014	MW-20	Water	04/04/18 09:22	04/06/18 13:46
92379942015	MW-27	Water	04/04/18 09:04	04/06/18 13:46
92379942016	MW-28	Water	04/04/18 09:45	04/06/18 13:46
92379942017	IGWA	Water	04/04/18 10:24	04/06/18 13:46
92379942018	IGWA-R	Water	04/04/18 10:20	04/06/18 13:46
92379942019	TW-1	Water	04/04/18 11:21	04/06/18 13:46
92379942020	TW-2	Water	04/04/18 10:13	04/06/18 13:46
92379942021	DUP-1	Water	04/04/18 10:24	04/06/18 13:46
92379942022	TB	Water	04/04/18 11:42	04/06/18 13:46
92379942023	FB	Water	04/04/18 11:40	04/06/18 13:46

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SAMPLE ANALYTE COUNT

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92379942001	MW-1	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942002	MW-2	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942003	MW-3	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942004	MW-4	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942005	MW-5	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942006	MW-6	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942007	MW-7	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942008	MW-8	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942009	MW-10RR	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942010	MW-11	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942011	MW-15	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942012	MW-18	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942013	MW-19	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942014	MW-20	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942015	MW-27	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942016	MW-28	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942017	IGWA	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942018	IGWA-R	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942019	TW-1	EPA 8011	SEM	2	PASI-C

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SAMPLE ANALYTE COUNT

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92379942020	TW-2	EPA 8260	GAW	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92379942021	DUP-1	EPA 8260	GAW	20	PASI-C
		EPA 8011	SEM	2	PASI-C
92379942022	TB	EPA 8260	GAW	20	PASI-C
		EPA 8260	GAW	20	PASI-C
92379942023	FB	EPA 8011	SEM	2	PASI-C
		EPA 8260	GAW	20	PASI-C

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-1		Lab ID: 92379942001		Collected: 04/04/18 11:13		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	156	ug/L	3.9	3.9	200	04/30/18 14:00	05/01/18 12:03	106-93-4	H2
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		200	04/30/18 14:00	05/01/18 12:03	301-79-56	S4
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	20000	15400	200		04/10/18 13:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	680	200		04/10/18 13:52	994-05-8	
Benzene	11000	ug/L	1000	340	200		04/10/18 13:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	6420	200		04/10/18 13:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	11500	200		04/10/18 13:52	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	1460	200		04/10/18 13:52	762-75-4	M1
1,2-Dichloroethane	ND	ug/L	1000	360	200		04/10/18 13:52	107-06-2	
Diisopropyl ether	ND	ug/L	1000	340	200		04/10/18 13:52	108-20-3	
Ethanol	ND	ug/L	40000	26200	200		04/10/18 13:52	64-17-5	
Ethylbenzene	1010	ug/L	1000	320	200		04/10/18 13:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	720	200		04/10/18 13:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	340	200		04/10/18 13:52	1634-04-4	
Naphthalene	1210	ug/L	1000	400	200		04/10/18 13:52	91-20-3	
Toluene	18100	ug/L	1000	320	200		04/10/18 13:52	108-88-3	M1
Xylene (Total)	17200	ug/L	1000	1000	200		04/10/18 13:52	1330-20-7	
m&p-Xylene	10700	ug/L	2000	620	200		04/10/18 13:52	179601-23-1	
o-Xylene	6480	ug/L	1000	320	200		04/10/18 13:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		200		04/10/18 13:52	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		200		04/10/18 13:52	17060-07-0	
Toluene-d8 (S)	106	%	70-130		200		04/10/18 13:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-2		Lab ID: 92379942002		Collected: 04/04/18 11:35		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	22.2	ug/L	0.50	0.50	25	04/09/18 14:47	04/10/18 08:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		25	04/09/18 14:47	04/10/18 08:37	301-79-56	S4
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	4630J	ug/L	5000	3840	50		04/12/18 17:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		04/12/18 17:58	994-05-8	
Benzene	4070	ug/L	250	85.0	50		04/12/18 17:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		04/12/18 17:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		04/12/18 17:58	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		04/12/18 17:58	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	250	90.0	50		04/12/18 17:58	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		04/12/18 17:58	108-20-3	
Ethanol	ND	ug/L	10000	6550	50		04/12/18 17:58	64-17-5	
Ethylbenzene	943	ug/L	250	80.0	50		04/12/18 17:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		04/12/18 17:58	637-92-3	
Methyl-tert-butyl ether	332	ug/L	250	85.0	50		04/12/18 17:58	1634-04-4	
Naphthalene	165J	ug/L	250	100	50		04/12/18 17:58	91-20-3	
Toluene	5900	ug/L	250	80.0	50		04/12/18 17:58	108-88-3	
Xylene (Total)	4400	ug/L	250	250	50		04/12/18 17:58	1330-20-7	
m&p-Xylene	2700	ug/L	500	155	50		04/12/18 17:58	179601-23-1	
o-Xylene	1700	ug/L	250	80.0	50		04/12/18 17:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		50		04/12/18 17:58	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		50		04/12/18 17:58	17060-07-0	
Toluene-d8 (S)	104	%	70-130		50		04/12/18 17:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-3		Lab ID: 92379942003		Collected: 04/04/18 11:20		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	1.3	ug/L	0.097	0.097	5	04/09/18 14:48	04/10/18 08:56	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	136	%	60-140		5	04/09/18 14:48	04/10/18 08:56	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	10000	7680	100		04/10/18 13:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	340	100		04/10/18 13:16	994-05-8	
Benzene	1490	ug/L	500	170	100		04/10/18 13:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	3210	100		04/10/18 13:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	5770	100		04/10/18 13:16	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	730	100		04/10/18 13:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	180	100		04/10/18 13:16	107-06-2	
Diisopropyl ether	ND	ug/L	500	170	100		04/10/18 13:16	108-20-3	
Ethanol	ND	ug/L	20000	13100	100		04/10/18 13:16	64-17-5	
Ethylbenzene	1910	ug/L	500	160	100		04/10/18 13:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	360	100		04/10/18 13:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	170	100		04/10/18 13:16	1634-04-4	
Naphthalene	884	ug/L	500	200	100		04/10/18 13:16	91-20-3	
Toluene	9660	ug/L	500	160	100		04/10/18 13:16	108-88-3	
Xylene (Total)	11700	ug/L	500	500	100		04/10/18 13:16	1330-20-7	
m&p-Xylene	7900	ug/L	1000	310	100		04/10/18 13:16	179601-23-1	
o-Xylene	3830	ug/L	500	160	100		04/10/18 13:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		100		04/10/18 13:16	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		100		04/10/18 13:16	17060-07-0	
Toluene-d8 (S)	104	%	70-130		100		04/10/18 13:16	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-4		Lab ID: 92379942004		Collected: 04/04/18 11:08		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	1.0	ug/L	0.022	0.022	1	04/09/18 14:49	04/10/18 00:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	04/09/18 14:49	04/10/18 00:48	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	3230	ug/L	2500	1920	25		04/10/18 12:58	75-85-4	
tert-Amyl methyl ether	ND	ug/L	250	85.0	25		04/10/18 12:58	994-05-8	
Benzene	1870	ug/L	125	42.5	25		04/10/18 12:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	802	25		04/10/18 12:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	1440	25		04/10/18 12:58	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	182	25		04/10/18 12:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	45.0	25		04/10/18 12:58	107-06-2	
Diisopropyl ether	ND	ug/L	125	42.5	25		04/10/18 12:58	108-20-3	
Ethanol	ND	ug/L	5000	3280	25		04/10/18 12:58	64-17-5	
Ethylbenzene	503	ug/L	125	40.0	25		04/10/18 12:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	90.0	25		04/10/18 12:58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	42.5	25		04/10/18 12:58	1634-04-4	
Naphthalene	342	ug/L	125	50.0	25		04/10/18 12:58	91-20-3	
Toluene	4230	ug/L	125	40.0	25		04/10/18 12:58	108-88-3	
Xylene (Total)	4600	ug/L	125	125	25		04/10/18 12:58	1330-20-7	
m&p-Xylene	2560	ug/L	250	77.5	25		04/10/18 12:58	179601-23-1	
o-Xylene	2040	ug/L	125	40.0	25		04/10/18 12:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		25		04/10/18 12:58	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		25		04/10/18 12:58	17060-07-0	
Toluene-d8 (S)	104	%	70-130		25		04/10/18 12:58	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-5 Lab ID: 92379942005 Collected: 04/04/18 10:40 Received: 04/06/18 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:49	04/10/18 01:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/09/18 14:49	04/10/18 01:42	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	1000	768	10		04/10/18 12:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	34.0	10		04/10/18 12:41	994-05-8	
Benzene	196	ug/L	50.0	17.0	10		04/10/18 12:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	321	10		04/10/18 12:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	1000	577	10		04/10/18 12:41	75-65-0	
tert-Butyl Formate	ND	ug/L	500	73.0	10		04/10/18 12:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	50.0	18.0	10		04/10/18 12:41	107-06-2	
Diisopropyl ether	ND	ug/L	50.0	17.0	10		04/10/18 12:41	108-20-3	
Ethanol	ND	ug/L	2000	1310	10		04/10/18 12:41	64-17-5	
Ethylbenzene	1130	ug/L	50.0	16.0	10		04/10/18 12:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	36.0	10		04/10/18 12:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	50.0	17.0	10		04/10/18 12:41	1634-04-4	
Naphthalene	299	ug/L	50.0	20.0	10		04/10/18 12:41	91-20-3	
Toluene	684	ug/L	50.0	16.0	10		04/10/18 12:41	108-88-3	
Xylene (Total)	2520	ug/L	50.0	50.0	10		04/10/18 12:41	1330-20-7	
m&p-Xylene	1710	ug/L	100	31.0	10		04/10/18 12:41	179601-23-1	
o-Xylene	811	ug/L	50.0	16.0	10		04/10/18 12:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		04/10/18 12:41	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		10		04/10/18 12:41	17060-07-0	
Toluene-d8 (S)	105	%	70-130		10		04/10/18 12:41	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-6		Lab ID: 92379942006		Collected: 04/04/18 09:00		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:49	04/10/18 02:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	04/09/18 14:49	04/10/18 02:00	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/09/18 22:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/09/18 22:57	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/09/18 22:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/09/18 22:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/09/18 22:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/09/18 22:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/09/18 22:57	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/09/18 22:57	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 22:57	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/09/18 22:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/09/18 22:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/09/18 22:57	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/09/18 22:57	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/09/18 22:57	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/09/18 22:57	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/09/18 22:57	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/09/18 22:57	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/09/18 22:57	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/09/18 22:57	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/09/18 22:57	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-7		Lab ID: 92379942007		Collected: 04/04/18 10:05		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:49	04/10/18 02:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	119	%	60-140		1	04/09/18 14:49	04/10/18 02:18	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/09/18 23:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/09/18 23:14	994-05-8	
Benzene	3.7J	ug/L	5.0	1.7	1		04/09/18 23:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/09/18 23:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/09/18 23:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/09/18 23:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/09/18 23:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/09/18 23:14	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 23:14	64-17-5	L2
Ethylbenzene	5.3	ug/L	5.0	1.6	1		04/09/18 23:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/09/18 23:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/09/18 23:14	1634-04-4	
Naphthalene	5.7	ug/L	5.0	2.0	1		04/09/18 23:14	91-20-3	
Toluene	2.4J	ug/L	5.0	1.6	1		04/09/18 23:14	108-88-3	
Xylene (Total)	34.5	ug/L	5.0	5.0	1		04/09/18 23:14	1330-20-7	
m&p-Xylene	16.2	ug/L	10.0	3.1	1		04/09/18 23:14	179601-23-1	
o-Xylene	18.3	ug/L	5.0	1.6	1		04/09/18 23:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/09/18 23:14	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/09/18 23:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/09/18 23:14	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-8		Lab ID: 92379942008		Collected: 04/04/18 09:59		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:50	04/10/18 02:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	126	%	60-140		1	04/09/18 14:50	04/10/18 02:36	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/09/18 23:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/09/18 23:31	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/09/18 23:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/09/18 23:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/09/18 23:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/09/18 23:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/09/18 23:31	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/09/18 23:31	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 23:31	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/09/18 23:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/09/18 23:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/09/18 23:31	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/09/18 23:31	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/09/18 23:31	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/09/18 23:31	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/09/18 23:31	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/09/18 23:31	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/09/18 23:31	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		04/09/18 23:31	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/09/18 23:31	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-10RR		Lab ID: 92379942009		Collected: 04/04/18 11:00		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	0.028	ug/L	0.020	0.020	1	04/09/18 14:50	04/10/18 02:54	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/09/18 14:50	04/10/18 02:54	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/09/18 23:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/09/18 23:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/09/18 23:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/09/18 23:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/09/18 23:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/09/18 23:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/09/18 23:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/09/18 23:48	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 23:48	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/09/18 23:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/09/18 23:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/09/18 23:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/09/18 23:48	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/09/18 23:48	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/09/18 23:48	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/09/18 23:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/09/18 23:48	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		04/09/18 23:48	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		04/09/18 23:48	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/09/18 23:48	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-11		Lab ID: 92379942010		Collected: 04/04/18 09:08		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/09/18 14:50	04/10/18 03:12	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/09/18 14:50	04/10/18 03:12	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 00:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 00:05	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 00:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 00:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 00:05	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 00:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 00:05	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:05	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 00:05	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 00:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 00:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:05	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 00:05	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 00:05	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 00:05	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 00:05	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 00:05	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/10/18 00:05	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/10/18 00:05	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/10/18 00:05	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-15		Lab ID: 92379942011		Collected: 04/04/18 09:50		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:50	04/10/18 03:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	103	%	60-140		1	04/09/18 14:50	04/10/18 03:30	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 00:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 00:22	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 00:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 00:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 00:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 00:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 00:22	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:22	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 00:22	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 00:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 00:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 00:22	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 00:22	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 00:22	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 00:22	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 00:22	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/10/18 00:22	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/10/18 00:22	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/10/18 00:22	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-18		Lab ID: 92379942012		Collected: 04/04/18 10:34		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/09/18 14:50	04/10/18 04:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	04/09/18 14:50	04/10/18 04:06	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 00:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 00:39	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 00:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 00:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 00:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 00:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 00:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:39	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 00:39	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 00:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 00:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 00:39	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 00:39	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 00:39	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 00:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 00:39	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/10/18 00:39	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/10/18 00:39	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/10/18 00:39	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-19		Lab ID: 92379942013		Collected: 04/04/18 09:16		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:50	04/10/18 04:24	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	60-140		1	04/09/18 14:50	04/10/18 04:24	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 00:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 00:56	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 00:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 00:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 00:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 00:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 00:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:56	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 00:56	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 00:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 00:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 00:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 00:56	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 00:56	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 00:56	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 00:56	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 00:56	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/10/18 00:56	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/10/18 00:56	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/10/18 00:56	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-20		Lab ID: 92379942014		Collected: 04/04/18 09:22		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:51	04/10/18 04:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/09/18 14:51	04/10/18 04:42	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 01:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 01:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 01:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 01:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 01:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 01:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 01:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 01:14	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 01:14	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 01:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 01:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 01:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 01:14	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 01:14	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 01:14	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 01:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 01:14	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/10/18 01:14	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/10/18 01:14	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/10/18 01:14	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-27		Lab ID: 92379942015		Collected: 04/04/18 09:04		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:51	04/10/18 05:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	114	%	60-140		1	04/09/18 14:51	04/10/18 05:00	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 01:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 01:31	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 01:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 01:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 01:31	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 01:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 01:31	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 01:31	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 01:31	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 01:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 01:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 01:31	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 01:31	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 01:31	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 01:31	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 01:31	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 01:31	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/10/18 01:31	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/10/18 01:31	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/10/18 01:31	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: MW-28		Lab ID: 92379942016		Collected: 04/04/18 09:45		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:51	04/10/18 05:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/09/18 14:51	04/10/18 05:18	301-79-56	
8260 MSV Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 01:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 01:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 01:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 01:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 01:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 01:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 01:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 01:48	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 01:48	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 01:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 01:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 01:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 01:48	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 01:48	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 01:48	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 01:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 01:48	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	111	%	70-130		1		04/10/18 01:48	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/10/18 01:48	17060-07-0	
Toluene-d8 (S)	104	%	70-130		1		04/10/18 01:48	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: IGWA		Lab ID: 92379942017		Collected: 04/04/18 10:24		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	0.84	ug/L	0.019	0.019	1	04/09/18 14:51	04/10/18 05:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	119	%	60-140		1	04/09/18 14:51	04/10/18 05:36	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	4000	3070	40		04/10/18 12:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	136	40		04/10/18 12:23	994-05-8	
Benzene	532	ug/L	200	68.0	40		04/10/18 12:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	1280	40		04/10/18 12:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	2310	40		04/10/18 12:23	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	292	40		04/10/18 12:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	72.0	40		04/10/18 12:23	107-06-2	
Diisopropyl ether	ND	ug/L	200	68.0	40		04/10/18 12:23	108-20-3	
Ethanol	ND	ug/L	8000	5240	40		04/10/18 12:23	64-17-5	
Ethylbenzene	306	ug/L	200	64.0	40		04/10/18 12:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	144	40		04/10/18 12:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	68.0	40		04/10/18 12:23	1634-04-4	
Naphthalene	337	ug/L	200	80.0	40		04/10/18 12:23	91-20-3	
Toluene	2990	ug/L	200	64.0	40		04/10/18 12:23	108-88-3	
Xylene (Total)	8440	ug/L	200	200	40		04/10/18 12:23	1330-20-7	
m&p-Xylene	4380	ug/L	400	124	40		04/10/18 12:23	179601-23-1	
o-Xylene	4060	ug/L	200	64.0	40		04/10/18 12:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		40		04/10/18 12:23	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		40		04/10/18 12:23	17060-07-0	
Toluene-d8 (S)	103	%	70-130		40		04/10/18 12:23	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: IGWA-R		Lab ID: 92379942018		Collected: 04/04/18 10:20		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011							
1,2-Dibromoethane (EDB)	0.74	ug/L	0.020	0.020	1	04/09/18 14:51	04/10/18 05:54	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/09/18 14:51	04/10/18 05:54	301-79-56	
8260 MSV		Analytical Method: EPA 8260							
tert-Amyl Alcohol	ND	ug/L	5000	3840	50		04/10/18 12:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	170	50		04/10/18 12:05	994-05-8	
Benzene	932	ug/L	250	85.0	50		04/10/18 12:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	1600	50		04/10/18 12:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	2880	50		04/10/18 12:05	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	365	50		04/10/18 12:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	90.0	50		04/10/18 12:05	107-06-2	
Diisopropyl ether	ND	ug/L	250	85.0	50		04/10/18 12:05	108-20-3	
Ethanol	ND	ug/L	10000	6550	50		04/10/18 12:05	64-17-5	
Ethylbenzene	2300	ug/L	250	80.0	50		04/10/18 12:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	180	50		04/10/18 12:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	85.0	50		04/10/18 12:05	1634-04-4	
Naphthalene	590	ug/L	250	100	50		04/10/18 12:05	91-20-3	
Toluene	6290	ug/L	250	80.0	50		04/10/18 12:05	108-88-3	
Xylene (Total)	8170	ug/L	250	250	50		04/10/18 12:05	1330-20-7	
m&p-Xylene	5910	ug/L	500	155	50		04/10/18 12:05	179601-23-1	
o-Xylene	2270	ug/L	250	80.0	50		04/10/18 12:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		50		04/10/18 12:05	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		50		04/10/18 12:05	17060-07-0	
Toluene-d8 (S)	104	%	70-130		50		04/10/18 12:05	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: TW-1		Lab ID: 92379942019		Collected: 04/04/18 11:21		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/09/18 14:51	04/10/18 06:12	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	82	%	60-140		1	04/09/18 14:51	04/10/18 06:12	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 02:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 02:05	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 02:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 02:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 02:05	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 02:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 02:05	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 02:05	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 02:05	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 02:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 02:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 02:05	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 02:05	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 02:05	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 02:05	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 02:05	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 02:05	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/10/18 02:05	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/10/18 02:05	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/10/18 02:05	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: TW-2		Lab ID: 92379942020		Collected: 04/04/18 10:13		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
			Analytical Method: EPA 8011 Preparation Method: EPA 8011						
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/09/18 14:51	04/10/18 06:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	85	%	60-140		1	04/09/18 14:51	04/10/18 06:30	301-79-56	
8260 MSV									
			Analytical Method: EPA 8260						
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 02:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 02:22	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 02:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 02:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 02:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 02:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 02:22	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 02:22	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 02:22	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 02:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 02:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 02:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 02:22	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 02:22	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 02:22	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 02:22	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 02:22	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	112	%	70-130		1		04/10/18 02:22	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/10/18 02:22	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/10/18 02:22	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: DUP-1 Lab ID: 92379942021 Collected: 04/04/18 10:24 Received: 04/06/18 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	0.77	ug/L	0.019	0.019	1	04/09/18 14:52	04/10/18 06:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	119	%	60-140		1	04/09/18 14:52	04/10/18 06:48	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	4000	3070	40		04/12/18 18:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	136	40		04/12/18 18:15	994-05-8	
Benzene	562	ug/L	200	68.0	40		04/12/18 18:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	1280	40		04/12/18 18:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	2310	40		04/12/18 18:15	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	292	40		04/12/18 18:15	762-75-4	L1
1,2-Dichloroethane	ND	ug/L	200	72.0	40		04/12/18 18:15	107-06-2	
Diisopropyl ether	ND	ug/L	200	68.0	40		04/12/18 18:15	108-20-3	
Ethanol	ND	ug/L	8000	5240	40		04/12/18 18:15	64-17-5	
Ethylbenzene	296	ug/L	200	64.0	40		04/12/18 18:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	144	40		04/12/18 18:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	68.0	40		04/12/18 18:15	1634-04-4	
Naphthalene	350	ug/L	200	80.0	40		04/12/18 18:15	91-20-3	
Toluene	3030	ug/L	200	64.0	40		04/12/18 18:15	108-88-3	
Xylene (Total)	7870	ug/L	200	200	40		04/12/18 18:15	1330-20-7	
m&p-Xylene	4130	ug/L	400	124	40		04/12/18 18:15	179601-23-1	
o-Xylene	3740	ug/L	200	64.0	40		04/12/18 18:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		40		04/12/18 18:15	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		40		04/12/18 18:15	17060-07-0	
Toluene-d8 (S)	105	%	70-130		40		04/12/18 18:15	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Sample: TB		Lab ID: 92379942022		Collected: 04/04/18 11:42		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/10/18 02:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/10/18 02:39	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/10/18 02:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/10/18 02:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/10/18 02:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/10/18 02:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/10/18 02:39	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/10/18 02:39	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/10/18 02:39	64-17-5	L2
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/10/18 02:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/10/18 02:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/10/18 02:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/10/18 02:39	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/10/18 02:39	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/10/18 02:39	1330-20-7	LS
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/10/18 02:39	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/10/18 02:39	95-47-6	L1
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/10/18 02:39	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/10/18 02:39	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/10/18 02:39	2037-26-5	

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

Sample: FB		Lab ID: 92379942023		Collected: 04/04/18 11:40		Received: 04/06/18 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.019	1	04/09/18 14:40	04/09/18 17:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	04/09/18 14:40	04/09/18 17:50	301-79-56	
8260 MSV									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	76.8	1		04/11/18 07:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.4	1		04/11/18 07:06	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/11/18 07:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	32.1	1		04/11/18 07:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	57.7	1		04/11/18 07:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	7.3	1		04/11/18 07:06	762-75-4	L2
1,2-Dichloroethane	ND	ug/L	5.0	1.8	1		04/11/18 07:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1.7	1		04/11/18 07:06	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/11/18 07:06	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.6	1		04/11/18 07:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.6	1		04/11/18 07:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1.7	1		04/11/18 07:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.0	1		04/11/18 07:06	91-20-3	
Toluene	ND	ug/L	5.0	1.6	1		04/11/18 07:06	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/11/18 07:06	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	3.1	1		04/11/18 07:06	179601-23-1	
o-Xylene	ND	ug/L	5.0	1.6	1		04/11/18 07:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/11/18 07:06	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/11/18 07:06	17060-07-0	
Toluene-d8 (S)	105	%	70-130		1		04/11/18 07:06	2037-26-5	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

QC Batch: 405561 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379942006, 92379942008, 92379942009, 92379942010, 92379942011, 92379942012, 92379942013, 92379942014, 92379942015, 92379942016, 92379942019, 92379942020, 92379942022

METHOD BLANK: 2249860

Matrix: Water

Associated Lab Samples: 92379942006, 92379942008, 92379942009, 92379942010, 92379942011, 92379942012, 92379942013, 92379942014, 92379942015, 92379942016, 92379942019, 92379942020, 92379942022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/09/18 22:23	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/09/18 22:23	
Benzene	ug/L	ND	5.0	1.7	04/09/18 22:23	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/09/18 22:23	
Ethanol	ug/L	ND	200	131	04/09/18 22:23	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/09/18 22:23	
Ethylbenzene	ug/L	ND	5.0	1.6	04/09/18 22:23	
m&p-Xylene	ug/L	ND	10.0	3.1	04/09/18 22:23	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/09/18 22:23	
Naphthalene	ug/L	ND	5.0	2.0	04/09/18 22:23	
o-Xylene	ug/L	ND	5.0	1.6	04/09/18 22:23	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/09/18 22:23	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/09/18 22:23	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/09/18 22:23	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/09/18 22:23	
Toluene	ug/L	ND	5.0	1.6	04/09/18 22:23	
Xylene (Total)	ug/L	ND	5.0	5.0	04/09/18 22:23	
1,2-Dichloroethane-d4 (S)	%	100	70-130		04/09/18 22:23	
4-Bromofluorobenzene (S)	%	110	70-130		04/09/18 22:23	
Toluene-d8 (S)	%	103	70-130		04/09/18 22:23	

LABORATORY CONTROL SAMPLE: 2249861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	55.7	111	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	879	88	70-130 1g	
Benzene	ug/L	50	61.3	123	70-130	
Diisopropyl ether	ug/L	50	63.3	127	70-130	
Ethanol	ug/L	2000	1330	66	70-130 L2	
Ethyl-tert-butyl ether	ug/L	100	117	117	70-130	
Ethylbenzene	ug/L	50	63.6	127	70-130	
m&p-Xylene	ug/L	100	127	127	70-130	
Methyl-tert-butyl ether	ug/L	50	54.4	109	70-130	
Naphthalene	ug/L	50	59.0	118	70-130	
o-Xylene	ug/L	50	65.6	131	70-130 L1	
tert-Amyl Alcohol	ug/L	1000	872	87	70-130 1g	
tert-Amylmethyl ether	ug/L	100	123	123	70-130	
tert-Butyl Alcohol	ug/L	500	444	89	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: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

LABORATORY CONTROL SAMPLE: 2249861

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Formate	ug/L	400	390	97	70-130	1g
Toluene	ug/L	50	60.3	121	70-130	
Xylene (Total)	ug/L	150	192	128	70-130	LS
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE SAMPLE: 2249863

Parameter	Units	92379942012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.1	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	424	106	70-130	
Benzene	ug/L	ND	20	21.7	109	70-130	
Diisopropyl ether	ug/L	ND	20	20.8	104	70-130	
Ethanol	ug/L	ND	800	786	98	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	38.5	96	70-130	
Ethylbenzene	ug/L	ND	20	23.2	116	70-130	
m&p-Xylene	ug/L	ND	40	47.4	118	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	19.1	95	70-130	
Naphthalene	ug/L	ND	20	23.4	117	70-130	
o-Xylene	ug/L	ND	20	24.3	121	70-130	
tert-Amyl Alcohol	ug/L	ND	400	418	105	70-130	
tert-Amylmethyl ether	ug/L	ND	40	41.2	103	70-130	
tert-Butyl Alcohol	ug/L	ND	200	216	108	70-130	
tert-Butyl Formate	ug/L	ND	160	114	71	70-130	
Toluene	ug/L	ND	20	21.1	105	70-130	
Xylene (Total)	ug/L	ND	60	71.7	119	70-130	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				97	70-130	

SAMPLE DUPLICATE: 2249862

Parameter	Units	92379942011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

SAMPLE DUPLICATE: 2249862

Parameter	Units	92379942011 Result	Dup Result	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	104	100	4		
4-Bromofluorobenzene (S)	%	107	101	6		
Toluene-d8 (S)	%	103	103	0		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 405562 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379942007

METHOD BLANK: 2249864 Matrix: Water

Associated Lab Samples: 92379942007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/09/18 22:40	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/09/18 22:40	
Benzene	ug/L	ND	5.0	1.7	04/09/18 22:40	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/09/18 22:40	
Ethanol	ug/L	ND	200	131	04/09/18 22:40	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/09/18 22:40	
Ethylbenzene	ug/L	ND	5.0	1.6	04/09/18 22:40	
m&p-Xylene	ug/L	ND	10.0	3.1	04/09/18 22:40	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/09/18 22:40	
Naphthalene	ug/L	ND	5.0	2.0	04/09/18 22:40	
o-Xylene	ug/L	ND	5.0	1.6	04/09/18 22:40	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/09/18 22:40	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/09/18 22:40	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/09/18 22:40	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/09/18 22:40	
Toluene	ug/L	ND	5.0	1.6	04/09/18 22:40	
Xylene (Total)	ug/L	ND	5.0	5.0	04/09/18 22:40	
1,2-Dichloroethane-d4 (S)	%	100	70-130		04/09/18 22:40	
4-Bromofluorobenzene (S)	%	106	70-130		04/09/18 22:40	
Toluene-d8 (S)	%	103	70-130		04/09/18 22:40	

LABORATORY CONTROL SAMPLE: 2249865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	56.0	112	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	839	84	70-130 1g	
Benzene	ug/L	50	60.7	121	70-130	
Diisopropyl ether	ug/L	50	62.4	125	70-130	
Ethanol	ug/L	2000	1130	57	70-130 L2	
Ethyl-tert-butyl ether	ug/L	100	117	117	70-130	
Ethylbenzene	ug/L	50	61.6	123	70-130	
m&p-Xylene	ug/L	100	126	126	70-130	
Methyl-tert-butyl ether	ug/L	50	58.2	116	70-130	
Naphthalene	ug/L	50	57.0	114	70-130	
o-Xylene	ug/L	50	65.1	130	70-130	
tert-Amyl Alcohol	ug/L	1000	835	83	70-130 1g	
tert-Amylmethyl ether	ug/L	100	121	121	70-130	
tert-Butyl Alcohol	ug/L	500	419	84	70-130	
tert-Butyl Formate	ug/L	400	400	100	70-130 1g	
Toluene	ug/L	50	58.5	117	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

LABORATORY CONTROL SAMPLE: 2249865

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	191	127	70-130	
1,2-Dichloroethane-d4 (S)	%			88	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE SAMPLE: 2249867

Parameter	Units	92379950010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.9	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	459	115	70-130	
Benzene	ug/L	ND	20	24.7	114	70-130	
Diisopropyl ether	ug/L	ND	20	21.4	107	70-130	
Ethanol	ug/L	ND	800	829	104	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	39.9	100	70-130	
Ethylbenzene	ug/L	ND	20	23.6	118	70-130	
m&p-Xylene	ug/L	ND	40	48.4	121	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	20.6	103	70-130	
Naphthalene	ug/L	ND	20	25.1	123	70-130	
o-Xylene	ug/L	ND	20	24.9	125	70-130	
tert-Amyl Alcohol	ug/L	ND	400	462	116	70-130	
tert-Amylmethyl ether	ug/L	ND	40	42.3	106	70-130	
tert-Butyl Alcohol	ug/L	ND	200	236	118	70-130	
tert-Butyl Formate	ug/L	ND	160	106	66	70-130 P5	
Toluene	ug/L	ND	20	21.4	107	70-130	
Xylene (Total)	ug/L	ND	60	73.3	122	70-130	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 2249866

Parameter	Units	92379950009 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	12.4	15.2	21	30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	9.2	12.8	32	30 D6	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

SAMPLE DUPLICATE: 2249866

Parameter	Units	92379950009 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	104	103	1		
4-Bromofluorobenzene (S)	%	108	100	8		
Toluene-d8 (S)	%	96	98	2		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 405636 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379942001, 92379942003, 92379942004, 92379942005, 92379942017, 92379942018

METHOD BLANK: 2250232 Matrix: Water
Associated Lab Samples: 92379942001, 92379942003, 92379942004, 92379942005, 92379942017, 92379942018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/10/18 10:23	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/10/18 10:23	
Benzene	ug/L	ND	5.0	1.7	04/10/18 10:23	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/10/18 10:23	
Ethanol	ug/L	ND	200	131	04/10/18 10:23	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/10/18 10:23	
Ethylbenzene	ug/L	ND	5.0	1.6	04/10/18 10:23	
m&p-Xylene	ug/L	ND	10.0	3.1	04/10/18 10:23	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/10/18 10:23	
Naphthalene	ug/L	ND	5.0	2.0	04/10/18 10:23	
o-Xylene	ug/L	ND	5.0	1.6	04/10/18 10:23	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/10/18 10:23	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/10/18 10:23	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/10/18 10:23	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/10/18 10:23	
Toluene	ug/L	ND	5.0	1.6	04/10/18 10:23	
Xylene (Total)	ug/L	ND	5.0	5.0	04/10/18 10:23	
1,2-Dichloroethane-d4 (S)	%	93	70-130		04/10/18 10:23	
4-Bromofluorobenzene (S)	%	98	70-130		04/10/18 10:23	
Toluene-d8 (S)	%	103	70-130		04/10/18 10:23	

LABORATORY CONTROL SAMPLE: 2250233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	42.9	86	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	951	95	70-130	
Benzene	ug/L	50	50.1	100	70-130	
Diisopropyl ether	ug/L	50	48.8	98	70-130	
Ethanol	ug/L	2000	1830	92	70-130	
Ethyl-tert-butyl ether	ug/L	100	92.8	93	70-130	
Ethylbenzene	ug/L	50	48.7	97	70-130	
m&p-Xylene	ug/L	100	96.7	97	70-130	
Methyl-tert-butyl ether	ug/L	50	48.0	96	70-130	
Naphthalene	ug/L	50	52.2	104	70-130	
o-Xylene	ug/L	50	50.9	102	70-130	
tert-Amyl Alcohol	ug/L	1000	987	99	70-130	
tert-Amylmethyl ether	ug/L	100	106	106	70-130	
tert-Butyl Alcohol	ug/L	500	413	83	70-130	
tert-Butyl Formate	ug/L	400	466	117	70-130	
Toluene	ug/L	50	46.6	93	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

LABORATORY CONTROL SAMPLE: 2250233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	148	98	70-130	
1,2-Dichloroethane-d4 (S)	%			85	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			94	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2250234 2250235

Parameter	Units	92379942001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	4000	4000	4370	4250	107	104	70-130	3	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	80000	80000	71700	78200	90	98	70-130	9	30	
Benzene	ug/L	11000	4000	4000	15800	15500	121	112	70-130	2	30	
Diisopropyl ether	ug/L	ND	4000	4000	4370	4410	109	110	70-130	1	30	
Ethanol	ug/L	ND	160000	160000	162000	160000	101	100	70-130	1	30	
Ethyl-tert-butyl ether	ug/L	ND	8000	8000	8490	8440	106	105	70-130	1	30	
Ethylbenzene	ug/L	1010	4000	4000	5560	5500	114	112	70-130	1	30	
m&p-Xylene	ug/L	10700	8000	8000	19200	18900	107	103	70-130	2	30	
Methyl-tert-butyl ether	ug/L	ND	4000	4000	4550	4560	109	109	70-130	0	30	
Naphthalene	ug/L	1210	4000	4000	5400	5680	105	112	70-130	5	30	
o-Xylene	ug/L	6480	4000	4000	10800	10700	108	105	70-130	1	30	
tert-Amyl Alcohol	ug/L	ND	80000	80000	89900	99000	99	110	70-130	10	30	
tert-Amylmethyl ether	ug/L	ND	8000	8000	9160	9110	115	114	70-130	1	30	
tert-Butyl Alcohol	ug/L	ND	40000	40000	34100	37300	85	93	70-130	9	30	
tert-Butyl Formate	ug/L	ND	32000	32000	44200	43800	138	137	70-130	1	30	M1
Toluene	ug/L	18100	4000	4000	20100	20000	52	48	70-130	1	30	M1
Xylene (Total)	ug/L	17200	12000	12000	30000	29600	107	103	70-130	2	30	
1,2-Dichloroethane-d4 (S)	%						97	95	70-130			
4-Bromofluorobenzene (S)	%						98	98	70-130			
Toluene-d8 (S)	%						98	95	70-130			

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 405717 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379942023

METHOD BLANK: 2250720 Matrix: Water
Associated Lab Samples: 92379942023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/11/18 05:42	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/11/18 05:42	
Benzene	ug/L	ND	5.0	1.7	04/11/18 05:42	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/11/18 05:42	
Ethanol	ug/L	ND	200	131	04/11/18 05:42	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/11/18 05:42	
Ethylbenzene	ug/L	ND	5.0	1.6	04/11/18 05:42	
m&p-Xylene	ug/L	ND	10.0	3.1	04/11/18 05:42	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/11/18 05:42	
Naphthalene	ug/L	ND	5.0	2.0	04/11/18 05:42	
o-Xylene	ug/L	ND	5.0	1.6	04/11/18 05:42	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/11/18 05:42	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/11/18 05:42	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/11/18 05:42	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/11/18 05:42	
Toluene	ug/L	ND	5.0	1.6	04/11/18 05:42	
Xylene (Total)	ug/L	ND	5.0	5.0	04/11/18 05:42	
1,2-Dichloroethane-d4 (S)	%	97	70-130		04/11/18 05:42	
4-Bromofluorobenzene (S)	%	103	70-130		04/11/18 05:42	
Toluene-d8 (S)	%	105	70-130		04/11/18 05:42	

LABORATORY CONTROL SAMPLE: 2250721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	46.7	93	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	956	96	70-130 1g	
Benzene	ug/L	50	53.4	107	70-130	
Diisopropyl ether	ug/L	50	52.9	106	70-130	
Ethanol	ug/L	2000	1690	85	70-130	
Ethyl-tert-butyl ether	ug/L	100	99.5	100	70-130	
Ethylbenzene	ug/L	50	54.5	109	70-130	
m&p-Xylene	ug/L	100	110	110	70-130	
Methyl-tert-butyl ether	ug/L	50	50.2	100	70-130	
Naphthalene	ug/L	50	59.0	118	70-130	
o-Xylene	ug/L	50	56.7	113	70-130	
tert-Amyl Alcohol	ug/L	1000	895	90	70-130 1g	
tert-Amylmethyl ether	ug/L	100	107	107	70-130	
tert-Butyl Alcohol	ug/L	500	514	103	70-130	
tert-Butyl Formate	ug/L	400	257	64	70-130 1g,L2	
Toluene	ug/L	50	49.8	100	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

LABORATORY CONTROL SAMPLE: 2250721

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	166	111	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE SAMPLE: 2252175

Parameter	Units	92379947014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.9	94	70-130	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	453	113	70-130	
Benzene	ug/L	ND	20	22.3	112	70-130	
Diisopropyl ether	ug/L	ND	20	19.6	98	70-130	
Ethanol	ug/L	ND	800	741	93	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	37.2	93	70-130	
Ethylbenzene	ug/L	ND	20	22.3	112	70-130	
m&p-Xylene	ug/L	ND	40	45.4	113	70-130	
Methyl-tert-butyl ether	ug/L	ND	20	18.7	93	70-130	
Naphthalene	ug/L	ND	20	24.5	120	70-130	
o-Xylene	ug/L	ND	20	23.1	115	70-130	
tert-Amyl Alcohol	ug/L	ND	400	406	101	70-130	
tert-Amylmethyl ether	ug/L	ND	40	40.6	101	70-130	
tert-Butyl Alcohol	ug/L	ND	200	180	90	70-130	
tert-Butyl Formate	ug/L	ND	160	152	95	70-130	
Toluene	ug/L	ND	20	20.8	104	70-130	
Xylene (Total)	ug/L	ND	60	68.4	114	70-130	
1,2-Dichloroethane-d4 (S)	%				90	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 2252174

Parameter	Units	92379947013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

SAMPLE DUPLICATE: 2252174

Parameter	Units	92379947013 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	97	3		
4-Bromofluorobenzene (S)	%	101	99	2		
Toluene-d8 (S)	%	103	102	0		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 406009 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV SC
Associated Lab Samples: 92379942002, 92379942021

METHOD BLANK: 2252338 Matrix: Water

Associated Lab Samples: 92379942002, 92379942021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	1.8	04/12/18 12:37	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	32.1	04/12/18 12:37	
Benzene	ug/L	ND	5.0	1.7	04/12/18 12:37	
Diisopropyl ether	ug/L	ND	5.0	1.7	04/12/18 12:37	
Ethanol	ug/L	ND	200	131	04/12/18 12:37	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.6	04/12/18 12:37	
Ethylbenzene	ug/L	ND	5.0	1.6	04/12/18 12:37	
m&p-Xylene	ug/L	ND	10.0	3.1	04/12/18 12:37	
Methyl-tert-butyl ether	ug/L	ND	5.0	1.7	04/12/18 12:37	
Naphthalene	ug/L	ND	5.0	2.0	04/12/18 12:37	
o-Xylene	ug/L	ND	5.0	1.6	04/12/18 12:37	
tert-Amyl Alcohol	ug/L	ND	100	76.8	04/12/18 12:37	
tert-Amylmethyl ether	ug/L	ND	10.0	3.4	04/12/18 12:37	
tert-Butyl Alcohol	ug/L	ND	100	57.7	04/12/18 12:37	
tert-Butyl Formate	ug/L	ND	50.0	7.3	04/12/18 12:37	
Toluene	ug/L	ND	5.0	1.6	04/12/18 12:37	
Xylene (Total)	ug/L	ND	5.0	5.0	04/12/18 12:37	
1,2-Dichloroethane-d4 (S)	%	103	70-130		04/12/18 12:37	
4-Bromofluorobenzene (S)	%	109	70-130		04/12/18 12:37	
Toluene-d8 (S)	%	107	70-130		04/12/18 12:37	

LABORATORY CONTROL SAMPLE: 2252339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.6	105	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	856	86	70-130	
Benzene	ug/L	50	56.3	113	70-130	
Diisopropyl ether	ug/L	50	56.0	112	70-130	
Ethanol	ug/L	2000	2040	102	70-130	
Ethyl-tert-butyl ether	ug/L	100	110	110	70-130	
Ethylbenzene	ug/L	50	52.4	105	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	59.4	119	70-130	
Naphthalene	ug/L	50	55.3	111	70-130	
o-Xylene	ug/L	50	53.3	107	70-130	
tert-Amyl Alcohol	ug/L	1000	1040	104	70-130	
tert-Amylmethyl ether	ug/L	100	119	119	70-130	
tert-Butyl Alcohol	ug/L	500	452	90	70-130	
tert-Butyl Formate	ug/L	400	567	142	70-130 L1	
Toluene	ug/L	50	50.2	100	70-130	

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

LABORATORY CONTROL SAMPLE: 2252339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	150	158	105	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2252340 2252341

Parameter	Units	2252340		2252341		MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
		92379733002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result			RPD	RPD	
1,2-Dichloroethane	ug/L	ND	400	400	456	406	113	100	70-130	12	30
3,3-Dimethyl-1-Butanol	ug/L	ND	8000	8000	5710	5040	71	63	70-130	13	30 M1
Benzene	ug/L	1230	400	400	1710	1630	120	100	70-130	5	30
Diisopropyl ether	ug/L	ND	400	400	446	382	112	96	70-130	15	30
Ethanol	ug/L	ND	16000	16000	15800	13800	99	86	70-130	14	30
Ethyl-tert-butyl ether	ug/L	ND	800	800	880	768	110	96	70-130	14	30
Ethylbenzene	ug/L	1820	400	400	2280	2160	116	86	70-130	5	30
m&p-Xylene	ug/L	2290	800	800	3150	2960	107	83	70-130	6	30
Methyl-tert-butyl ether	ug/L	ND	400	400	454	389	114	97	70-130	16	30
Naphthalene	ug/L	573	400	400	1020	940	111	92	70-130	8	30
o-Xylene	ug/L	735	400	400	1200	1110	117	95	70-130	8	30
tert-Amyl Alcohol	ug/L	ND	8000	8000	7930	6820	99	85	70-130	15	30
tert-Amylmethyl ether	ug/L	ND	800	800	970	825	121	103	70-130	16	30
tert-Butyl Alcohol	ug/L	ND	4000	4000	3450	2930	86	73	70-130	16	30
tert-Butyl Formate	ug/L	ND	3200	3200	4230	3590	132	112	70-130	16	30 M0
Toluene	ug/L	2080	400	400	2390	2260	77	43	70-130	6	30 M1
Xylene (Total)	ug/L	3030	1200	1200	4350	4070	111	87	70-130	7	30
1,2-Dichloroethane-d4 (S)	%						104	101	70-130		
4-Bromofluorobenzene (S)	%						104	103	70-130		
Toluene-d8 (S)	%						96	98	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 405467 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92379942002, 92379942003

METHOD BLANK: 2249118 Matrix: Water

Associated Lab Samples: 92379942002, 92379942003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	04/09/18 15:34	
1-Chloro-2-bromopropane (S)	%	117	60-140		04/09/18 15:34	

LABORATORY CONTROL SAMPLE & LCSD: 2249119

2249120

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.25	0.28	0.29	114	114	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				109	109	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2249121

2249122

Parameter	Units	92379733026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.24	.24	0.17	0.17	71	71	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						71	71	60-140			

SAMPLE DUPLICATE: 2249123

Parameter	Units	92379733029 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	101	99	0		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 405469 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92379942004, 92379942005, 92379942006, 92379942007, 92379942008, 92379942009, 92379942010, 92379942011, 92379942012, 92379942013, 92379942014, 92379942015, 92379942016, 92379942017, 92379942018, 92379942019, 92379942020, 92379942021

METHOD BLANK: 2249128 Matrix: Water
Associated Lab Samples: 92379942004, 92379942005, 92379942006, 92379942007, 92379942008, 92379942009, 92379942010, 92379942011, 92379942012, 92379942013, 92379942014, 92379942015, 92379942016, 92379942017, 92379942018, 92379942019, 92379942020, 92379942021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	04/09/18 23:54	
1-Chloro-2-bromopropane (S)	%	144	60-140		04/09/18 23:54	S3

LABORATORY CONTROL SAMPLE & LCSD: 2249129			2249130							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	0.25	105	103	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				103	104	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2249131		2249132										
Parameter	Units	92379942004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	1.0	.25	.25	1.3	1.3	92	106	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						111	105	60-140			

SAMPLE DUPLICATE: 2249133						
Parameter	Units	92379942011 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	103	76	29		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 405471 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92379942023

METHOD BLANK: 2249141 Matrix: Water
Associated Lab Samples: 92379942023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	04/09/18 16:07	
1-Chloro-2-bromopropane (S)	%	133	60-140		04/09/18 16:07	

LABORATORY CONTROL SAMPLE & LCSD: 2249142			2249143							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.25	0.26	0.30	105	126	60-140	15	20	
1-Chloro-2-bromopropane (S)	%				105	129	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2249144			2249145									
Parameter	Units	92379947008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	0.10	.24	.24	0.32	0.32	91	89	60-140	2	20	
1-Chloro-2-bromopropane (S)	%						155	152	60-140			S0

SAMPLE DUPLICATE: 2249146

Parameter	Units	92379947018 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	98	107	9		

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

QC Batch: 408687	Analysis Method: EPA 8011
QC Batch Method: EPA 8011	Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92379942001	

METHOD BLANK: 2267490 Matrix: Water

Associated Lab Samples: 92379942001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.020	04/30/18 14:14	
1-Chloro-2-bromopropane (S)	%	110	60-140		04/30/18 14:14	

LABORATORY CONTROL SAMPLE & LCSD: 2267491

2267492

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.24	0.25	0.26	101	105	60-140	7	20	
1-Chloro-2-bromopropane (S)	%				102	104	60-140			

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QUALIFIERS

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

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.
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.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H2	Extraction or preparation conducted outside EPA method holding time.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
LS	Analyte recovery in the laboratory control sample (LCS) was outside QC limits for one or more of the constituent analytes used in the calculated result.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
S0	Surrogate recovery outside laboratory control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL 76 TRUCK STOP 18-6276
Pace Project No.: 92379942

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92379942001	MW-1	EPA 8011	408687	EPA 8011	408691
92379942002	MW-2	EPA 8011	405467	EPA 8011	405529
92379942003	MW-3	EPA 8011	405467	EPA 8011	405529
92379942004	MW-4	EPA 8011	405469	EPA 8011	405531
92379942005	MW-5	EPA 8011	405469	EPA 8011	405531
92379942006	MW-6	EPA 8011	405469	EPA 8011	405531
92379942007	MW-7	EPA 8011	405469	EPA 8011	405531
92379942008	MW-8	EPA 8011	405469	EPA 8011	405531
92379942009	MW-10RR	EPA 8011	405469	EPA 8011	405531
92379942010	MW-11	EPA 8011	405469	EPA 8011	405531
92379942011	MW-15	EPA 8011	405469	EPA 8011	405531
92379942012	MW-18	EPA 8011	405469	EPA 8011	405531
92379942013	MW-19	EPA 8011	405469	EPA 8011	405531
92379942014	MW-20	EPA 8011	405469	EPA 8011	405531
92379942015	MW-27	EPA 8011	405469	EPA 8011	405531
92379942016	MW-28	EPA 8011	405469	EPA 8011	405531
92379942017	IGWA	EPA 8011	405469	EPA 8011	405531
92379942018	IGWA-R	EPA 8011	405469	EPA 8011	405531
92379942019	TW-1	EPA 8011	405469	EPA 8011	405531
92379942020	TW-2	EPA 8011	405469	EPA 8011	405531
92379942021	DUP-1	EPA 8011	405469	EPA 8011	405531
92379942023	FB	EPA 8011	405471	EPA 8011	405530
92379942001	MW-1	EPA 8260	405636		
92379942002	MW-2	EPA 8260	406009		
92379942003	MW-3	EPA 8260	405636		
92379942004	MW-4	EPA 8260	405636		
92379942005	MW-5	EPA 8260	405636		
92379942006	MW-6	EPA 8260	405561		
92379942007	MW-7	EPA 8260	405562		
92379942008	MW-8	EPA 8260	405561		
92379942009	MW-10RR	EPA 8260	405561		
92379942010	MW-11	EPA 8260	405561		
92379942011	MW-15	EPA 8260	405561		
92379942012	MW-18	EPA 8260	405561		
92379942013	MW-19	EPA 8260	405561		
92379942014	MW-20	EPA 8260	405561		
92379942015	MW-27	EPA 8260	405561		
92379942016	MW-28	EPA 8260	405561		
92379942017	IGWA	EPA 8260	405636		
92379942018	IGWA-R	EPA 8260	405636		
92379942019	TW-1	EPA 8260	405561		
92379942020	TW-2	EPA 8260	405561		
92379942021	DUP-1	EPA 8260	406009		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL 76 TRUCK STOP 18-6276

Pace Project No.: 92379942

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92379942022	TB	EPA 8260	405561		
92379942023	FB	EPA 8260	405717		

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	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐

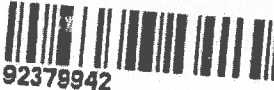
Sample Condition
Upon Receipt

Client Name:

MELI

Project

WO#: 92379942



Courier:

☐ Commercial

☐ Fed Ex

☐ UPS

☐ USPS

☐ Client

☒ Pace

☐ Other:

Custody Seal Present?

☐ Yes

☒ No

Seals Intact?

☐ Yes

☒ No

Date/Initials Person Examining Contents: 10 4-6-18

Packing Material:

☐ Bubble Wrap

☒ Bubble Bags

☐ None

☐ Other

Thermometer:

☒ IR Gun ID: 92T036

Type of Ice:

☒ Wet

☐ Blue

☐ None

Biological Tissue Frozen?

☐ Yes

☐ No

☒ N/A

Cooler Temp (°C):

2.6

Correction Factor: Add/Subtract (°C)

+0.1

Cooler Temp Corrected (°C):

2.7

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: <u>WTF</u>		<u>No dates time on samples</u>
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:

TC

Date:

4/6/18

Project Manager SRF Review:

TC

Date:

4/6/18

	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

*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 bottle

Project # **WO# : 92379942**

PM: RWC

Due Date: 04/13/18

CLIENT: 92-MIDLAND

1

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 2N Acetate & NaOH (>9)	BP4C-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)	AG3A(DG3A)-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 Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																6													
2																6													
3																6													
4																6													
5																6													
6																6													
7																6													
8																6													
9																6													
10																6													
11																6													
12																6													

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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

*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 bottle

Project / **W0# : 92379942**

PM: RWC

Due Date: 04/13/18

CLIENT: 92-MIDLAND



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)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-503S kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1																												
2																												
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Section A

Required Client Information:

Section B

Required Project Information:

Section C

Invoice Information:

Page: 1 of 2

2229112

Company: MECI
Address: 231 Dooley Rd.
Lexington, SC 29073
Email To: ILQ@meci.net
Phone: 803-808-2043 Fax: 803-808-2048
Requested Due Date/TAT: _____

Report To:	B. Shane
Copy To:	
Purchase Order No.:	4600422513
Project Name:	Coastal 76 Truck Stop
Project Number:	18-6276

Attention:	
Company Name:	
Address:	
Pace Quote	
Reference:	
Pace Project Manager:	T. Carter
Pace Profile #:	

REGULATORY AGENCY

☒ NPDES	☐ GROUND WATER	☐ DRINKING WATER
☒ UST	☐ RCRA	☐ OTHER

Site Location	SC	Florence
STATE:		

[illegible]

ORIGINAL

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:

Company: **MECI**
Address: **231 Dooley Rd.**
Lexington, SC 29073
Email To: **SLCP@meconet**
Phone: **803-808-2043** Fax: **803-808-2048**
Requested Due Date/TAT:

Section B

Required Project Information:

Report To: **B. Shane**
Copy To:
Purchase Order No.: **4600422513**
Project Name: **Coastal 76 Truck Stop**
Project Number: **18-6276**

Section C

Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: **T. Carter**
Pace Profile #:

Page: **2** of **2**

2229113

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location

STATE: **SC**

Florence

Section D

Required Client Information

SAMPLE ID
(A-Z, 0-9 / -)
Sample IDs MUST BE UNIQUE

Matrix Codes

MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

MATRIX CODE (see valid codes to left)
SAMPLE TYPE (G=GRAB C=COMP)

COLLECTED

COMPOSITE START

COMPOSITE END/GRAB

DATE TIME DATE TIME

SAMPLE TEMP AT COLLECTION

OF CONTAINERS

Preservatives

Unpreserved
H₂SO₄
HNO₃
HCl
NaOH
Na₂S₂O₃
Methanol
Other

Requested Analysis Filtered (Y/N)

Analysis Test ↓

8260B
8260B
8260B
8260B
800

Residual Chlorine (Y/N)

92379942
Pace Project No./ Lab I.D.
No odor 013
019
015
No odor 016
odor 017
odor 018
No odor 019
No odor 020
021
023
022

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
1	MW-19	WTG					9:16	6					
2	MW-20						9:22						
3	MW-27						9:04						
4	MW-28						9:45						
5	IGWA						10:24						
6	IGWA-R						10:20						
7	TW-1						11:21						
8	TW-2						10:13						
9	Dup.-1						10:24						
10	F.B.						11:40						
11	T.B.						11:42						
12													

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **Bryce Garnel**

SIGNATURE of SAMPLER: **Bryce Garnel**

DATE Signed (MM/DD/YY): **4/4/18**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

April 12, 2018

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

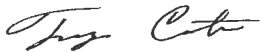
RE: Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Trey Carter
treycarter@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Charlotte Certification IDs

9800 Kinney Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: COASTAL 76 TRUCK WSW 18-6276

Pace Project No.: 92379943

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92379943001	WSW-1	Water	04/04/18 14:00	04/06/18 13:46
92379943002	WSW-DUP	Water	04/04/18 14:01	04/06/18 13:46
92379943003	WSW-FIELD BLANK	Water	04/04/18 14:15	04/06/18 13:46
92379943004	WSW-TRIP BLANK	Water	04/04/18 14:15	04/06/18 13:46

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92379943001	WSW-1	EPA 504.1	SEM	2	PASI-C
		EPA 524.2	JLR	10	PASI-O
		EPA 8260	GAW	11	PASI-C
92379943002	WSW-DUP	EPA 504.1	SEM	2	PASI-C
		EPA 524.2	JLR	10	PASI-O
		EPA 8260	GAW	11	PASI-C
92379943003	WSW-FIELD BLANK	EPA 504.1	SEM	2	PASI-C
		EPA 524.2	JLR	10	PASI-O
		EPA 8260	GAW	11	PASI-C
92379943004	WSW-TRIP BLANK	EPA 524.2	JLR	10	PASI-O
		EPA 8260	GAW	11	PASI-C

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK WSW 18-6276

Pace Project No.: 92379943

Sample: WSW-1

Lab ID: 92379943001

Collected: 04/04/18 14:00

Received: 04/06/18 13:46

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									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/10/18 11:54	04/11/18 07:47	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	70-130		1	04/10/18 11:54	04/11/18 07:47	301-79-56	
524.2 MSV									
Analytical Method: EPA 524.2									
Benzene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:29	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00025	1		04/11/18 16:29	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:29	100-41-4	
Methyl-tert-butyl ether	0.0020	mg/L	0.00050	0.00025	1		04/11/18 16:29	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:29	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:29	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/11/18 16:29	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		04/11/18 16:29	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		04/11/18 16:29	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		04/11/18 16:29	17060-07-0	
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		04/09/18 16:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		04/09/18 16:08	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		04/09/18 16:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		04/09/18 16:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		04/09/18 16:08	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/09/18 16:08	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 16:08	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		04/09/18 16:08	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/09/18 16:08	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/09/18 16:08	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/09/18 16:08	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK WSW 18-6276

Pace Project No.: 92379943

Sample: WSW-DUP		Lab ID: 92379943002		Collected: 04/04/18 14:01		Received: 04/06/18 13:46		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									
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.021	1	04/10/18 11:54	04/11/18 08:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	70-130		1	04/10/18 11:54	04/11/18 08:06	301-79-56	
524.2 MSV									
Analytical Method: EPA 524.2									
Benzene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:53	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00025	1		04/11/18 16:53	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:53	100-41-4	
Methyl-tert-butyl ether	0.0021	mg/L	0.00050	0.00025	1		04/11/18 16:53	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:53	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/11/18 16:53	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/11/18 16:53	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/11/18 16:53	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		04/11/18 16:53	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	70-130		1		04/11/18 16:53	17060-07-0	
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		04/09/18 16:25	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		04/09/18 16:25	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		04/09/18 16:25	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		04/09/18 16:25	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		04/09/18 16:25	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/09/18 16:25	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 16:25	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		04/09/18 16:25	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	110	%	70-130		1		04/09/18 16:25	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		04/09/18 16:25	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/09/18 16:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK WSW 18-6276

Pace Project No.: 92379943

Sample: WSW-FIELD BLANK Lab ID: 92379943003 Collected: 04/04/18 14:15 Received: 04/06/18 13:46 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									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.020	1	04/10/18 11:54	04/11/18 08:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	70-130		1	04/10/18 11:54	04/11/18 08:25	301-79-56	
524.2 MSV Analytical Method: EPA 524.2									
Benzene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:18	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00025	1		04/11/18 17:18	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:18	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00025	1		04/11/18 17:18	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:18	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:18	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/11/18 17:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	109	%	70-130		1		04/11/18 17:18	460-00-4	
Toluene-d8 (S)	105	%	70-130		1		04/11/18 17:18	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		04/11/18 17:18	17060-07-0	
8260 MSV Low Level SC Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		04/09/18 11:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		04/09/18 11:42	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		04/09/18 11:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		04/09/18 11:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		04/09/18 11:42	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/09/18 11:42	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 11:42	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		04/09/18 11:42	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/09/18 11:42	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/09/18 11:42	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		04/09/18 11:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TRUCK WSW 18-6276

Pace Project No.: 92379943

Sample: WSW-TRIP BLANK Lab ID: 92379943004 Collected: 04/04/18 14:15 Received: 04/06/18 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Benzene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:44	71-43-2	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00025	1		04/11/18 17:44	107-06-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:44	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00025	1		04/11/18 17:44	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:44	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/11/18 17:44	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/11/18 17:44	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	108	%	70-130		1		04/11/18 17:44	460-00-4	
Toluene-d8 (S)	106	%	70-130		1		04/11/18 17:44	2037-26-5	
1,2-Dichloroethane-d4 (S)	118	%	70-130		1		04/11/18 17:44	17060-07-0	
8260 MSV Low Level SC									
Analytical Method: EPA 8260									
tert-Amyl Alcohol	ND	ug/L	100	50.0	1		04/09/18 11:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	0.10	1		04/09/18 11:59	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	50.0	1		04/09/18 11:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	3.6	1		04/09/18 11:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1.9	1		04/09/18 11:59	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.12	1		04/09/18 11:59	108-20-3	
Ethanol	ND	ug/L	200	131	1		04/09/18 11:59	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	0.070	1		04/09/18 11:59	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/09/18 11:59	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/09/18 11:59	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/09/18 11:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

QC Batch: 439327 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 92379943001, 92379943002, 92379943003, 92379943004

METHOD BLANK: 2384745 Matrix: Water
Associated Lab Samples: 92379943001, 92379943002, 92379943003, 92379943004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	mg/L	ND	0.00050	0.00025	04/11/18 15:40	
Benzene	mg/L	ND	0.00050	0.00025	04/11/18 15:40	
Ethylbenzene	mg/L	ND	0.00050	0.00025	04/11/18 15:40	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00025	04/11/18 15:40	
Naphthalene	mg/L	ND	0.00050	0.00025	04/11/18 15:40	
Toluene	mg/L	ND	0.00050	0.00025	04/11/18 15:40	
Xylene (Total)	mg/L	ND	0.00050	0.00025	04/11/18 15:40	
1,2-Dichloroethane-d4 (S)	%	112	70-130		04/11/18 15:40	
4-Bromofluorobenzene (S)	%	108	70-130		04/11/18 15:40	
Toluene-d8 (S)	%	106	70-130		04/11/18 15:40	

LABORATORY CONTROL SAMPLE & LCSD: 2384746

2384747

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	mg/L	.04	0.036	0.036	91	89	70-130	2	40	
Benzene	mg/L	.04	0.038	0.039	95	97	70-130	2	40	
Ethylbenzene	mg/L	.04	0.049	0.049	122	122	70-130	0	40	
Methyl-tert-butyl ether	mg/L	.04	0.037	0.039	93	99	70-130	6	40	
Naphthalene	mg/L	.04	0.041	0.042	103	106	70-130	3	40	
Toluene	mg/L	.04	0.044	0.044	109	111	70-130	1	40	
Xylene (Total)	mg/L	.12	0.15	0.15	125	124	70-130	1	40	
1,2-Dichloroethane-d4 (S)	%				96	93	70-130			
4-Bromofluorobenzene (S)	%				130	129	70-130			
Toluene-d8 (S)	%				104	102	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

QC Batch: 405481 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92379943001, 92379943002, 92379943003, 92379943004

METHOD BLANK: 2249197 Matrix: Water
Associated Lab Samples: 92379943001, 92379943002, 92379943003, 92379943004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	50.0	04/09/18 10:52	
Diisopropyl ether	ug/L	ND	1.0	0.12	04/09/18 10:52	
Ethanol	ug/L	ND	200	131	04/09/18 10:52	
Ethyl-tert-butyl ether	ug/L	ND	10.0	0.070	04/09/18 10:52	
tert-Amyl Alcohol	ug/L	ND	100	50.0	04/09/18 10:52	
tert-Amylmethyl ether	ug/L	ND	10.0	0.10	04/09/18 10:52	
tert-Butyl Alcohol	ug/L	ND	100	3.6	04/09/18 10:52	
tert-Butyl Formate	ug/L	ND	50.0	1.9	04/09/18 10:52	
1,2-Dichloroethane-d4 (S)	%	101	70-130		04/09/18 10:52	
4-Bromofluorobenzene (S)	%	105	70-130		04/09/18 10:52	
Toluene-d8 (S)	%	101	70-130		04/09/18 10:52	

LABORATORY CONTROL SAMPLE: 2249198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1090	109	70-130 1g	
Diisopropyl ether	ug/L	50	59.6	119	70-130	
Ethanol	ug/L	2000	2030	102	70-130	
Ethyl-tert-butyl ether	ug/L	100	111	111	70-130	
tert-Amyl Alcohol	ug/L	1000	1090	109	70-130 1g	
tert-Amylmethyl ether	ug/L	100	117	117	70-130	
tert-Butyl Alcohol	ug/L	500	555	111	70-130	
tert-Butyl Formate	ug/L	400	441	110	70-130 1g	
1,2-Dichloroethane-d4 (S)	%			91	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			93	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2249199 2249200

Parameter	Units	92379176024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
3,3-Dimethyl-1-Butanol	ug/L	ND	2000	2000	1720	1600	86	80	70-130	7	30
Diisopropyl ether	ug/L	ND	100	100	101	74.7	101	75	70-130	30	30
Ethanol	ug/L	ND	4000	4000	3730	3100	93	77	70-130	19	30
Ethyl-tert-butyl ether	ug/L	ND	200	200	184	145	92	72	70-130	24	30
tert-Amyl Alcohol	ug/L	ND	2000	2000	1750	1610	87	80	70-130	8	30
tert-Amylmethyl ether	ug/L	ND	200	200	185	150	93	75	70-130	21	30
tert-Butyl Alcohol	ug/L	ND	1000	1000	856	747	86	75	70-130	14	30

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2249199 2249200											
Parameter	Units	92379176024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
tert-Butyl Formate	ug/L	ND	800	800	641	525	80	66	70-130	20	30 M1
1,2-Dichloroethane-d4 (S)	%						98	97	70-130		
4-Bromofluorobenzene (S)	%						104	102	70-130		
Toluene-d8 (S)	%						96	96	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

QC Batch: 405614 Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1 Analysis Description: GCS 504 EDB DBCP
Associated Lab Samples: 92379943001, 92379943002, 92379943003

METHOD BLANK: 2250065 Matrix: Water
Associated Lab Samples: 92379943001, 92379943002, 92379943003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.019	0.019	04/10/18 16:43	
1-Chloro-2-bromopropane (S)	%	105	70-130		04/10/18 16:43	

LABORATORY CONTROL SAMPLE & LCSD: 2250066			2250067							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.25	0.25	0.25	101	101	70-130	4	20	
1-Chloro-2-bromopropane (S)	%				102	100	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2250068				2250069								
Parameter	Units	92379921001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.25	.25	0.31	0.32	123	130	65-135	5	20	
1-Chloro-2-bromopropane (S)	%						126	131	70-130			S0

SAMPLE DUPLICATE: 2250070

Parameter	Units	92379981002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.15	0.14	4	20	
1-Chloro-2-bromopropane (S)	%	115	117	2		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

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.

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.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

1g	Initial calibration evaluation met acceptance criteria. Compound did not meet additional accuracy assessment for percent error
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL 76 TRUCK WSW 18-6276
Pace Project No.: 92379943

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92379943001	WSW-1	EPA 504.1	405614	EPA 504.1	405649
92379943002	WSW-DUP	EPA 504.1	405614	EPA 504.1	405649
92379943003	WSW-FIELD BLANK	EPA 504.1	405614	EPA 504.1	405649
92379943001	WSW-1	EPA 524.2	439327		
92379943002	WSW-DUP	EPA 524.2	439327		
92379943003	WSW-FIELD BLANK	EPA 524.2	439327		
92379943004	WSW-TRIP BLANK	EPA 524.2	439327		
92379943001	WSW-1	EPA 8260	405481		
92379943002	WSW-DUP	EPA 8260	405481		
92379943003	WSW-FIELD BLANK	EPA 8260	405481		
92379943004	WSW-TRIP BLANK	EPA 8260	405481		

REPORT OF LABORATORY ANALYSIS

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	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐

Sample Condition
Upon Receipt

Client Name:

Project #:

WO#: 92379943

Courier: ☐ Fed Ex ☒ UPS ☐ USPS ☐ Client
☐ Commercial ☒ Pace ☐ Other: _____



Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No

Date/Initials Person Examining Contents: 4/6/18

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

Thermometer:

☐ IR Gun ID: 92T036

Type of Ice: ☒ Wet ☐ Blue ☐ None

Biological Tissue Frozen?

☐ Yes ☒ No ☐ N/A

Cooler Temp (°C): 3.1 Correction Factor: Add/Subtract (°C) +0.1

Cooler Temp Corrected (°C): 3.2

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: 4/6/18			
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

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: TC

Date: 4/6/18

Project Manager SRF Review: TC

Date: 4/6/18

	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

*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 bottle

Project #

WO# : 92379943

PM: RWC

Due Date: 04/17/18

CLIENT: 92-MIDLAND

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 2N Acetate & NaOH (>9)	BP4C-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)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG8U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																													
2																													
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Page: 1 of 1

2229114

REGULATORY AGENCY

NPDES	GROUND WATER	DRINKING WATER
-------	--------------	----------------

☒ UST ☐ RCRA ☐ OTHER

Site Location

STATE:

SC | Florence

F-ALL-Q-020rev.07, 15-May-2007

April 26, 2018

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

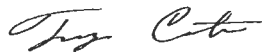
RE: Project: COASTAL 76 TUCK STOP 18-0276
Pace Project No.: 92381576

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on April 19, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Trey Carter
treycarter@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: COASTAL 76 TUCK STOP 18-0276
Pace Project No.: 92381576

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Wyoming Certification: FL NELAC Reciprocity
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: COASTAL 76 TUCK STOP 18-0276
Pace Project No.: 92381576

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92381576001	WSW-1	Water	04/18/18 11:45	04/19/18 13:08
92381576002	DUP	Water	04/18/18 11:45	04/19/18 13:08
92381576003	FIELD BLANK	Water	04/18/18 11:50	04/19/18 13:08
92381576004	TRIP BLANK	Water	04/18/18 11:50	04/19/18 13:08

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: COASTAL 76 TUCK STOP 18-0276
Pace Project No.: 92381576

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92381576001	WSW-1	EPA 524.2	JLR	9	PASI-O
92381576002	DUP	EPA 524.2	JLR	9	PASI-O
92381576003	FIELD BLANK	EPA 524.2	JLR	9	PASI-O
92381576004	TRIP BLANK	EPA 524.2	JLR	9	PASI-O

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TUCK STOP 18-0276

Pace Project No.: 92381576

Sample: WSW-1		Lab ID: 92381576001		Collected: 04/18/18 11:45		Received: 04/19/18 13:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
Benzene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:27	71-43-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:27	100-41-4	
Methyl-tert-butyl ether	0.0030	mg/L	0.00050	0.00025	1		04/24/18 12:27	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:27	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:27	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/24/18 12:27	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/24/18 12:27	460-00-4	
Toluene-d8 (S)	98	%	70-130		1		04/24/18 12:27	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/24/18 12:27	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TUCK STOP 18-0276

Pace Project No.: 92381576

Sample: DUP		Lab ID: 92381576002		Collected: 04/18/18 11:45		Received: 04/19/18 13:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
Benzene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:52	71-43-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:52	100-41-4	
Methyl-tert-butyl ether	0.0027	mg/L	0.00050	0.00025	1		04/24/18 12:52	1634-04-4	
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:52	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/24/18 12:52	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/24/18 12:52	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/24/18 12:52	460-00-4	
Toluene-d8 (S)	99	%	70-130		1		04/24/18 12:52	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/24/18 12:52	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TUCK STOP 18-0276

Pace Project No.: 92381576

Sample: FIELD BLANK		Lab ID: 92381576003		Collected: 04/18/18 11:50		Received: 04/19/18 13:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
Benzene	ND	mg/L	0.00050	0.00025	1		04/23/18 16:39	71-43-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/23/18 16:39	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00025	1		04/23/18 16:39	1634-04-4	L 1
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/23/18 16:39	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/23/18 16:39	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/23/18 16:39	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		04/23/18 16:39	460-00-4	
Toluene-d8 (S)	101	%	70-130		1		04/23/18 16:39	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	70-130		1		04/23/18 16:39	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COASTAL 76 TUCK STOP 18-0276

Pace Project No.: 92381576

Sample: TRIP BLANK		Lab ID: 92381576004		Collected: 04/18/18 11:50		Received: 04/19/18 13:08		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2							
Benzene	ND	mg/L	0.00050	0.00025	1		04/23/18 17:04	71-43-2	
Ethylbenzene	ND	mg/L	0.00050	0.00025	1		04/23/18 17:04	100-41-4	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00025	1		04/23/18 17:04	1634-04-4	L1
Naphthalene	ND	mg/L	0.00050	0.00025	1		04/23/18 17:04	91-20-3	
Toluene	ND	mg/L	0.00050	0.00025	1		04/23/18 17:04	108-88-3	
Xylene (Total)	ND	mg/L	0.00050	0.00025	1		04/23/18 17:04	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		04/23/18 17:04	460-00-4	
Toluene-d8 (S)	102	%	70-130		1		04/23/18 17:04	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%	70-130		1		04/23/18 17:04	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: COASTAL 76 TUCK STOP 18-0276
Pace Project No.: 92381576

QC Batch: 442123 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 92381576003, 92381576004

METHOD BLANK: 2399379 Matrix: Water

Associated Lab Samples: 92381576003, 92381576004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	mg/L	ND	0.00050	0.00025	04/23/18 11:39	
Ethylbenzene	mg/L	ND	0.00050	0.00025	04/23/18 11:39	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00025	04/23/18 11:39	
Naphthalene	mg/L	ND	0.00050	0.00025	04/23/18 11:39	
Toluene	mg/L	ND	0.00050	0.00025	04/23/18 11:39	
Xylene (Total)	mg/L	ND	0.00050	0.00025	04/23/18 11:39	
1,2-Dichloroethane-d4 (S)	%	110	70-130		04/23/18 11:39	
4-Bromofluorobenzene (S)	%	91	70-130		04/23/18 11:39	
Toluene-d8 (S)	%	101	70-130		04/23/18 11:39	

LABORATORY CONTROL SAMPLE & LCSD: 2399380

2399381

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	mg/L	.02	0.018	0.018	89	88	70-130	2	40	
Ethylbenzene	mg/L	.02	0.017	0.018	87	89	70-130	2	40	
Methyl-tert-butyl ether	mg/L	.02	0.022	0.030	112	152	70-130	30	40	L1
Naphthalene	mg/L	.02	0.015	0.016	75	79	70-130	5	40	
Toluene	mg/L	.02	0.016	0.016	80	80	70-130	1	40	
Xylene (Total)	mg/L	.06	0.053	0.055	89	91	70-130	3	40	
1,2-Dichloroethane-d4 (S)	%				104	99	70-130			
4-Bromofluorobenzene (S)	%				103	102	70-130			
Toluene-d8 (S)	%				103	101	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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QUALITY CONTROL DATA

Project: COASTAL 76 TUCK STOP 18-0276
Pace Project No.: 92381576

QC Batch: 442395 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 92381576001, 92381576002

METHOD BLANK: 2400516 Matrix: Water
Associated Lab Samples: 92381576001, 92381576002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	mg/L	ND	0.00050	0.00025	04/24/18 12:03	
Ethylbenzene	mg/L	ND	0.00050	0.00025	04/24/18 12:03	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00025	04/24/18 12:03	
Naphthalene	mg/L	ND	0.00050	0.00025	04/24/18 12:03	
Toluene	mg/L	ND	0.00050	0.00025	04/24/18 12:03	
Xylene (Total)	mg/L	ND	0.00050	0.00025	04/24/18 12:03	
1,2-Dichloroethane-d4 (S)	%	99	70-130		04/24/18 12:03	
4-Bromofluorobenzene (S)	%	105	70-130		04/24/18 12:03	
Toluene-d8 (S)	%	98	70-130		04/24/18 12:03	

LABORATORY CONTROL SAMPLE & LCSD: 2400517			2400518							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	mg/L	.02	0.017	0.017	86	86	70-130	1	40	
Ethylbenzene	mg/L	.02	0.018	0.018	89	89	70-130	0	40	
Methyl-tert-butyl ether	mg/L	.02	0.019	0.020	95	98	70-130	3	40	
Naphthalene	mg/L	.02	0.018	0.019	92	95	70-130	3	40	
Toluene	mg/L	.02	0.018	0.018	91	90	70-130	1	40	
Xylene (Total)	mg/L	.06	0.054	0.054	89	90	70-130	0	40	
1,2-Dichloroethane-d4 (S)	%				94	96	70-130			
4-Bromofluorobenzene (S)	%				103	105	70-130			
Toluene-d8 (S)	%				98	99	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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QUALIFIERS

Project: COASTAL 76 TUCK STOP 18-0276
Pace Project No.: 92381576

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.
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.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COASTAL 76 TUCK STOP 18-0276

Pace Project No.: 92381576

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92381576001	WSW-1	EPA 524.2	442395		
92381576002	DUP	EPA 524.2	442395		
92381576003	FIELD BLANK	EPA 524.2	442123		
92381576004	TRIP BLANK	EPA 524.2	442123		

REPORT OF LABORATORY ANALYSIS

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	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville ☐ Eden ☐ Greenwood ☐ Huntersville ☒ Raleigh ☐ Mechanicsville ☐

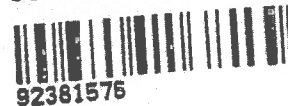
Sample Condition Upon Receipt

Client Name:

MTCL

Project #:

WO#: 92381576



Courier:

☐ Commercial

☐ Fed Ex

☒ Pace

☐ UPS

☐ USPS

☐ Other: _____

☐ Client

Custody Seal Present?

☐ Yes

☒ No

Seals Intact?

☐ Yes

☒ No

Date/Initials Person Examining Contents:

UP 4/19/18

Packing Material:

☐ Bubble Wrap

☒ Bubble Bags

☐ None

☐ Other

Thermometer:

☒ IR Gun ID: 92T036

Type of Ice: ☐ Wet

☐ Blue

☐ None

Biological Tissue Frozen?

☐ Yes

☐ No

☒ N/A

Cooler Temp (°C): *07*

Correction Factor: Add/Subtract (°C) *+0.1*

Cooler Temp Corrected (°C): *08*

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.	<i>No dates, time on samples</i>
-Includes Date/Time/ID/Analysis Matrix: <i>WT</i>			
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:

TC

Date:

4/19/18

Project Manager SRF Review:

TC

Date:

4/19/18

	Document Name:	Document Revised: February 7, 2018
	Sample Condition Upon Receipt(SCUR)	Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.06	Issuing Authority: Pace Carolinas Quality Office

*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 bottle

Project #

WO# : 92381576

PM: RWC

Due Date: 04/30/18

CLIENT: 92-MIDLAND

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 2N Acetate & NaOH (>9)	BP4C-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)	AG3A/DG3A)-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 Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																													
2																													
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 1 2192058	
Company: MECI		Report To: B. Shane		Attention:		REGULATORY AGENCY ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☒ UST ☐ RCRA ☐ OTHER	
Address: 231 Dooly Rd Lexington, SC 29073		Copy To:		Company Name:			
Email To: JLC@meci.net		Purchase Order No.:		Address:		Site Location STATE: SC Florence	
Phone: 803-808-2043 Fax:		Project Name: Coastal 76 Truck Stop		Pace Quote Reference:			
Requested Due Date/TAT:		Project Number: 18-6276		Pace Project Manager: T-Carron			
				Pace Profile #:			

[illegible]

ORIGINAL

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Todd Elder					
SIGNATURE of SAMPLER: 	DATE Signed (MM/DD/YY): 4-8-18				

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

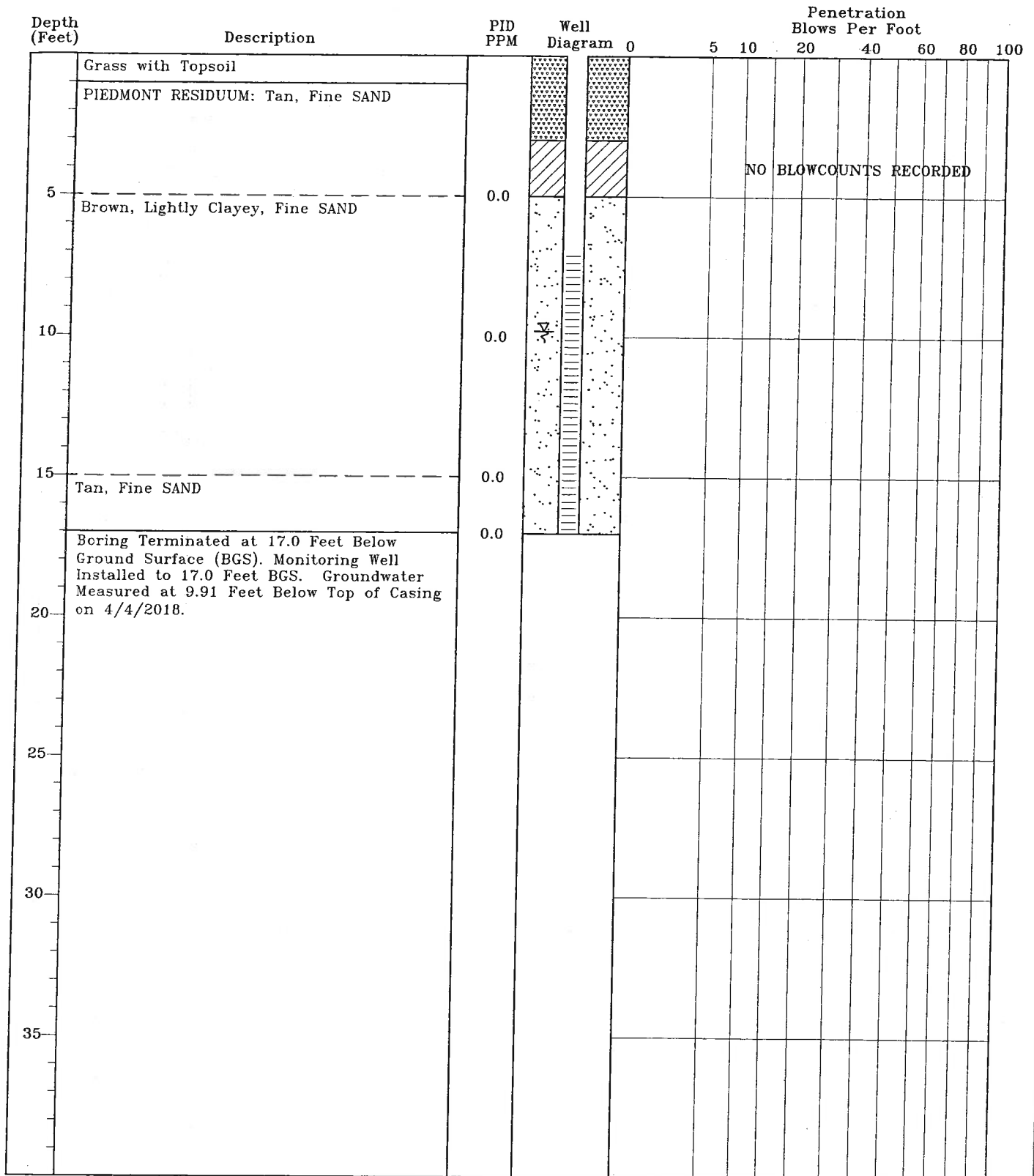
F-ALL-Q-020rev.07, 15-May-2007

APPENDIX C:

TAX MAP
(Not Applicable)

APPENDIX D:
SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS
(Not Applicable)

APPENDIX E:
WELL COMPLETION LOGS & 1903 FORMS



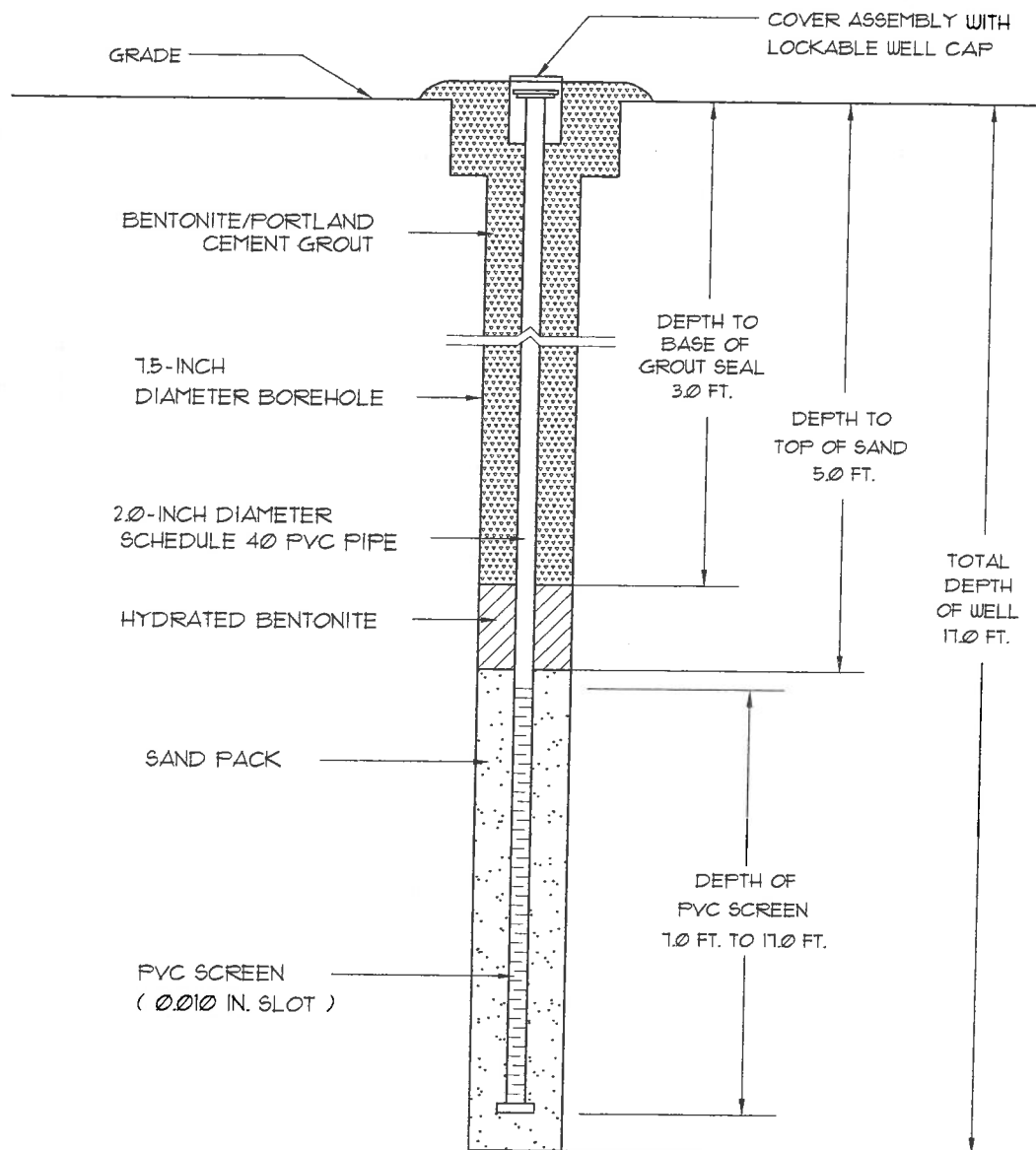
TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 18-6276

Boring Number: 03538-MWI0RR
Date Drilled: 3/29/2018
Drilled By: EDPs, LLC.
Logged By: B. Garner

Prepared By:
 Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29013
(803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 18-6276

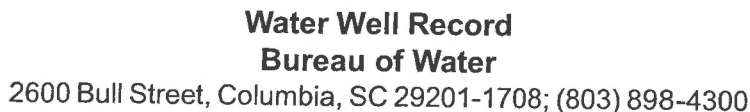


Well Number:	03538-MW10RR
Date Drilled:	3/29/2018
Drilled By:	EDPS, LLC.
Driller: J. Kiker	S.C. I.D.#: B2200
Logged By:	B. Garner

Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048



DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 14472 Date: 3/29/2018
Drilling Company: EDPS, LLC Driller: Jacob Kiker
Field Personnel: Jacob Kiker/Bryce Garner Driller Certification Number: B 2200
Weather Conditions: Sunny Temp. (°F): 70

Well Development Method

Surge Block: _____ Submersible Pump: X Air Lifting: _____
**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: _____ Direct Push: _____
Air Rotary: _____ Mud Rotary: _____ Sonic: _____

Monitoring Well ID#: MW-10RR Well Casing Diameter (in): 2 Borehole Diameter (in): 7.5
Depth to Ground Water (DGW): 10.45 ft. Screen Length (ft): 10 Slot Size (in): 0.010
Total Well Depth (TWD): 16.68 ft. Screen Interval: 7.0 ft. to 17.0 ft.
Length of Water Column (TWD-DGW): 6.23 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 15.00 gals. Drilling Fluids Recovered: N/A

Time:	14:18	14:25	14:34	14:42	14:51			
pH(s.u)*:	6.35	6.42	6.38	6.40	6.39			
Specific Conductivity (mmhos/cm):	158.7	140.5	142.6	135.9	137.8			
Water Temperature (°C)*:	20.0	18.7	18.1	18.0	18.0			
Turbidity (NTU)*:	564.80	258.7	112.40	54.74	9.81			
Physical Characteristics (color/odor):	Cloudy/ No Odor	Cloudy/ No Odor	Clear/ No Odor	Clear/ No Odor	No Clear/ No Odor			
Depth to Water (ft from TOC):	10.45	12.98	15.41	14.54	11.63			
Cumulative Gallons Removed:	0.00	3.00	7.00	12.00	15.00			

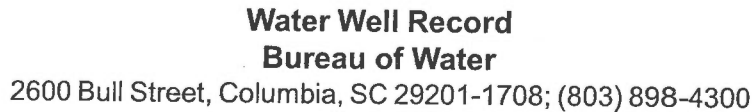
*Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are $\pm 10\%$

Detailed Description of Well Development Process:

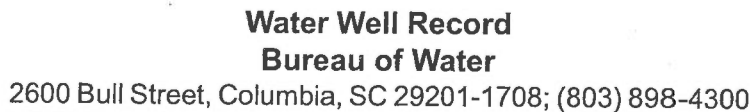
The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 15.0 gallons were removed.

Driller Signature: _____

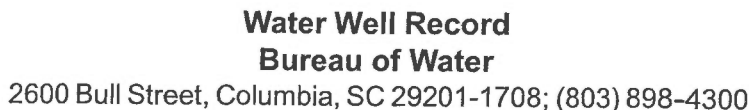
Date: 4/17/2018



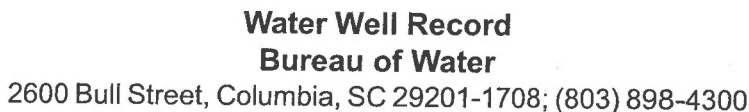
COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



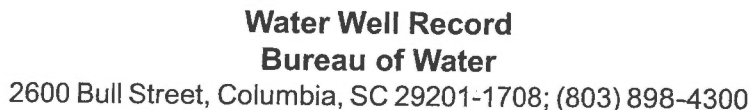
COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)

APPENDIX F:
AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS



Summary of Slug Test Underground Storage Tank Management Division

Site Data

SITE ID #: 03538 COUNTY: Florence
FACILITY NAME: Coastal 76 Truck Stop Date Performed: 4/4/2018

SLUG DATA

See Appendix F Table _____ Figure _____ for a list of all data measurements.
(water level logs, etc.)(Complete as appropriate).

Water Level Recovery Data was measured by Manually with Water Level Indicator
(Hermit Data Logger, Manually with Water Level Indicator, etc.)(List Method)

Complete the following table for each well tested.

COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in well(s) number

Time Performed (military)

Static Water Level (feet)

Initial Rise/Drawdown in well (+/-feet)

Radius of well casing (feet)

Effective Radius of Well (feet)

Static Saturated Aquifer Thickness (feet)

Length of Well Screen (feet)

MW-4	MW-8		
11:45	12:30		
11.29	9.41		
1.600	1.460		
0.083	0.083		
0.33	0.33		
7.06	8.88		
10	10		

Calculations

See Appendix F Table 4 Figure _____ for calculations

The method for aquifer calculations was NAVFAC

The aquifer is _____ confined _____ semi-confined X water table (Check as Appropriate).

A hydraulic gradient of 1.43E-03 ft./ft. ("shallow")

Calculated values by well were as follows:

Slug Test Conducted in Well(s) number

Thickness of Aquifer (feet)

Hydraulic Conductivity (cm/sec)

Hydraulic Conductivity (ft/day)

Hydraulic Conductivity (feet/year)

Effective Porosity (%)

Soil Type (i.e. silty sand, clay, etc.)

Seepage Velocity (feet/day)

Seepage Velocity (feet/year)

MW-4	MW-8		Mathematical Mean
7.06	8.88		N/A
1.81E-04	5.08E-04		3.45E-04
5.13E-01	1.44E+00		9.77E-01
1.87E+02	5.26E+02		3.56E+02
20%	20%		20%
Fine SAND	Fine SAND		N/A
0.003665	0.0102857		0.01
1.34	3.75		2.55

DHEC 3531 (04/2015)

Inflow Permeability Calculation

Coastal 76 Truck Stop

Test Performed: 4/4/2018

03538-MW04

Type II (Uncased Well)

Static: 11.29 ft

*Enter Values in Shaded Areas Only

Time (min)	Depth	delta H	Ht/Ho
0.08	12.89	1.60	1.00
0.16	12.52	1.23	0.77
0.25	12.32	1.03	0.64
0.33	12.17	0.88	0.55
0.42	12.02	0.73	0.46
0.50	11.88	0.59	0.37
0.58	11.80	0.51	0.32
0.67	11.74	0.45	0.28
0.75	11.68	0.39	0.24
0.83	11.65	0.36	0.23
0.92	11.63	0.34	0.21
1.00	11.61	0.32	0.20
1.08	11.60	0.31	0.19
1.16	11.59	0.30	0.19
1.25	11.58	0.29	0.18
1.33	11.57	0.28	0.18
1.42	11.57	0.28	0.18
1.50	11.56	0.27	0.17
1.58	11.55	0.26	0.16
1.67	11.54	0.25	0.16
1.75	11.54	0.25	0.16
1.83	11.54	0.25	0.16
1.92	11.53	0.24	0.15
2.00	11.53	0.24	0.15
2.08	11.53	0.24	0.15
2.16	11.52	0.23	0.14
2.25	11.52	0.23	0.14
2.33	11.51	0.22	0.14
2.42	11.50	0.21	0.13

Information from data and plot of Ht/Ho vs time

Bore Hole Diameter: 7.5 in

Total Depth of Well: 18.35 ft

Stand Pipe Area: 44.18 in²0.31 ft²

Coordinates from Graph for Slope Calc:

H1/Ho: 0.20

t1: 1.00 min

H2/Ho: 0.16

t2: 1.83 min

H1: 0.32

H2: 0.26

t1: 1.00

t2: 1.83

Radius R: 3.75 in

Radius R: 0.31 ft

Depth D: 7.06 ft

R/D: 0.044

D/R: 22.59

Shape Factor Determination Value: 0.959207 *

*This value is used in conjunction with

Figure 13 of Reference [1] to obtain the shape factor.

Shape Factor S: 0.6

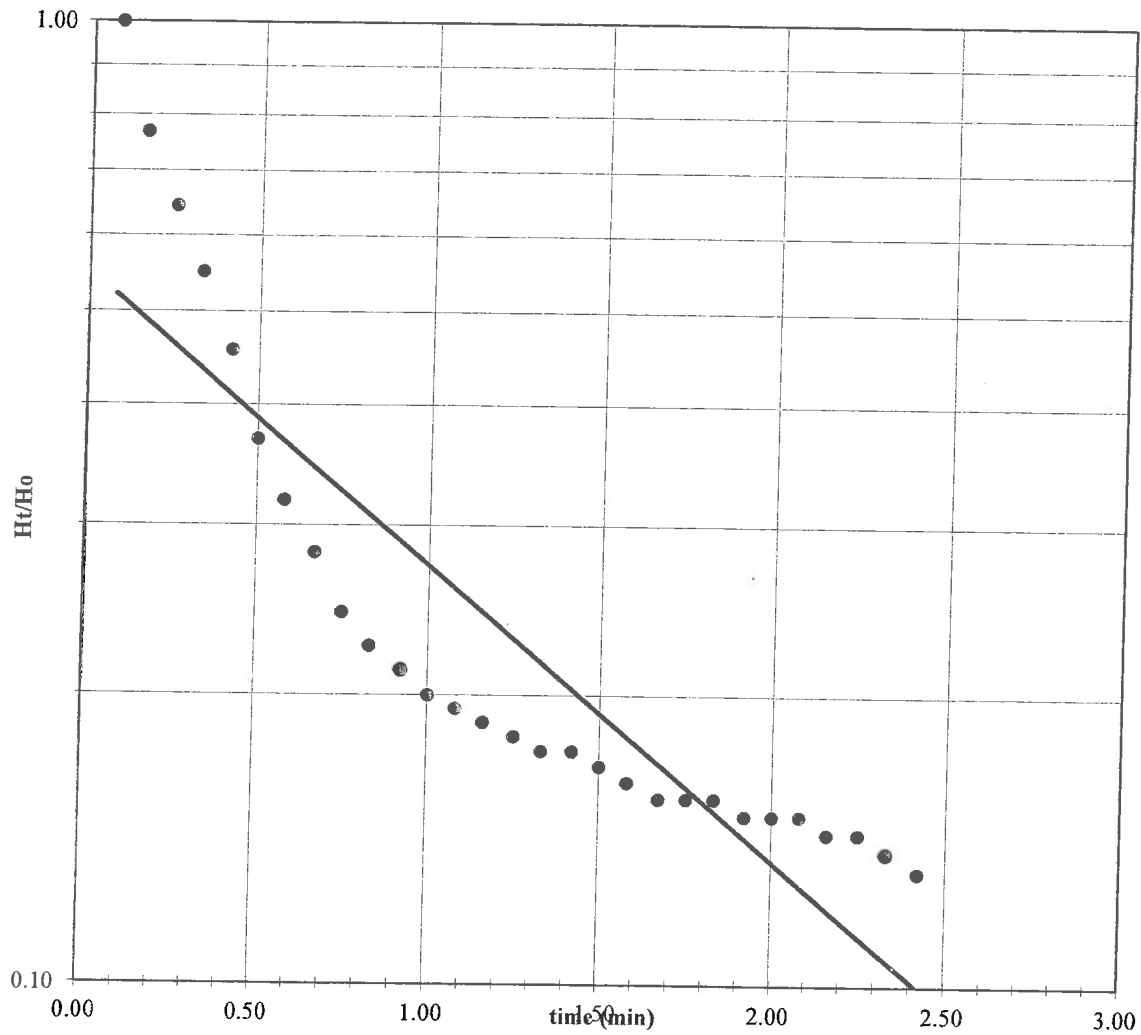
Coeff. of Permeability (K):

3.56E-04 ft/min

5.12E-01 ft/day

1.81E-04 cm/sec

Ref [1]: Naval Fac. Engr. Command, Design Manual 7.01, soil Mechanics, Condition A.



 Midlands
Environmental
Consultants, Inc.

231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

Inflow Permeability Calculation

Coastal 76 Truck Stop

Test Performed: 4/4/2018

03538-MW08

Type II (Uncased Well)

*Enter Values in Shaded Areas Only

Static: 9.41 ft

Information from data and plot of Ht/Ho vs time

Time (min)	Depth	delta H	Ht/Ho
0.08	10.87	1.46	1.00
0.16	10.70	1.29	0.88
0.25	10.57	1.16	0.79
0.33	10.46	1.05	0.72
0.42	10.34	0.93	0.64
0.50	10.24	0.83	0.57
0.58	10.16	0.75	0.51
0.67	10.09	0.68	0.47
0.75	10.03	0.62	0.42
0.83	9.97	0.56	0.38
0.92	9.92	0.51	0.35
1.00	9.88	0.47	0.32
1.08	9.84	0.43	0.29
1.16	9.81	0.40	0.27
1.25	9.79	0.38	0.26
1.33	9.76	0.35	0.24
1.42	9.74	0.33	0.23
1.50	9.72	0.31	0.21
1.58	9.70	0.29	0.20
1.67	9.69	0.28	0.19
1.75	9.68	0.27	0.18
1.83	9.67	0.26	0.18
1.92	9.67	0.26	0.18
2.00	9.66	0.25	0.17
2.08	9.66	0.25	0.17
2.16	9.65	0.24	0.16
2.25	9.64	0.23	0.16
2.33	9.64	0.23	0.16
2.42	9.64	0.23	0.16
2.50	9.63	0.22	0.15
2.58	9.63	0.22	0.15
2.67	9.63	0.22	0.15
2.75	9.63	0.22	0.15
2.83	9.62	0.21	0.14
2.92	9.62	0.21	0.14
3.00	9.62	0.21	0.14

Bore Hole Diameter: 7.5 in
 Total Depth of Well: 18.29 ft
 Stand Pipe Area: 44.18 in²
 0.31 ft²

Coordinates from Graph for Slope Calc:

H1/Ho: 0.32
 t1: 1.00 min
 H2/Ho: 0.18
 t2: 1.75 min

H1: 0.47 H2: 0.26
 t1: 1.00 t2: 1.75

Radius R: 3.75 in
 Radius R: 0.31 ft
 Depth D: 8.88 ft

R/D: 0.035
 D/R: 28.42

Shape Factor Determination Value: 0.958896 *

*This value is used in conjunction with

Figure 13 of Reference [1] to obtain the shape factor.

Shape Factor S: 0.6

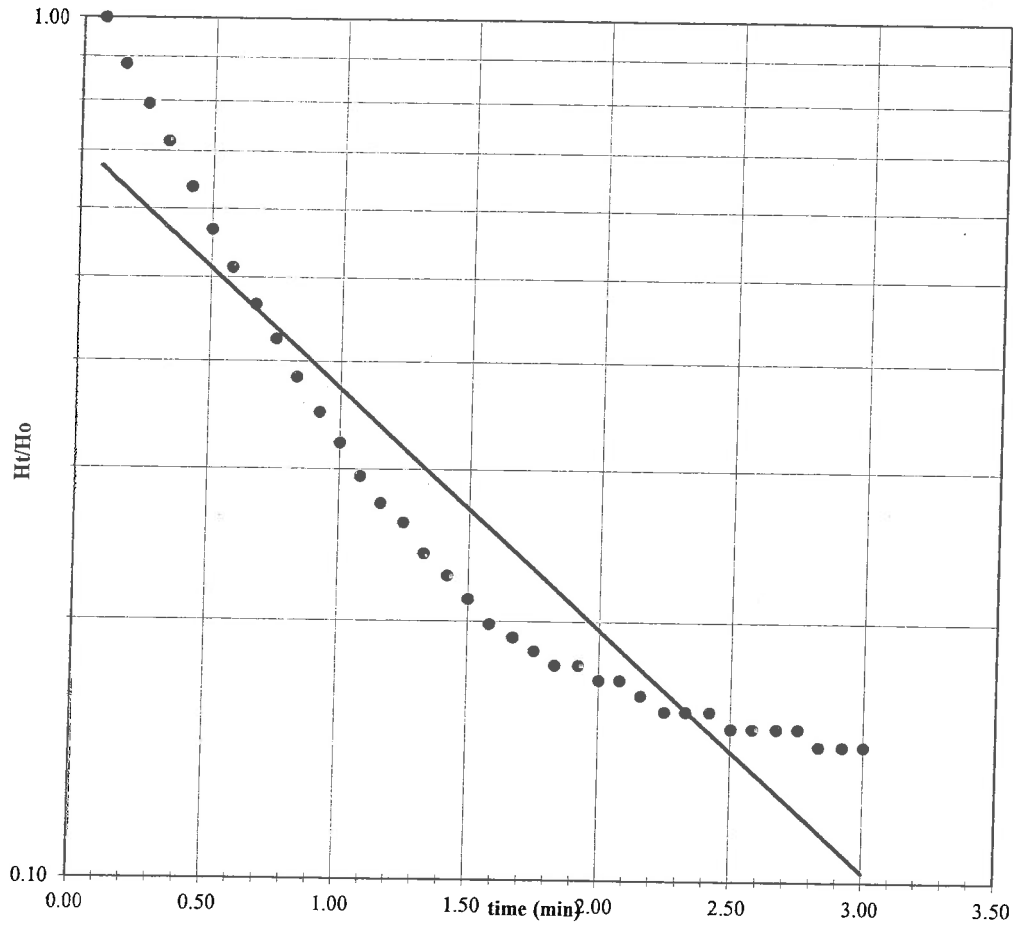
Coeff. of Permeability (K):

9.99E-04 ft/min

1.44E+00 ft/day

5.08E-04 cm/sec

Ref [1]: Naval Fac. Engr. Command, Design Manual 7.01, soil Mechanics, Condition A.



 Midlands
Environmental
Consultants, Inc.

231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048



Summary of Slug Test Underground Storage Tank Management Division

Site Data

SITE ID #: 03538 COUNTY: Florence
FACILITY NAME: Coastal 76 Truck Stop Date Performed: 4/4/2018

SLUG DATA

See Appendix F Table _____ Figure _____ for a list of all data measurements.
(water level logs, etc.)(Complete as appropriate).

Water Level Recovery Data was measured by Manually with Water Level Indicator
(Hermit Data Logger, Manually with Water Level Indicator, etc.)(List Method)

Complete the following table for each well tested.

COMPLETE A SECOND SHEET IF MORE THAN FOUR WELLS ARE TESTED

Slug Test Conducted in well(s) number
Time Performed (military)
Static Water Level (feet)
Initial Rise/Drawdown in well (+/-feet)
Radius of well casing (feet)
Effective Radius of Well (feet)
Static Saturated Aquifer Thickness (feet)
Length of Well Screen (feet)

TW-1			
11:30			
11.53			
2.040			
0.083			
0.33			
24.47			
5			

Calculations

See Appendix F Table 4 Figure _____ for calculations

The method for aquifer calculations was NAVFAC

The aquifer is _____ confined X unconfined _____ water table (Check as Appropriate).

A hydraulic gradient of 3.37E-03 ft./ft. ("Deep")

Calculated values by well were as follows:

Slug Test Conducted in Well(s) number
Thickness of Aquifer (feet)
Hydraulic Conductivity (cm/sec)
Hydraulic Conductivity (ft/day)
Hydraulic Conductivity (feet/year)
Effective Porosity (%)
Soil Type (i.e. silty sand, clay, etc.)
Seepage Velocity (feet/day)
Seepage Velocity (feet/year)

TW-1			
24.47			
1.79E-04			
5.07E-01			
1.85E+02			
20%			
Fine SAND			
0.008549			
3.12			

Inflow Permeability Calculation

Coastal 76 Truck Stop

Test Performed: 4/4/2018

03538-TW01

Static: 11.53 ft

*Enter Values in Shaded Areas Only

Time (min)	Depth	delta H	H _t /H ₀
0.08	13.57	2.04	1.00
0.16	13.32	1.79	0.88
0.25	13.12	1.59	0.78
0.33	12.95	1.42	0.70
0.42	12.81	1.28	0.63
0.50	12.67	1.14	0.56
0.58	12.55	1.02	0.50
0.67	12.47	0.94	0.46
0.75	12.42	0.89	0.44
0.83	12.38	0.85	0.42
0.92	12.34	0.81	0.40
1.00	12.30	0.77	0.38
1.08	12.27	0.74	0.36
1.16	12.24	0.71	0.35
1.25	12.22	0.69	0.34
1.33	12.20	0.67	0.33
1.42	12.18	0.65	0.32
1.50	12.16	0.63	0.31
1.58	12.13	0.60	0.29
1.67	12.10	0.57	0.28
1.75	12.08	0.55	0.27
1.83	12.06	0.53	0.26
1.92	12.05	0.52	0.25
2.00	12.04	0.51	0.25
2.08	12.03	0.50	0.25
2.16	12.02	0.49	0.24
2.25	12.00	0.47	0.23
2.33	11.99	0.46	0.23
2.42	11.99	0.46	0.23
2.50	11.98	0.45	0.22
2.67	11.96	0.43	0.21
2.83	11.95	0.42	0.21
3.00	11.94	0.41	0.20
3.33	11.91	0.38	0.19
3.67	11.90	0.37	0.18
4.00	11.88	0.35	0.17
4.50	11.87	0.34	0.17

Information from data and plot of H_t/H₀ vs time

Diameter of Intake: 6 in

Length of Intake (L): 7 ft

Diameter of Standpipe: 2 in

* Formation Data Taken From SCDHEC Files

Coordinates from Graph for Slope Calc:

H₁/H₀: 0.27t₁: 1.75 minH₂/H₀: 0.21t₂: 2.83 minH₁: 0.55H₂: 0.43t₁: 1.75t₂: 2.83

Intake Radius: 4.00 in

Intake Radius (rint): 0.33 ft

Standpipe Radius: 1.00 in

Standpipe Radius (rsp): 0.083 ft

Calc1= 0.000496

(rsp²)/2L

Calc2= 3.044522

ln(L/rint)

Calc3= 0.251314

ln(H₁/H₂)

Calc4= 1.08

(t₂-t₁)

$$K = \text{Calc1} * \text{Calc2} * (\text{Calc3} / \text{Calc4})$$

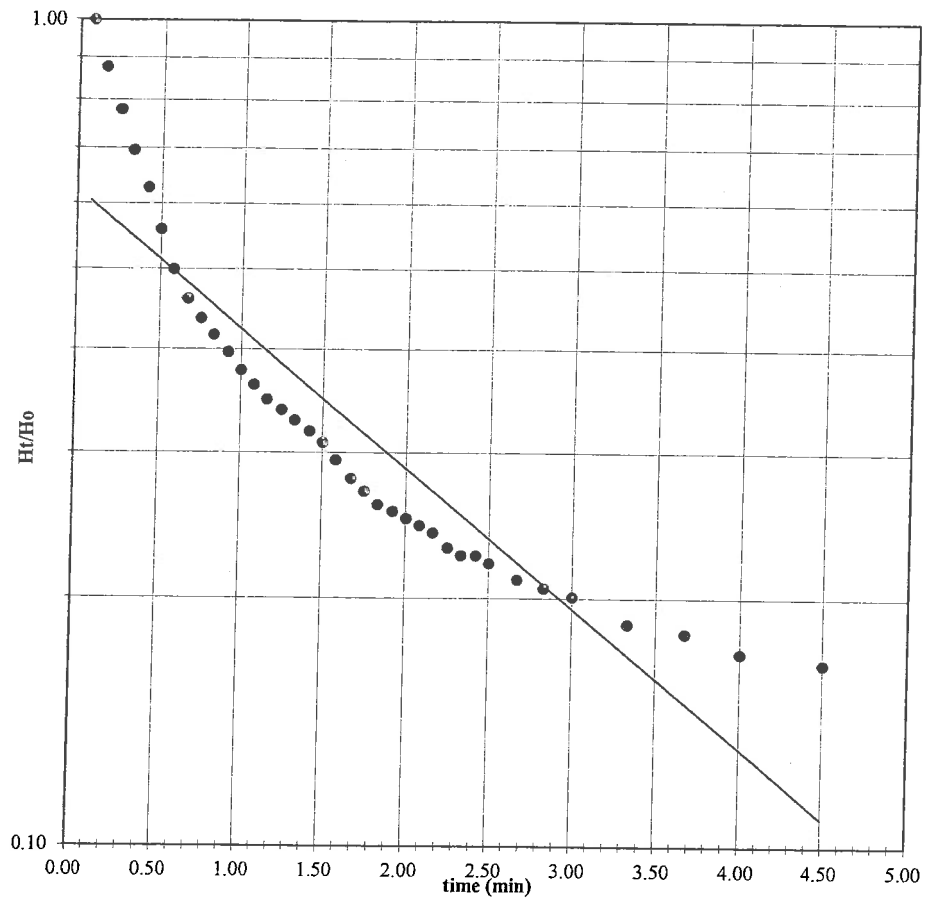
Coeff. of Permeability (K):

0.000351 ft/min

5.06E-01 ft/day

1.79E-04 cm/sec

Naval Fac. Engr. Command, Design Manuel 7.01, Soil Mechanics: Condition C



Midlands
Environmental
Consultants, Inc.

APPENDIX G:
DISPOSAL MANIFEST



April 30, 2018

Re: Treatment of Purge Water
Coastal Truck Stop 76
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 18-6276

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 30 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

April 30, 2018

15.00 gallons were treated on March 29, 2018, during well development at the referenced site.

8.50 gallons were treated on March 29, 2018, during groundwater sampling at the referenced site.

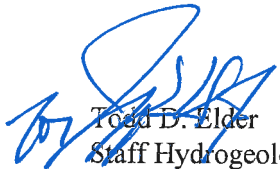
17.50 gallons were treated on April 4, 2018, during groundwater sampling at the referenced site.

A total of 41.0 gallons were treated at the subject site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.



Todd D. Elder
Staff Hydrogeologist



Richland County LF
1047 Highway Church Road
Elgin, SC, 29045
Ph: (803) 788-3054

Original
Ticket# 1592319

Customer Name MIDLANDSENVIRON MIDLANDS ENVI Carrier MIDLANDSENVIRON MIDLANDS ENVIRONMENT
Ticket Date 03/30/2018 Vehicle# 1 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000469
State Waste Code Gen EPA ID
Manifest 0
Destination
PO
Profile VA2718 (SOIL FROM UST ASSESSMENT)
Generator 126-MIDLANDSENVIRONMENTAL MIDLANDS ENVIRONMENTAL

	Time	Scale	ScaleMaster	Gross	
In	03/30/2018 11:14:33	Inbound #2	KENNY1	Tare	16900 1b
Out	03/30/2018 11:29:52	Outbound	KENNY1	Net	9300 1b
				Tons	7600 1b
					3.80

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 SOIL-Cont. Soil -	100	3.80	Tons				32-LEXINGT
2 FUEL-Fuel Surcharg	100		%				32-LEXINGT
3 EVF-P-Standard Env	100		%				32-LEXINGT
4 RCR-P-Regulatory C	100		%				32-LEXINGT

Total Fees
Total Ticket

SIGNATURE



SPECIAL WASTE MANIFEST

WASTE ID NUMBER

VA2718

EXPIRATION DATE

November 17, 2019

Richland Landfill

1047 Highway Church Road

Elgin, SC 29045



Special Waste Phone: 803-744-3345

Fax: 866-904-7194

Prepared by:

Sandra Reeves

GENERATOR OF WASTE:

MIDLANDS ENV. CONSULTANTS, INC. - VARIOUS

CUSTOMER:

MIDLANDS ENV. CONSULTANTS, INC.

ACCOUNT NUMBER:

820-469

LOCATION OF WASTE:

CITY: Lexington

COUNTY:

Lexington

PHONE NUMBER:

803-808-2043

CONTACT:

LYNN SHANE

FAX NUMBER:

803-808-2048

GENERATOR'S SIGNATURE

DATE:

3/30/18

TRANSPORTER OF WASTE:

MECI

DATE:

3/30/18

TRUCK NUMBER:

1

DRIVER'S SIGNATURE

**** TO BE COMPLETED BY RICHLAND LANDFILL*****

DISPOSAL SITE:

RICHLAND LANDFILL ELGIN, SC

Waste Class: SOIL

DESCRIPTION OF WASTE: SOIL FROM UST ASSESSMENT

TICKET NUMBER:

1592319

TONNAGE:

RECEIVED BY:

10% Lucas Property

10% Coastal Mart 76%

80% Starco/Hammon Oil

APPENDIX H:
LOCAL ZONING REGULATIONS
(Not Applicable)

APPENDIX I:
FATE AND TRANSPORT MODELING
(Not Applicable)

APPENDIX J:
ACCESS AGREEMENTS
(Not Applicable)

APPENDIX K:
DATA VERIFICATION CHECKLIST

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Are 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? (Table 2 & Figure 5)	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? (Appendix B)	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?	X		
27	Does the report include a brief discussion of the fate & transport models used?			X

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the <u>current</u> and historical laboratory data been provided in tabular format? (Table 3)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)	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? (Figures 4, 4A, 4B, 4C)	X		
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)	X		
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix K)	X		



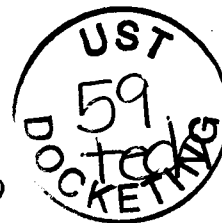
Midlands Environmental Consultants, Inc.

July 31, 2019

Ms. Sedona Edgar, Hydrogeologist
Assessment & Unregulated Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201



Subject: Site-Specific Work Plan
Coastal Truck Stop 76
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 19-7012
Certified Site Rehabilitation Contractor UCC-0009

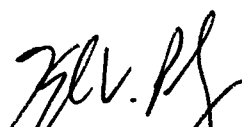


Dear Ms. Edgar,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

If you have any question or comments please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.



Kyle V. Pudney
Project Biologist



Jeff L. Coleman
Senior Scientist



**Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division**

To: Ms. Sedona Edgar (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal Truck Stop 76 UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence, SC 29506
Responsible Party: Dan McEachin Phone: 803-651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): SAA
Property Owner Address: SAA
Current Use of Property: Construction Site

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☒ Groundwater Sampling ☐ GAC
☐ Tier I ☐ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☒ BTEXNMDCA (8260B)	☐ Lead	☐ BOD	☐ Methane
☒ Oxygenates (8260B)	☐ 8 RCRA Metals	☐ Nitrate	☐ Ethanol
☒ EDB (8011)	☐ TPH	☐ Sulfate	☐ Dissolved Iron
☐ PAH (8270D)	☐ pH	☐ Other _____	

Drinking Water Supply Wells:

☐ BTEXNMDCA (524.2)	☐ Mercury (200.8 245.1 or 245.2)	☐ EDB (504.1)
☐ Oxygenates & Ethanol (8260B)	☐ RCRA Metals (200.8)	

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	_____ Water Supply Wells	_____ Air	_____ 2 Field Blank
_____ 21 Monitoring Wells	_____ Surface Water	_____ 2 Duplicate	_____ 2 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: _____ Estimated Footage: _____ feet per point
of deep points proposed: _____ Estimated Footage: _____ feet per point

Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

of shallow wells: _____ 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 #: 03538 Facility Name: Coastal Truck Stop 76

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 7/31/2019

Field Work Completion: 8/31/2019

Report Submittal: 9/30/2019

of Copies Provided to Property Owners: 2

Aquifer Characterization

Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal

Soil: _____ Tons

Purge Water: 200.0 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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-During the most recent site visits, monitoring wells MW-14, MW-16, MW-21, MW-22, MW-22D were unable to be located. These wells may have been destroyed or covered a large fill pile to be used for a future road widening project along Kopper's Road.

-Monitoring wells MW-17, MW-23, MW-24, MW-25, and MW-26 have been previously abandoned.

-All located monitoring wells will be purged prior to sampling and analyzed for BTEXNM, DCA, OxyS (8260B) and EDB (8011).

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)

Yes Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.

Name of Laboratory: _____

SCDHEC Certification Number: _____

Name of Laboratory Director: _____

Yes Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

None 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

Proposed monitoring well locations

Location of property lines

Legend with facility name and address, UST permit number, and bar scale

Location of buildings

Streets or highways (indicate names and numbers)

Previous soil sampling locations

Location of all present and former ASTs and USTs

Previous monitoring well locations

Location of all potential receptors

Proposed soil boring locations

3. Assessment Component Cost Agreement, SCDHEC Form D-3664



Healthy People. Healthy Communities.

ASSESSMENT COMPONENT COST AGREEMENT

SOUTH CAROLINA

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

June 15, 2017

Facility Name: Coastal Truck Stop 76

UST Permit #: 03538

Cost Agreement #:

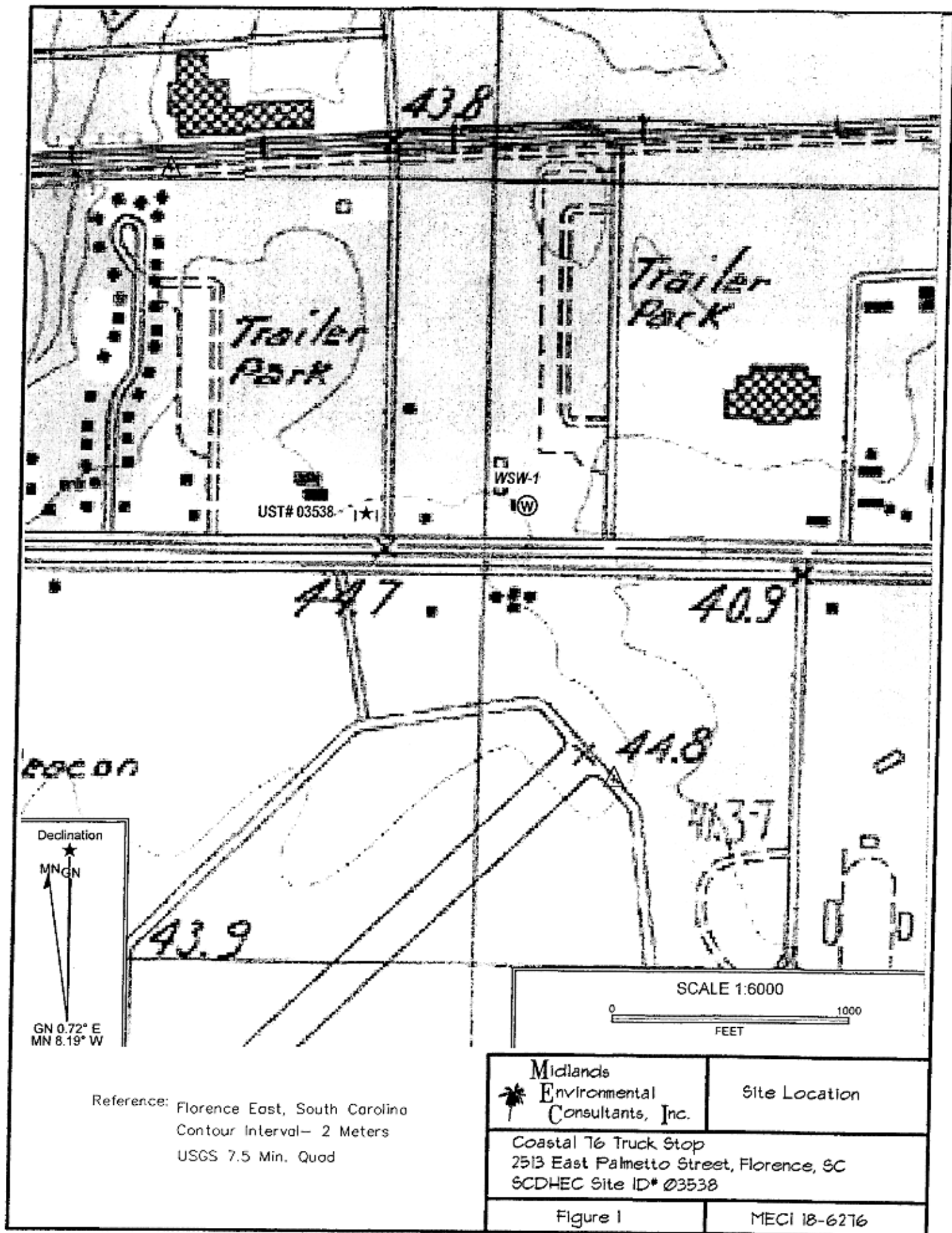
Proposal

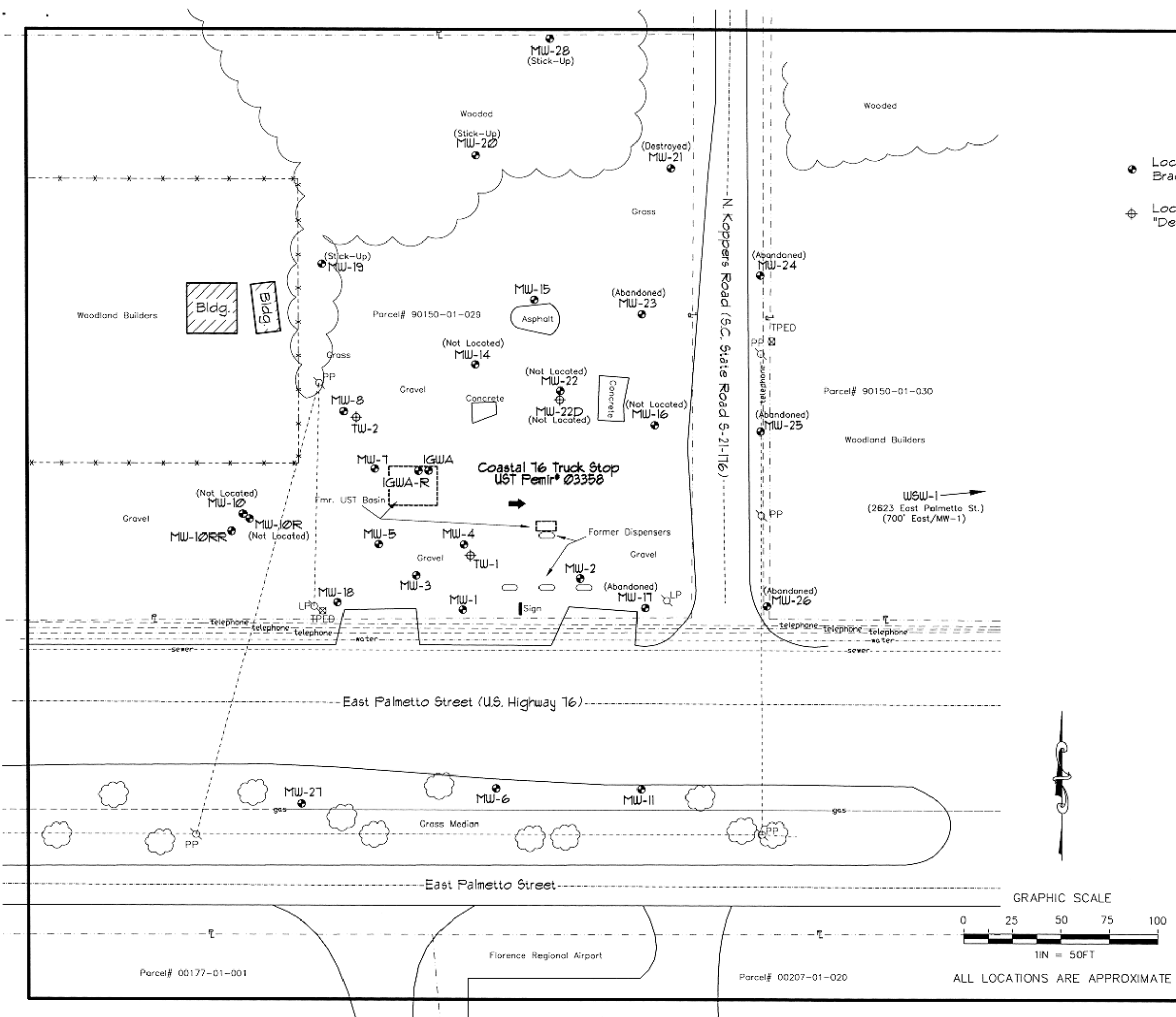
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. Plan Preparation				
A1. Site-specific Work Plan	1	each	\$150.00	\$150.00
B1. Tax Map		each	\$70.00	\$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
2. A1. Receptor Survey *		each	\$551.00	\$0.00
3. Survey (500 ft x 500 ft)				
A1. Comprehensive Survey		each	\$1,040.00	\$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	\$1,300.00	\$0.00
2B. > 10 meters below grade		each	\$2,310.00	\$0.00
C1. Geophysical UST or Drum Survey		each	\$910.00	\$0.00
4. Mob/Demob				
A1. Equipment		each	\$1,020.00	\$0.00
B1. Personnel	3	each	\$423.00	\$1,269.00
C1. Adverse Terrain Vehicle		each	\$500.00	\$0.00
5. A1. Soil Borings (hand auger)*		foot	\$5.00	\$0.00
6. Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)*				
AA. Standard		per foot	\$15.00	\$0.00
C1. Fractured Rock		per foot	\$20.20	\$0.00
7. A1. Soil Leachability Model		each	\$60.00	\$0.00
8. Abandonment (per foot)*				
A1. 2" diameter or less		per foot	\$3.10	\$0.00
B1. Greater than 2" to 6" diameter		per foot	\$4.50	\$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	\$15.00	\$0.00
9. Well Installation (per foot)*				
A1. Water Table (hand augered)		per foot	\$10.60	\$0.00
B1. Water Table (drill rig)		per foot	\$38.00	\$0.00
CC. Telescoping		per foot	\$50.00	\$0.00
DD. Rock Drilling		per foot	\$58.00	\$0.00
E1. 2" Rock Coring		per foot	\$30.90	\$0.00
G1. Rock Multi-sampling ports/screens		per foot	\$33.40	\$0.00
HH. Recovery Well (4" diameter)		per foot	\$45.00	\$0.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	\$15.00	\$0.00
J1. Rotosonic (2" diameter)		per foot	\$44.00	\$0.00
K. Re-develop Existing Well		per foot	\$11.00	\$0.00
10. Groundwater Sample Collection / Gauge Depth to Water or Product *				
A1. Groundwater Purge	21	per well/receptor	\$60.00	\$1,260.00
B1. Air or Vapors		per receptor	\$12.00	\$0.00
C1. Water Supply		per well/receptor	\$22.00	\$0.00
D1. Groundwater No Purge or Duplicate	2	per well/receptor	\$28.00	\$56.00
E1. Gauge Well only		per well	\$7.00	\$0.00
F1. Sample Below Product		per well	\$12.00	\$0.00
G1. Passive Diffusion Bag		each	\$26.00	\$0.00
H1. Field Blank	1	each	\$24.60	\$24.60
I. Groundwater (low flow purge)		per well/receptor	\$91.00	\$0.00

11. Laboratory Analyses-Groundwater				
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	25	per sample	\$122.00	\$3,050.00
AA1. Lead, Filtered		per sample	\$13.80	\$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	\$153.60	\$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	\$36.40	\$0.00
D1. PAH's		per sample	\$60.60	\$0.00
E1. Lead		per sample	\$16.00	\$0.00
F1. EDB by EPA 8011	24	per sample	\$45.20	\$1,084.80
FF1. EDB by EPA Method 8011 Rush		per sample	\$68.20	\$0.00
G1. 8 RCRA Metals		per sample	\$63.40	\$0.00
H1. TPH (9070)		per sample	\$41.00	\$0.00
II. pH		per sample	\$5.20	\$0.00
J1. BOD		per sample	\$20.00	\$0.00
PP. Ethanol		per sample	\$14.80	\$0.00
11. Analyses-Drinking Water				
L. BTEXNM+1,2 DCA (524.2)		per sample	\$124.05	\$0.00
M. 7-OXYGENATES & ETHANOL (8260B)		per sample	\$91.75	\$0.00
N. EDB (504.1)		per sample	\$79.50	\$0.00
O. RCRA METALS (200.8)		per sample	\$100.00	\$0.00
11. Analyses-Soil				
Q1. BTEX + Naphth.		per sample	\$64.00	\$0.00
R1. PAH's		per sample	\$64.04	\$0.00
S1. 8 RCRA Metals		per sample	\$56.40	\$0.00
U1. TPH-DRO (3550C/8015C)		per sample	\$40.00	\$0.00
V1. TPH- GRO (5030B/8015C)		per sample	\$35.96	\$0.00
W1. Grain size/hydrometer		per sample	\$104.00	\$0.00
X1. Total Organic Carbon		per sample	\$30.60	\$0.00
11. Analyses-Air				
Y1. BTEX + Naphthalene		per sample	\$216.00	\$0.00
11. Analyses-Free Phase Product				
Z1. Hydrocarbon Fuel Identification		per sample	\$357.00	\$0.00
12. Aquifer Characterization				
A1. Pumping Test*		per hour	\$23.00	\$0.00
B1. Slug Test*		per test	\$191.00	\$0.00
C1. Fractured Rock		per test	\$100.00	\$0.00
13. A1. Free Product Recovery Rate Test*		each	\$38.00	\$0.00
14. Fate/Transport Modeling				
A1. Mathematical Model		each	\$100.00	\$0.00
B1. Computer Model		each	\$100.00	\$0.00
15. Risk Evaluation				
A. Tier I Risk Evaluation		each	\$300.00	\$0.00
B1. Tier II Risk Evaluation		each	\$100.00	\$0.00
16. A1. Subsequent Survey*		each	\$260.00	\$0.00
17. Disposal (gallons or tons)*				
AA. Wastewater	200	gallon	\$0.56	\$112.00
BB. Free Product		gallon	\$0.50	\$0.00
C1. Soil Treatment/Disposal		ton	\$60.00	\$0.00
D1. Drilling fluids		gallon	\$0.42	\$0.00
18. Miscellaneous (attach receipts)				
		each	\$0.00	\$0.00
		each	\$0.00	\$0.00
		each	\$0.00	\$0.00
20. Tier I Assessment (Use DHEC 3665 form)		standard		\$0.00
21. IGWA (Use DHEC 3666 form)		standard		\$0.00
22. Corrective Action (Use DHEC 3667 form)		PFP Bid		\$0.00

23. Aggressive Fluid & Vapor Recovery (AFVR)					
A1. 8-hour Event*		each	\$1,375.00		\$0.00
AA. 24-hour Event*		each	\$3,825.00		\$0.00
A3. 48-hour Event*		each	\$6,265.00		\$0.00
A4. 96-hour Event*		each	\$12,567.50		\$0.00
C1. Off-gas Treatment 8 hour		per event	\$122.50		\$0.00
C2. Off-gas Treatment 24 hour		per event	\$241.50		\$0.00
C3. Off-gas Treatment 48 hour		per event	\$327.00		\$0.00
C4. Off-gas Treatment 96 hour		per event	\$780.00		\$0.00
D. Site Reconnaissance		each	\$203.25		\$0.00
E1. Additional Hook-ups		each	\$25.75		\$0.00
F1. Effluent Disposal		gallon	\$0.44		\$0.00
G. AFVR Mobilization/Demobilization		each	\$391.50		\$0.00
24. Granulated Activated Carbon (GAC) filter system installation & service:					
A1. New GAC System Installation*		each	\$1,900.00		\$0.00
BB. Refurbished GAC Sys. Install*		each	\$900.00		\$0.00
C1. Filter replacement/removal*		each	\$350.00		\$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	\$275.00		\$0.00
E1. GAC System housing*		each	\$250.00		\$0.00
F. In-line particulate filter		each	\$150.00		\$0.00
G1. Additional piping & fittings		foot	\$1.50		\$0.00
25. Well Repair					
A1. Additional Copies of the Report Delivered		each	\$50.00		\$0.00
B1. Repair 2x2 MW pad*		each	\$50.00		\$0.00
C1. Repair 4x4 MW pad*		each	\$88.00		\$0.00
D1. Repair well vault*		each	\$118.00		\$0.00
F1. Replace well cover bolts		each	\$2.60		\$0.00
G. Replace locking well cap & lock		each	\$15.00		\$0.00
H1. Replace/Repair stick-up*		each	\$134.00		\$0.00
II. Convert Flush-mount to Stick-up*		each	\$150.00		\$0.00
J1. Convert Stick-up to Flush-mount*		each	\$130.00		\$0.00
K1. Replace missing/illegible well ID plate		each	\$12.00		\$0.00
Report Prep & Project Management	12%	percent	\$7,006.40		\$840.77
TOTAL					\$7,847.17

DHEC 2495 6-2017 *The appropriate mobilization cost can be added to complete these tasks, as necessary





Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas--- Buried Gas Line
- water--- Buried Water Line
- sewer--- Buried Sewer
- telephone--- Buried Telephone
- fence--- Fence

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

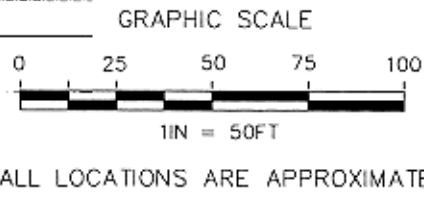
Site Base Map

Coastal Mart 16 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands Environmental Consultants, Inc.

JOB NO. 18-6276
DATE April 30, 2018
FIGURE

2





August 29, 2019



Ms. Sedona Edgar, Hydrogeologist
Assessment & Unregulated Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201



Subject: Site-Specific Work Plan Revision #1
Coastal Truck Stop 76
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 19-7034
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Edgar,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On August 19, 2019, MECI personnel performed a site visit to the subject site to evaluate conditions, locate monitoring wells/potential receptors, and identify potential problems for future assessment activities.

If you have any question or comments please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.


Kyle V. Pudney
Project Biologist


Jeff L. Coleman
Senior Scientist



**Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division**

To: Ms. Sedona Edgar (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal Truck Stop 76 UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence, SC 29506
Responsible Party: Dan McEachin Phone: 803-651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): SAA
Property Owner Address: SAA
Current Use of Property: Construction Site

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☒ Groundwater Sampling ☐ GAC
☐ Tier I ☐ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☒ BTEXNMDCA (8260B)	☐ Lead	☐ BOD	☐ Methane
☒ Oxygenates (8260B)	☐ 8 RCRA Metals	☐ Nitrate	☐ Ethanol
☒ EDB (8011)	☐ TPH	☐ Sulfate	☐ Dissolved Iron
☐ PAH (8270D)	☐ pH	☐ Other _____	

Drinking Water Supply Wells:

☒ BTEXNMDCA (524.2)	☐ Mercury (200.8 245.1 or 245.2)	☒ EDB (504.1)
☒ Oxygenates & Ethanol (8260B)	☐ RCRA Metals (200.8)	

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	_____ 2 Field Blank
_____ 28 Monitoring Wells	_____ Surface Water	_____ 3 Duplicate	_____ 3 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: _____ Estimated Footage: _____ feet per point
of deep points proposed: _____ Estimated Footage: _____ feet per point
Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: <u>11</u>	Estimated Footage: <u>18 Feet (Screened 8-18)</u>	feet per point
# of deep wells: <u>2</u>	Estimated Footage: <u>45 Feet (Screened 40-45)</u>	feet per point
# of recovery wells: <u>4</u>	Estimated Footage: <u>20 Feet (Screened 5-20)</u>	feet per point

Comments, if warranted:

Any existing wells that are located during assessment activities and determined to be functioning properly will not be replaced.

UST Permit #: 03538

Facility Name: Coastal Truck Stop 76

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 8/29/2019

Field Work Completion: 9/29/2019

Report Submittal: 10/29/2019

of Copies Provided to Property Owners: 2

Aquifer CharacterizationPump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)**Investigation Derived Waste Disposal**

Soil: 10.0

Tons

Purge Water: 800.0

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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-During the most recent site visits, monitoring wells IGWA, IGWA-R, MW-2, MW-5, MW-7, MW-14, MW-16, MW-21, MW-22, MW-22D were not located. Please find the attached map with proposed locations of replacement wells, additional wells, and recovery wells.

-Monitoring wells MW-17, MW-23, MW-24, MW-25, and MW-26 have been previously abandoned.

-Following well installation, the newly installed wells will be properly developed and a subsequent survey performed.

-MECI will conduct a comprehensive sampling event after well installation.

-All located monitoring wells will be purged prior to sampling and analyzed for BTEXNM, DCA, Oxys (8260B) and EDB (8011).

-Depending on property owner instructions, MECI will either abandon or sample WSW-1 during the assessment.

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)Yes Laboratory as indicated in ACQAP? (Yes/No)

If no, indicate laboratory information below.

Name of Laboratory: _____

SCDHEC Certification Number: _____

Name of Laboratory Director: _____

Yes Well Driller as indicated in ACQAP? (Yes/No)

If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

None 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



Healthy People. Healthy Communities.

ASSESSMENT COMPONENT COST AGREEMENT

SOUTH CAROLINA

Department of Health and Environmental Control

Underground Storage Tank Management Division

State Underground Petroleum Environmental Response Bank Account

June 15, 2017

Facility Name: Coastal Truck Stop 76

UST Permit #: 03538

Cost Agreement #:

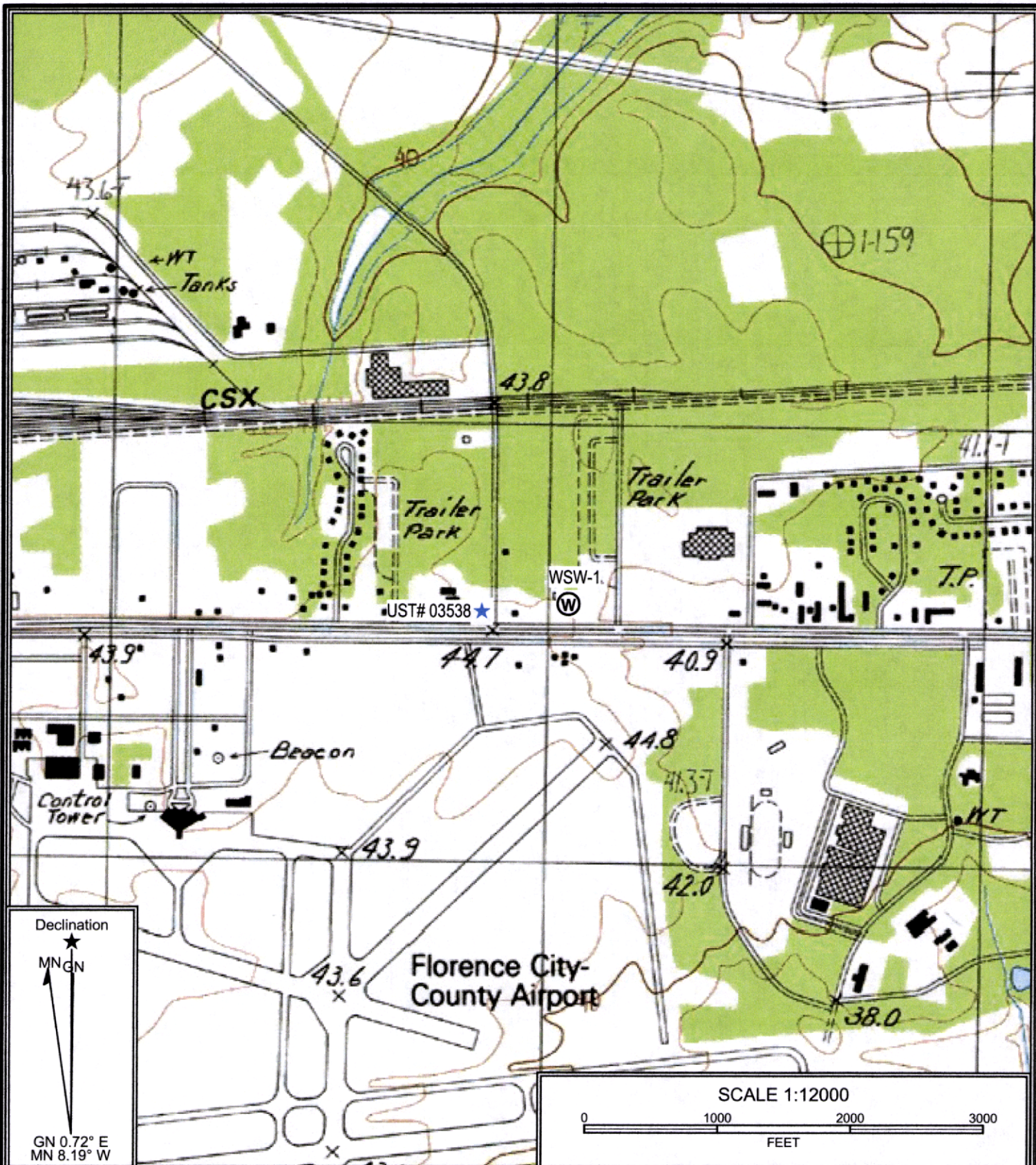
Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
1. Plan Preparation				
A1. Site-specific Work Plan	1	each	\$150.00	\$150.00
B1. Tax Map		each	\$70.00	\$0.00
C1. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
2. A1. Receptor Survey *		each	\$551.00	\$0.00
3. Survey (500 ft x 500 ft)				
A1. Comprehensive Survey		each	\$1,040.00	\$0.00
B. Subsurface Geophysical Survey				
1B. < 10 meters below grade		each	\$1,300.00	\$0.00
2B. > 10 meters below grade		each	\$2,310.00	\$0.00
C1. Geophysical UST or Drum Survey		each	\$910.00	\$0.00
4. Mob/Demob				
A1. Equipment	1	each	\$1,020.00	\$1,020.00
B1. Personnel	5	each	\$423.00	\$2,115.00
C1. Adverse Terrain Vehicle		each	\$500.00	\$0.00
5. A1. Soil Borings (hand auger)*		foot	\$5.00	\$0.00
6. Soil Borings (requiring equipment, push technology, etc)* or Field Screening (including water sample, soil sample, soil gas sample, etc.)*				
AA. Standard		per foot	\$15.00	\$0.00
C1. Fractured Rock		per foot	\$20.20	\$0.00
7. A1. Soil Leachability Model		each	\$60.00	\$0.00
8. Abandonment (per foot)*				
A1. 2" diameter or less		per foot	\$3.10	\$0.00
B1. Greater than 2" to 6" diameter		per foot	\$4.50	\$0.00
C1. Dug/Bored well (up to 6 feet diameter)		per foot	\$15.00	\$0.00
9. Well Installation (per foot)*				
A1. Water Table (hand augered)		per foot	\$10.60	\$0.00
B1. Water Table (drill rig)	198	per foot	\$38.00	\$7,524.00
CC. Telescoping	90	per foot	\$50.00	\$4,500.00
DD. Rock Drilling		per foot	\$58.00	\$0.00
E1. 2" Rock Coring		per foot	\$30.90	\$0.00
G1. Rock Multi-sampling ports/screens		per foot	\$33.40	\$0.00
HH. Recovery Well (4" diameter)	80	per foot	\$45.00	\$3,600.00
II. Pushed Pre-packed screen (1.25" dia)		per foot	\$15.00	\$0.00
J1. Rotasonic (2" diameter)		per foot	\$44.00	\$0.00
K. Re-develop Existing Well		per foot	\$11.00	\$0.00
10. Groundwater Sample Collection / Gauge Depth to Water or Product *				
A1. Groundwater Purge	28	per well/receptor	\$60.00	\$1,680.00
B1. Air or Vapors		per receptor	\$12.00	\$0.00
C1. Water Supply	1	per well/receptor	\$22.00	\$22.00
D1. Groundwater No Purge or Duplicate	3	per well/receptor	\$28.00	\$84.00
E1. Gauge Well only		per well	\$7.00	\$0.00
F1. Sample Below Product		per well	\$12.00	\$0.00
G1. Passive Diffusion Bag		each	\$26.00	\$0.00
H1. Field Blank	2	each	\$24.60	\$49.20
I. Groundwater (low flow purge)		per well/receptor	\$91.00	\$0.00

11. Laboratory Analyses-Groundwater				
A2. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	33	per sample	\$122.00	\$4,026.00
AA1. Lead, Filtered		per sample	\$13.80	\$0.00
B2. Rush EPA Method 8260B (All of item A.)		per sample	\$153.60	\$0.00
C2. Trimethal, Butyl, and Isopropyl Benzenes		per sample	\$36.40	\$0.00
D1. PAH's		per sample	\$60.60	\$0.00
E1. Lead		per sample	\$16.00	\$0.00
F1. EDB by EPA 8011	31	per sample	\$45.20	\$1,401.20
FF1. EDB by EPA Method 8011 Rush		per sample	\$68.20	\$0.00
G1. 8 RCRA Metals		per sample	\$63.40	\$0.00
H1. TPH (9070)		per sample	\$41.00	\$0.00
II. pH		per sample	\$5.20	\$0.00
J1. BOD		per sample	\$20.00	\$0.00
PP. Ethanol		per sample	\$14.80	\$0.00
11. Analyses-Drinking Water				
L. BTEXNM+1,2 DCA (524.2)	4	per sample	\$124.05	\$496.20
M. 7-OXYGENATES & ETHANOL (8260B)	4	per sample	\$91.75	\$367.00
N. EDB (504.1)	3	per sample	\$79.50	\$238.50
O. RCRA METALS (200.8)		per sample	\$100.00	\$0.00
11. Analyses-Soil				
Q1. BTEX + Naphth.		per sample	\$64.00	\$0.00
R1. PAH's		per sample	\$64.04	\$0.00
S1. 8 RCRA Metals		per sample	\$56.40	\$0.00
U1. TPH-DRO (3550C/8015C)		per sample	\$40.00	\$0.00
V1. TPH- GRO (5030B/8015C)		per sample	\$35.96	\$0.00
W1. Grain size/hydrometer		per sample	\$104.00	\$0.00
X1. Total Organic Carbon		per sample	\$30.60	\$0.00
11. Analyses-Air				
Y1. BTEX + Naphthalene		per sample	\$216.00	\$0.00
11. Analyses-Free Phase Product				
Z1. Hydrocarbon Fuel Identification		per sample	\$357.00	\$0.00
12. Aquifer Characterization				
A1. Pumping Test*		per hour	\$23.00	\$0.00
B1. Slug Test*		per test	\$191.00	\$0.00
C1. Fractured Rock		per test	\$100.00	\$0.00
13. A1. Free Product Recovery Rate Test*		each	\$38.00	\$0.00
14. Fate/Transport Modeling				
A1. Mathematical Model		each	\$100.00	\$0.00
B1. Computer Model		each	\$100.00	\$0.00
15. Risk Evaluation				
A. Tier I Risk Evaluation		each	\$300.00	\$0.00
B1. Tier II Risk Evaluation		each	\$100.00	\$0.00
16. A1. Subsequent Survey*	1	each	\$260.00	\$260.00
17. Disposal (gallons or tons)*				
AA. Wastewater	800	gallon	\$0.56	\$448.00
BB. Free Product		gallon	\$0.50	\$0.00
C1. Soil Treatment/Disposal	10	ton	\$60.00	\$600.00
D1. Drilling fluids		gallon	\$0.42	\$0.00
18. Miscellaneous (attach receipts)				
		each	\$0.00	\$0.00
		each	\$0.00	\$0.00
		each	\$0.00	\$0.00
20. Tier I Assessment (Use DHEC 3665 form)		standard		\$0.00
21. IGWA (Use DHEC 3666 form)		standard		\$0.00
22. Corrective Action (Use DHEC 3667 form)		PFP Bid		\$0.00

23. Aggressive Fluid & Vapor Recovery (AFVR)					
A1. 8-hour Event*		each	\$1,375.00		\$0.00
AA. 24-hour Event*		each	\$3,825.00		\$0.00
A3. 48-hour Event*		each	\$6,265.00		\$0.00
A4. 96-hour Event*		each	\$12,567.50		\$0.00
C1. Off-gas Treatment 8 hour		per event	\$122.50		\$0.00
C2. Off-gas Treatment 24 hour		per event	\$241.50		\$0.00
C3. Off-gas Treatment 48 hour		per event	\$327.00		\$0.00
C4. Off-gas Treatment 96 hour		per event	\$780.00		\$0.00
D. Site Reconnaissance		each	\$203.25		\$0.00
E1. Additional Hook-ups		each	\$25.75		\$0.00
F1. Effluent Disposal		gallon	\$0.44		\$0.00
G. AFVR Mobilization/Demobilization		each	\$391.50		\$0.00
24. Granulated Activated Carbon (GAC) filter system installation & service:					
A1. New GAC System Installation*		each	\$1,900.00		\$0.00
BB. Refurbished GAC Sys. Install*		each	\$900.00		\$0.00
C1. Filter replacement/removal*		each	\$350.00		\$0.00
DD. GAC System removal, cleaning, & refurbishment*		each	\$275.00		\$0.00
E1. GAC System housing*		each	\$250.00		\$0.00
F. In-line particulate filter		each	\$150.00		\$0.00
G1. Additional piping & fittings		foot	\$1.50		\$0.00
25. Well Repair					
A1. Additional Copies of the Report Delivered		each	\$50.00		\$0.00
B1. Repair 2x2 MW pad*		each	\$50.00		\$0.00
C1. Repair 4x4 MW pad*		each	\$88.00		\$0.00
D1. Repair well vault*		each	\$118.00		\$0.00
F1. Replace well cover bolts		each	\$2.60		\$0.00
G. Replace locking well cap & lock		each	\$15.00		\$0.00
H1. Replace/Repair stick-up*		each	\$134.00		\$0.00
II. Convert Flush-mount to Stick-up*		each	\$150.00		\$0.00
J1. Convert Stick-up to Flush-mount*		each	\$130.00		\$0.00
K1. Replace missing/illegible well ID plate		each	\$12.00		\$0.00
Report Prep & Project Management	12%	percent	\$28,581.10		\$3,429.73
TOTAL					\$32,010.83

DHEC 2495 6-2017 *The appropriate mobilization cost can be added to complete these tasks, as necessary



Reference: Florence East, South Carolina
 Contour Interval— 2 Meters
 USGS 7.5 Min. Quad

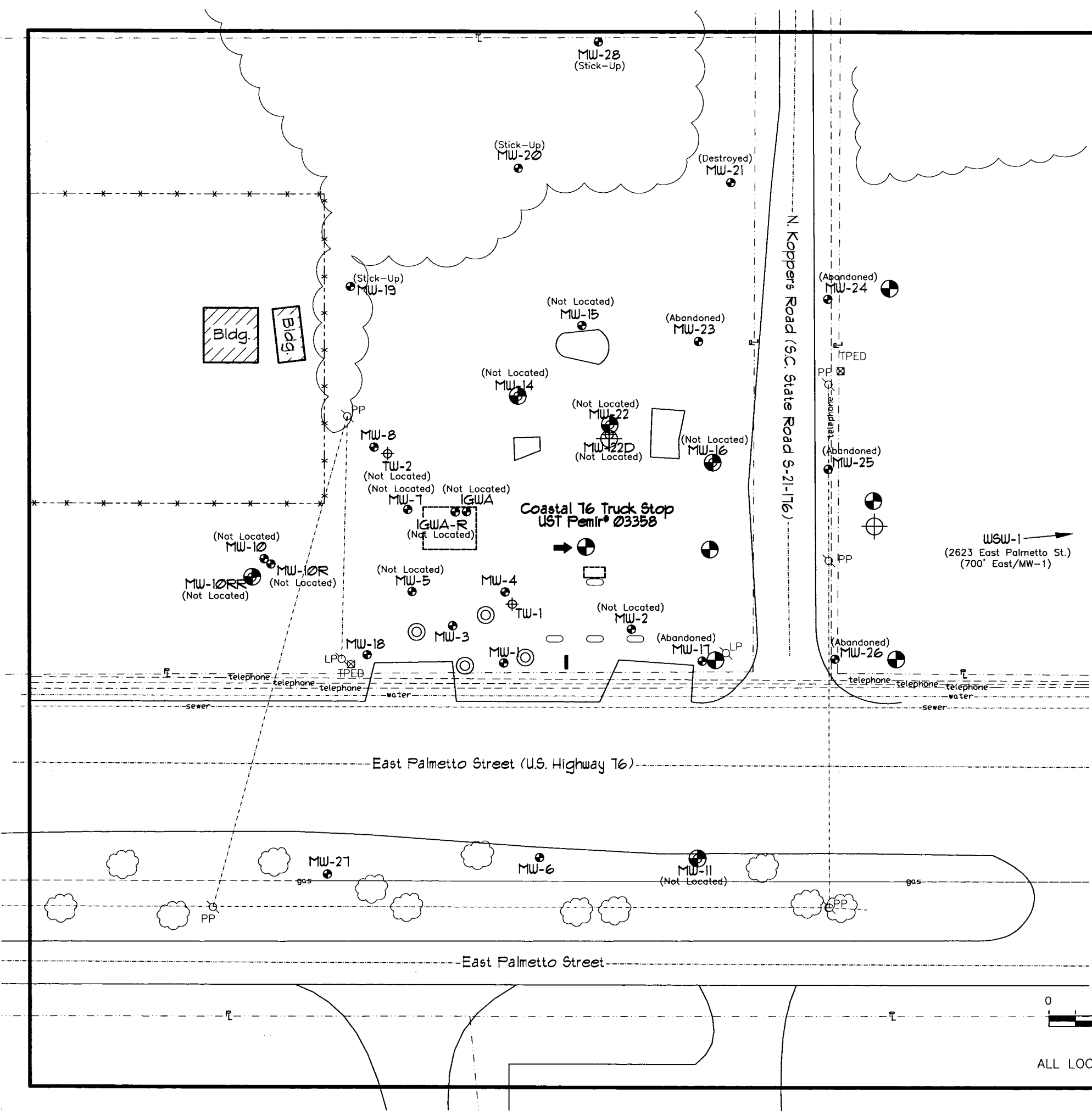
Midlands
 Environmental
 Consultants, Inc.

Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 SCDHEC Site ID# 03538

Figure 1

MECI 19-7034



Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ⊙ Location of Proposed Double Cased "Deep" Monitoring Well
- ⊙ Location of Proposed Shallow Monitoring Well
- ⊙ Location of Proposed 4-inch Recovery Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- x--- Property Line
- g--- Buried Gas Line
- w--- Buried Water Line
- s--- Buried Sewer
- t--- Buried Telephone
- f--- Fence

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Proposed Wells	
Coastal Mart 76 Truck Stop 2513 East Palmetto Street Florence, South Carolina SCDHEC Site ID 03538	
 Midlands Environmental Consultants, Inc.	JOB NO. 19-7034
	DATE August 29, 2019
	FIGURE 2



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

August 23, 2019

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on August 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
James Coolman, MECI
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92441825001	WSW-1	Water	08/14/19 11:45	08/16/19 15:53
92441825002	WSW-FB	Water	08/14/19 11:49	08/16/19 15:53
92441825003	WSW-DUP	Water	08/14/19 11:45	08/16/19 15:53
92441825004	WSW-TB	Water	08/14/19 11:49	08/16/19 15:53

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SAMPLE ANALYTE COUNT

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92441825001	WSW-1	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C
92441825002	WSW-FB	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C
92441825003	WSW-DUP	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C
92441825004	WSW-TB	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Sample: WSW-1 Lab ID: 92441825001 Collected: 08/14/19 11:45 Received: 08/16/19 15:53 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List Analytical Method: EPA 524.2									
Benzene	ND	ug/L	0.50	0.092	1		08/22/19 19:36	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/22/19 19:36	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/22/19 19:36	100-41-4	
Methyl-tert-butyl ether	1.1	ug/L	0.50	0.084	1		08/22/19 19:36	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/22/19 19:36	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/22/19 19:36	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/22/19 19:36	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/22/19 19:36	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		08/22/19 19:36	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		08/22/19 19:36	460-00-4	
8260 MSV Low Level SC Analytical Method: EPA 8260B									
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 08:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 08:28	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 08:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 08:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 08:28	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 08:28	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 08:28	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 08:28	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/22/19 08:28	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		08/22/19 08:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		08/22/19 08:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Sample: WSW-FB		Lab ID: 92441825002		Collected: 08/14/19 11:49		Received: 08/16/19 15:53		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Benzene	ND	ug/L	0.50	0.092	1		08/22/19 15:38	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/22/19 15:38	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/22/19 15:38	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.084	1		08/22/19 15:38	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/22/19 15:38	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/22/19 15:38	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/22/19 15:38	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/22/19 15:38	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		08/22/19 15:38	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		08/22/19 15:38	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260B									
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 05:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 05:11	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 05:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 05:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 05:11	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 05:11	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 05:11	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 05:11	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/22/19 05:11	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		08/22/19 05:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		08/22/19 05:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Sample: WSW-DUP		Lab ID: 92441825003		Collected: 08/14/19 11:45		Received: 08/16/19 15:53		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Benzene	ND	ug/L	0.50	0.092	1		08/23/19 07:28	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/23/19 07:28	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/23/19 07:28	100-41-4	
Methyl-tert-butyl ether	3.0	ug/L	0.50	0.084	1		08/23/19 07:28	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/23/19 07:28	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/23/19 07:28	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/23/19 07:28	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/23/19 07:28	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		08/23/19 07:28	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		08/23/19 07:28	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260B									
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 08:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 08:46	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 08:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 08:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 08:46	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 08:46	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 08:46	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 08:46	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/22/19 08:46	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		08/22/19 08:46	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		08/22/19 08:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Sample: WSW-TB Lab ID: 92441825004 Collected: 08/14/19 11:49 Received: 08/16/19 15:53 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List Analytical Method: EPA 524.2									
Benzene	ND	ug/L	0.50	0.092	1		08/22/19 13:53	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/22/19 13:53	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/22/19 13:53	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.084	1		08/22/19 13:53	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/22/19 13:53	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/22/19 13:53	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/22/19 13:53	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/22/19 13:53	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		08/22/19 13:53	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		08/22/19 13:53	460-00-4	
8260 MSV Low Level SC Analytical Method: EPA 8260B									
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 05:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 05:29	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 05:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 05:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 05:29	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 05:29	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 05:29	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 05:29	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/22/19 05:29	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		08/22/19 05:29	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		08/22/19 05:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

QC Batch: 493809 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 92441825001, 92441825002, 92441825004

METHOD BLANK: 2661421 Matrix: Water
Associated Lab Samples: 92441825001, 92441825002, 92441825004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	0.17	08/22/19 10:48	
Benzene	ug/L	ND	0.50	0.092	08/22/19 10:48	
Ethylbenzene	ug/L	ND	0.50	0.082	08/22/19 10:48	
m&p-Xylene	ug/L	ND	0.50	0.15	08/22/19 10:48	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.084	08/22/19 10:48	
Naphthalene	ug/L	ND	0.50	0.062	08/22/19 10:48	
o-Xylene	ug/L	ND	0.50	0.11	08/22/19 10:48	
Toluene	ug/L	ND	0.50	0.11	08/22/19 10:48	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130		08/22/19 10:48	
4-Bromofluorobenzene (S)	%	96	70-130		08/22/19 10:48	

LABORATORY CONTROL SAMPLE: 2661422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.3	102	70-130	
Benzene	ug/L	20	20.0	100	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	
m&p-Xylene	ug/L	40	40.5	101	70-130	
Methyl-tert-butyl ether	ug/L	20	20.0	100	70-130	
Naphthalene	ug/L	20	17.4	87	70-130	
o-Xylene	ug/L	20	20.8	104	70-130	
Toluene	ug/L	20	20.1	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

QC Batch: 493957 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 92441825003

METHOD BLANK: 2662270 Matrix: Water
Associated Lab Samples: 92441825003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	0.17	08/22/19 22:40	
Benzene	ug/L	ND	0.50	0.092	08/22/19 22:40	
Ethylbenzene	ug/L	ND	0.50	0.082	08/22/19 22:40	
m&p-Xylene	ug/L	ND	0.50	0.15	08/22/19 22:40	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.084	08/22/19 22:40	
Naphthalene	ug/L	ND	0.50	0.062	08/22/19 22:40	
o-Xylene	ug/L	ND	0.50	0.11	08/22/19 22:40	
Toluene	ug/L	ND	0.50	0.11	08/22/19 22:40	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130		08/22/19 22:40	
4-Bromofluorobenzene (S)	%	95	70-130		08/22/19 22:40	

LABORATORY CONTROL SAMPLE: 2662271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	22.8	114	70-130	
Benzene	ug/L	20	24.0	120	70-130	
Ethylbenzene	ug/L	20	22.4	112	70-130	
m&p-Xylene	ug/L	40	44.7	112	70-130	
Methyl-tert-butyl ether	ug/L	20	22.8	114	70-130	
Naphthalene	ug/L	20	19.1	95	70-130	
o-Xylene	ug/L	20	23.0	115	70-130	
Toluene	ug/L	20	21.9	110	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

QC Batch: 493664 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92441825001, 92441825002, 92441825003, 92441825004

METHOD BLANK: 2660538 Matrix: Water
Associated Lab Samples: 92441825001, 92441825002, 92441825003, 92441825004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	62.0	08/22/19 04:35	
Diisopropyl ether	ug/L	ND	1.0	0.22	08/22/19 04:35	
Ethanol	ug/L	ND	200	98.8	08/22/19 04:35	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.7	08/22/19 04:35	
tert-Amyl Alcohol	ug/L	ND	100	53.9	08/22/19 04:35	
tert-Amylmethyl ether	ug/L	ND	10.0	3.5	08/22/19 04:35	
tert-Butyl Alcohol	ug/L	ND	100	27.3	08/22/19 04:35	
tert-Butyl Formate	ug/L	ND	50.0	24.7	08/22/19 04:35	
1,2-Dichloroethane-d4 (S)	%	98	70-130		08/22/19 04:35	
4-Bromofluorobenzene (S)	%	99	70-130		08/22/19 04:35	
Toluene-d8 (S)	%	101	70-130		08/22/19 04:35	

LABORATORY CONTROL SAMPLE: 2660539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1130	113	70-130	
Diisopropyl ether	ug/L	50	51.0	102	70-130	
Ethanol	ug/L	2000	2150	107	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.9	99	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	553	111	70-130	
tert-Butyl Formate	ug/L	400	430	108	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 2660541

Parameter	Units	92441833008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	400	531	133	70-130	
Diisopropyl ether	ug/L	ND	20	20.1	100	70-130	
Ethanol	ug/L	ND	800	934	117	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	36.4	91	70-130	
tert-Amyl Alcohol	ug/L	ND	400	483	121	70-130	
tert-Amylmethyl ether	ug/L	ND	40	42.0	105	70-130	
tert-Butyl Alcohol	ug/L	ND	200	273	137	70-130	
tert-Butyl Formate	ug/L	ND	160	80.5	50	70-130 P5	

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

MATRIX SPIKE SAMPLE:		2660541					
Parameter	Units	92441833008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%				92	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 2660540

Parameter	Units	92441833007 Result	Dup Result	RPD	Max RPD	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	96	98			
4-Bromofluorobenzene (S)	%	97	103			
Toluene-d8 (S)	%	99	101			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

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.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

P5 The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92441825001	WSW-1	EPA 524.2	493809		
92441825002	WSW-FB	EPA 524.2	493809		
92441825003	WSW-DUP	EPA 524.2	493957		
92441825004	WSW-TB	EPA 524.2	493809		
92441825001	WSW-1	EPA 8260B	493664		
92441825002	WSW-FB	EPA 8260B	493664		
92441825003	WSW-DUP	EPA 8260B	493664		
92441825004	WSW-TB	EPA 8260B	493664		

REPORT OF LABORATORY ANALYSIS

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*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, LHLg

**Bottom half of box is to list number of bottle

Project #

WO# : 92441825

PM: AMB

Due Date: 08/27/19

CLIENT: 92-MIDLAND

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)	BP4C-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)	AG3A(DG3A)-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 Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (5 vials per kit)-5035 kit (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)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



MR PETER REINHART
SCDOT
PO BOX 191
COLUMBIA, SC 29202-0191

OCT 15 2019

Re: Replacement of Destroyed Monitoring Wells – QAPP Addendum
Coastal 76 Truck Stop, 2513 E Palmetto St., Florence, SC
UST Permit #03538
Release Reported September 27, 1995
Florence County

Dear Mr. Reinhart:

The Underground Storage Tank (UST) Management Division has been informed that several monitoring wells have been destroyed as a result of the road widening of North Kippers Road (SC State Road S-21-176), off of East Palmetto Street/Highway 76. Funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account originally paid for these wells; therefore, replacement costs cannot be paid from the Account.

To determine what future assessment activities will be required, the replacement of monitoring wells MW-16, MW-17, MW-21, MW-23, MW-24, MW-25, and MW-26, as outlined in the UST Quality Assurance Program Plan (QAPP) is necessary. The monitoring well installation should be conducted in accordance with the UST Quality Assurance Program Plan and must be conducted in compliance with all applicable regulations. A copy of SCDHEC QAPP for the Underground Storage Tank Division is available at <http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/>

Please have your contractor complete and submit the Site-Specific QAPP Contractor addendum (QAPPA) or the Site-Specific Work Plan (SSWP) if your contractor has an approved Annual Contractor Quality Assurance Plan (ACQAP) within thirty days of the date of this letter. Please note that technical preapproval from the Department must be issued before work begins.

On all correspondence regarding this site, please reference UST Permit #03538. Should you have any questions regarding this correspondence, please feel free to contact me at (803) 898-0592. I can also be reached by email at edgarsk@dhec.sc.gov.

Sincerely,

Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
UST Management Division
Bureau of Land & Waste Management

cc: Dan McEachin, 1007 Wentworth Dr., Florence, SC 29501
Midlands Environmental Consultants, PO Box 854, Lexington, SC 29071
Technical File



FEB 13 2020

MR TIM HUNTER
SCDOT
PO BOX 191
COLUMBIA SC 29202-0191

Re: Replacement of Destroyed Monitoring Wells – QAPP Addendum
Coastal 76 Truck Stop, 2513 E Palmetto St., Florence, SC
UST Permit #03538
Release Reported September 27, 1995
Florence County

Dear Mr. Hunter:

The Underground Storage Tank (UST) Management Division has been informed that several monitoring wells have been destroyed as a result of the road widening of North Kippers Road (SC State Road S-21-176), off of East Palmetto Street/Highway 76. Funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Account originally paid for these wells; therefore, replacement costs cannot be paid from the Account.

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Sincerely,

Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
UST Management Division
Bureau of Land & Waste Management

cc: Dan McEachin, 1007 Wentworth Dr., Florence, SC 29501
Technical File



DAN MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

JUN 16 2020



Re: **Notice to Proceed with Groundwater Sampling**
Coastal 76 Truck Stop, 2513 E Palmetto St., Florence, SC
UST Permit # 03538, CA # 60121, UMW-27695
Release reported September 27, 1995
SSWP Received August 30, 2019
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced Site-Specific Work Plan (SSWP) submitted by Midlands Environmental Consultants, Incorporated. All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), Midlands Environmental Consultants' approved SSWP and Annual Contractor Quality Assurance Plan (ACQAP), and in compliance with all applicable regulations. A copy of the current revision of the UST QAPP is available at <http://www.scdhec.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/>

The assessment should begin immediately upon receipt of this letter, after the well installation. Cost agreement #60121 has been approved for the amount shown on the enclosed cost agreement form. A monitoring well installation approval form is also enclosed. Please note the following changes to the cost agreement and SSWP:

- Per correspondence, only the groundwater sampling portion of the SSWP is approved. Replacing and installing monitoring/recovery wells is on hold.
- Please sample WSW-1; if the property owner wants to abandon the well, that will be done as another scope of work.

The Contractor must provide the UST Project Manager with a Project Status Report on a weekly basis via e-mail or notify the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes.

The Monitoring report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the Division within sixty (60) days of the date of this correspondence. The report submitted at the completion of these activities should include the required information outlined in the UST QAPP.

Midlands Environmental Consultants can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

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

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a DHEC-certified site rehabilitation contractor as required by R.61-98.

The Division grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. There can be no spillage or leakage in transport. All investigation-derived waste (IDW) must be properly contained and labeled prior to disposal. IDW should not be stored on-site longer than ninety (90) days. A copy of the disposal manifest and/or acceptance letter from the receiving facility that clearly designates the quantity received must be included as an appendix to the report. If the Chemical of Concern (CoC) concentrations based on laboratory analysis is below Risk-Based Screening Levels (RBSLs), please contact the project manager for approval to dispose of soil and/or groundwater on-site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

On all correspondence regarding this site, please reference UST Permit #03538. If there are any questions concerning this project, please contact me at (803) 898-0592 or by email at edgarsk@dhec.sc.gov.

Sincerely,



Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
UST Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement

cc: Midlands Environmental Consultants Inc., PO Box 854, Lexington SC 29071 (w/enc)
Technical file (w/enc)

Approved Cost Agreement**60121**

Facility: 03538 COASTAL 76 TRUCK STOP

EDGARSK

PO Number: 82942

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
01 PLAN					
		A1 SITE SPECIFIC WORK PLAN	1.0000	\$150.000	150.00
04 MOB/DEMOB					
		B1 PERSONNEL	3.0000	\$423.000	1,269.00
10 SAMPLE COLLECTION					
		A1 GROUNDWATER (PURGE)	24.0000	\$60.000	1,440.00
		C1 WATER SUPPLY	2.0000	\$22.000	44.00
		D1 GROUNDWATER NO PURGE/DUPLICATE	3.0000	\$28.000	84.00
		H1 FIELD BLANK	1.0000	\$24.600	24.60
11 ANALYSES					
	GW GROUNDWATER	A2 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	30.0000	\$122.000	3,660.00
		F1 EDB BY 8011	28.0000	\$45.200	1,265.60
	WATER DRINKING WATER	L BTEXNM+1,2 DCA (524.2)	8.0000	\$124.050	992.40
		M 7-OXYGENATES & ETHANOL (8260B)	8.0000	\$91.750	734.00
		N EDB (504.1)	6.0000	\$79.500	477.00
17 DISPOSAL					
		AA WASTEWATER	100.0000	\$0.560	56.00
19 RPT/PROJECT MNGT & COORDINATIO					
		PRT REPORT PREPARATION	0.1200	\$10,196.600	1,223.59
Total Amount					11,420.19

Document Receipt Information

☐

Hard Copy

☒

CD

☐

Email

Date Received

8/11/20

Permit Number

03538

Project Manager

Sidona Edgar

Name of Contractor

MECI

UST Certification Number

Docket Number

LeHT

Scanned

GIS & Chemical Analysis
Report

GROUND WATER SAMPLING AND CHEMICAL ANALYSIS REPORT

Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC SITE ID 03538
CA # 60121

Prepared By:



231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

July 22, 2020

MECI Project No. 19-7034



July 22, 2020

Ms. Sedona Edgar, Hydrogeologist
Assessment Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Ground Water Sampling and Chemical Analysis Report
Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC Site ID# 03538, CA # 60121
MECI Project Number 19-7034
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Edgar,

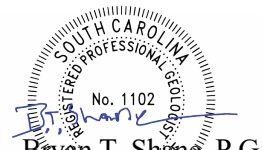
On behalf of Mr. Dan McEachin, Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Ground Water Sampling and Chemical Analysis Report for the referenced site. This report describes assessment activities conducted at the site and results of those activities in general accordance with South Carolina Department of Health and Environmental Control (SCDHEC) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.



Jeff L. Coleman
Senior Scientist



Bryan T. Shane, P.G.
Principal Geologist

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NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

A. Owner/Operator Information

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 E. Palmetto Street
Name: Dan McEachin
Address: 1007 Wentworth Drive
Telephone #: Contact: Dan McEachin (803) 651-8835

B. Property Owner Information

Name: Elizabeth E. McEachin
Tax Map #: Florence Co. Tax Map #: 90089-01-006
Address: 1007 Wentworth Drive
Telephone #: Contact: Dan McEachin (803) 651-8835

C. Contractor Information

Name: Midlands Environmental Consultants, Inc.
Certification #: 9
Address: P. O. Box 854, Lexington, SC 29071
Telephone #: (803) 808-2043

D. SCDHEC Certified Well Driller

Name: N/A
Driller: N/A
Certification #: N/A
Address: N/A
Telephone #: N/A

E. SCDHEC Certified Laboratory

Name: Pace Analytical Services, LLC
Certification #: 99006001
Address: 9800 Kincey Ave. Suite 100, Huntersville, NC 28078
Telephone #: (704) 875-9092

1.1 PROJECT INFORMATION

The subject site (Costal 76 Truck Stop) is located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. The following table represents Underground Storage Tanks (UST'S) which are associated with the subject site.

Tank #	Capacity/Product	In Use/Abandoned	Tank Status
1	2,000 Gallon Gasoline	Abandoned	Removed (9/1995)
2	3,000 Gallon Gasoline	Abandoned	Removed (9/1995)
3	1,000 Gallon Gasoline	Abandoned	Removed (9/1995)
4	1,000 Gallon Diesel	Abandoned	Removed (9/1995)

The South Carolina Department of Health and Environmental Control (SCDHEC) reported a release of petroleum product on September of 1995 and confirmed this release in August of 1997. The subject site is currently rated a Class 2BB.

The above project information is based on MECI field notes and SCDHEC files.

2.0 SURROUNDING PROPERTY USAGE

The subject site is located inside the city limits of Florence, Florence County, South Carolina. East Palmetto Street (U.S. Highway 76) forms the southern border of the site, beyond which is the Florence County Regional Airport. North Koppers Road (SC State Rd. S-21-176) forms the eastern border of the site, beyond which are commercial properties. Commercial properties border the site to the west. North of the site is wooded and undeveloped.

Identified potential receptors at the referenced site include one water supply well. The following table identifies water supply well and the physical address of their locations:

Water Supply Well Number	Well Owner	Florence County Tax Map Number:	Notes:	Well Status
WSW-1	Ken-Co Homes of Florence, LLC.	90150-01-031	2623 East Palmetto Street/700' Feet East	Active/Sampled

This water supply well (WSW-1) is located approximately 330 feet east of the subject site.

3.0 AREA GEOLOGY AND HYDROGEOLOGY

The mean elevation of the property as depicted on the local USGS quadrangle (Florence, SC) appears to be between 45 meters feet above sea level. The site is located in the Coastal Plain Physiographic Province, which is generally comprised of Upper Cretaceous to present aged, wedge shaped formations that begin at the “Fall Line” and dip towards the Atlantic Ocean with ground surface elevations typically less than 300 feet. The sedimentary soils of these formations consist of unconsolidated sand, clay, gravel, marl, cemented sands, and limestone that were deposited unconformably over Mesozoic/Paleozoic age basement rock consisting of granite, schist, and gneiss similar to the rocks of the Piedmont Physiographic Province. The thickness of the Coastal Plain sediments varies from zero at the “Fall Line” to more than 4,000 feet at the southern tip of South Carolina near Hilton Head Island.

The Coastal Plain province was formed during Quaternary, Tertiary, and late Cretaceous geologic periods and can be divided generally into three subunits: Upper Coastal Plain, Middle Coastal Plain, and Lower Coastal Plain. The Lower Coastal Plain comprises approximately one-half of the entire Atlantic Coastal Plain of South Carolina and is separated from the middle coastal plain by the Surry Scarp, a seaward facing scarp with a toe elevation of 90 to 100 feet. The Middle Coastal Plain and the Upper Coastal Plain each compose approximately one fourth of the Coastal Plain area and are separated by the Orangeburg Scarp, a seaward facing scarp with a toe elevation of 250 to 270 feet.

The Lower Coastal Plain is typically identified as the area east of the Surry Scarp below elevation 100 feet, with a vertical stratigraphic sequence overlying the basement rock consisting of unconsolidated Cretaceous, Tertiary, and Quaternary sedimentary deposits. The surface deposits of the Lower Coastal Plain were formed during the Quaternary period which was characterized by the formation of the Carolina Bays and scarps throughout the east coast

due to sea level rise and fall, the formation of the barrier islands, and the formation of flood plains from major rivers. Preceding the Quaternary period, limestone was deposited in the Lower Coastal Plain.

The Middle Coastal Plain is typically identified as the area between the Orangeburg Scarp and the Surry Scarp and falls between elevation 100 feet and 270 feet. The vertical stratigraphic sequence overlying the basement rock consists of unconsolidated Cretaceous and Tertiary sedimentary deposits formed as a result of scouring from the regressive cycles of the Ocean as it retreated. During the Eocene epoch of the Tertiary period, limestone was deposited in the Middle Coastal Plain.

The Upper Coastal Plain is typically identified as the area between the “Fall Line” and the Orangeburg Scarp and falls between elevations 270 feet and 300 feet. The Upper Coastal Plain was formed during the Tertiary and late Cretaceous periods and is marked by the formation of the Sandhills dunes as a result of fluvial deposits over the Coastal Plain consisting of marine sediments, limestone, and sand.

3.1 LOCAL SUBSURFACE CONDITIONS

Locally, in the surficial aquifer, groundwater discharges into streams, lakes or springs where the groundwater table intersects lows occupied by these water bodies. The apparent direction (based on the current hydraulic gradient) of groundwater flow from the release is to the east towards drainage features associated with Canal Branch.

Coastal plain sediments were encountered during previous drilling activities conducted at the site. The soils encountered in our borings generally consisted of clayey fine-grained sands. According to Newell et al. (In Review), the site is located within the Bear Bluff Formation. The Bear Bluff Formation is a Pliocene aged secondary unit which generally consists of gray to cream fossiliferous, coarse-grained calcareous sand and sandy limestone. Unconformably the Bear Bluff Formation overlies the Pee Dee Formation and is underlain by the Canepatch, Conway and Waccamaw Formations.

On June 29, 2020, stabilized groundwater levels were measured in the monitoring wells. Depth to groundwater ranged from 2.12 to 6.80 feet below top of casing in the wells measured. The groundwater measurements are summarized in tabular form in Table 2 and on Figure 5. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

4.0 FIELD EXPLORATION

Field exploration conducted at the site included

- comprehensive sampling of the entire monitoring well network and nearby receptor; and
- chemical analyses of groundwater samples.

4.1 SAMPLING AND CHEMICAL ANALYSES

On June 29, 2020, MECI personnel collected groundwater samples from sixteen (16) monitoring wells and one (1) water supply well at the subject site. During sampling activities, there were

seventeen monitoring wells that were unable to be sampled. Monitoring wells IGWA, MW-2, MW-5, MW-9, MW-10, MW-10R, MW-10RR, MW-14, MW-15, MW-16, MW-21, and MW-22 were not located. Monitoring wells MW-17, MW-23, MW-24, MW-25, and MW-26 were abandoned in March of 2018. As directed by SCDHEC, all monitoring wells were to be purged prior to sample collection. During sampling activities, sixteen (16) monitoring wells were purged prior to sample collection. On August 14, 2019, MECI personnel collected a follow-up sample to the April 18, 2018 sample of WSW-1 to confirm the presence of MTBE in the water supply well.

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (°C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with SCDHEC's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, LLC of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well:

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
03538-IGWA						X							
03538-IGWAR	X						X	X	X	X			
03538-MW01	X						X	X	X	X			
03535-MW02						X							
03538-MW03	X						X	X	X	X			
03538-MW04	X						X	X	X	X			
03538-MW05						X							
Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes MTBE=Methyl tertiary butyl ether 1,2 DCA = 1,2 Dichloroethane EDB = Ethylene Dibromide													

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
03538-MW06	X						X	X	X	X			
03538-MW07	X						X	X	X	X			
03538-MW08	X						X	X	X	X			
03538-MW09						X							
03538-MW10						X							
03538-MW10R						X							
03538-MW10RR						X							
03538-MW11	X						X	X	X	X			
03538-MW14						X							
03538-MW15						X							
03538-MW16						X							
03538-MW17						X							
03538-MW18	X						X	X	X	X			
03538-MW19	X						X	X	X	X			
03538-MW20	X						X	X	X	X			
03538-MW21						X							
03538-MW22						X							
03538-MW22D	X						X	X	X	X			
03538-MW23							X						
03538-MW24							X						
03538-MW25							X						
03538-MW26							X						
03538-MW27	X						X	X	X	X			
03538-MW28	X						X	X	X	X			
03538-TW01	X						X	X	X	X			
03538-TW02	X						X	X	X	X			
03538-WSW01 8/19										X		X	
03538-WSW01										X		X	X
03535-DUP (WSW01 8/19)										X		X	
03538-DUP (MW01)							X	X	X	X			
03538-DUP (WSW01)										X		X	X
03538-WSW FIELD BLANK 8/19										X		X	
Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes MTBE=Methyl tertiary butyl ether 1,2 DCA = 1,2 Dicloroethane EDB = Ethylene Dibromide													

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
03538- FIELD BLANK							X	X	X	X			
03538-WSW FIELD BLANK										X		X	X
03538- WSW TRIP BLANK 8/19										X		X	
03538- TRIP BLANK										X		X	
03538-WSW TRIP BLANK										X		X	
Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes MTBE=Methyl tertiary butyl ether 1,2 DCA = 1,2 Diclroethane EDB = Ethylene Dibromide													

The results of the laboratory analyses are summarized in Table 3 and presented in Appendix B.

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 310.75 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is presented in Appendix G.

5.0 TEST RESULTS AND EVALUATION

The following sections discuss groundwater test results for the subject site.

5.1 GROUNDWATER ANALYTICAL RESULTS

As discussed in section 4.1, groundwater samples obtained from the monitoring well network were analyzed for dissolved phase petroleum constituents. The analytical results indicate petroleum impact to the surficial aquifer (“Shallow” Zone), with the highest dissolved concentrations being detected in the area of MW-4. Of the sixteen monitoring wells sampled, five monitoring wells (IGWA-R, MW-1, MW-3, MW-4, and TW-2) detected petroleum constituents above Risked Based Screening Levels (RBSL’s). Petroleum constituents detected above the established RBSL include:

Compound	RBSL/SCAL (ug/l)	Wells Above RBSL
Benzene	5	IGWA-R, MW-1, MW-3, & MW-4
Toluene	1,000	MW-3, & MW-4
Ethylbenzene	700	MW-3, & MW-4
Total Xylenes	10,000	None
Naphthalene	25	IGWA-R, MW-1, MW-3, & MW-4
MTBE	40	None
1,2 DCA	5	None
EDB	0.05	MW-1, MW-3, MW-4, & TW-2
Lead	15	Not Analyzed
TAA	240	None
TAME	128	None
ETBA	NE	RBSL Not Established
TBA	1,400	None
TBF	NE	RBSL Not Established
DIPE	150	None
Ethanol	10,000	None
ETBE	47	None

In addition, the analytical results also detected petroleum constituents above the laboratory method detection limit or “J” values in water supply well WSW-1, however this did not exceed the establish RBSL’s. The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

6.0 ASSESSMENT SUMMARY & RECOMMENDATIONS

Based on the results of our assessment activities, it appears that impact to the surficial aquifer has occurred due to a release of petroleum hydrocarbons. The highest concentrations of dissolved phase contaminants are located in the area south of the former UST’s. Groundwater appears to be moving in an easterly direction towards drainage features associated with the Canal Branch; however, this flow direction changes overtime and flow is generally radial to semi-radial.

As discussed in section 4.1, groundwater samples obtained from the monitoring well network were analyzed for dissolved phase petroleum constituents. The analytical results indicate petroleum impact to the surficial aquifer (“Shallow” Zone), with the highest dissolved concentrations being detected in the area of MW-4. Of the sixteen monitoring wells sampled, five monitoring wells (IGWA-R, MW-1, MW-3, MW-4, and TW-2) detected petroleum constituents above Risked Based Screening Levels (RBSL’s). Petroleum constituents detected above the established RBSL include:

Compound	RBSL/SCAL (ug/l)	Wells Above RBSL
Benzene	5	IGWA-R, MW-1, MW-2, MW-3, & MW-4
Toluene	1,000	MW-3 & MW-4
Ethylbenzene	700	MW-3 & MW-4
Total Xylenes	10,000	None
Naphthalene	25	IGWAR, MW-1, MW-3, & MW-4
MTBE	40	None
1,2 DCA	5	None
EDB	0.05	MW-1, MW-3, MW-4 & TW-2
Lead	15	Not Analyzed
TAA	240	None
TAME	128	None
ETBA	NE	RBSL Not Established
TBA	1,400	None
TBF	NE	RBSL Not Established
DIPE	150	None
Ethanol	10,000	None
ETBE	47	None

In addition, the analytical results also detected petroleum constituents above the laboratory method detection limit or “J” values in water supply well WSW-1, however this did not exceed the establish RBSL’s. The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

Figure 4 depicts graphically the concentrations of Benzene in the monitoring wells at the site. Figure 4A depicts graphically the concentrations of Naphthalene in the monitoring wells at the subject site. Figure 4B depicts graphically the concentrations of EDB in the monitoring wells at the subject site. Figure 4C presents the 8-Oxygenates in the groundwater at the subject site.

Due to the many monitoring wells either destroyed or abandoned the plume emanating from the site does not appear to be fully defined. MECI recommends additional assessment activities be performed at the site to better define the contamination plume. Recommended activities include:

- WSW-1 should either be abandoned or fitted with a granular carbon filtration system;
- Replace the monitoring wells as followed: MW-2, MW-5, MW-7, MW-10RR, MW-15, MW-16, MW-17, MW-22, MW-24, MW-25, and MW-26.;
- Add Additional wells as followed: a shallow monitoring well northeast of MW-4 between MW-4 and MW-25, add a monitoring well directly east of MW-11, a deep monitoring well paired with MW-25, and add a series of six recovery wells in the areas of highest CoC concentrations.;
- Perform a series of Aggressive Fluid Vapor Recovery (AFVR) following the completion of the recovery wells.;
- Comprehensive ground water sampling event following the AFVR’s.

7.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of

this report are intended for the sole use of Mr. Dan McEachin, MECI and SCDHEC under mutually agreed upon terms and conditions. If other parties wish to rely on this report please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

-oOo-

TABLES

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7034
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
IGWA	9/29/1999	TD: 16.74	NA	NA	0.21	145.19	NA
	2/20/2012		-	DRY	-	145.19	DRY
	6/26/2012		-	NM	-	145.19	NM
	12/3/2012		-	11.98	-	145.19	133.21
	12/13/2014		-	12.15	-	145.19	133.04
	8/31/2015		-	13.78	-	145.19	131.41
	6/1/2016		-	4.61	-	145.19	140.58
	4/4/2017		-	8.48	-	145.19	136.71
	4/4/2018		-	11.10	-	145.19	134.09
	6/29/2020		-	NL	-	145.19	NL
IGWA-R	9/29/1999	11-21	-	14.10	-	145.14	131.04
	2/20/2012		-	NM	-	145.14	NM
	6/26/2012		-	14.10	-	145.14	131.04
	12/3/2012		-	11.93	-	145.14	133.21
	12/13/2014		-	12.10	-	145.14	133.04
	8/31/2015		-	NM	-	145.14	NM
	6/1/2016		-	4.49	-	145.14	140.65
	4/4/2017		-	8.52	-	145.14	136.62
	4/4/2018		-	11.09	-	145.14	134.05
	6/29/2020		-	3.62	-	145.14	141.52
MW-1	9/29/1999	TD: 17.80	-	13.31	-	145.87	132.56
	2/20/2012		-	DRY	-	145.87	DRY
	6/26/2012*		14.69	14.71	0.02	145.87	131.18
	12/2/2012		-	12.54	-	145.87	133.33
	12/13/2014		-	12.75	-	145.87	133.12
	8/31/2015		-	12.31	-	145.87	133.56
	6/1/2016		-	5.16	-	145.87	140.71
	4/4/2017		-	9.24	-	145.87	136.63
	4/4/2018		-	11.62	-	145.87	134.25
	6/29/2020		-	4.31	-	145.87	141.56
MW-2	9/29/1999	TD: 18.30	-	13.63	-	145.19	131.56
	2/20/2012		-	DRY	-	145.19	DRY
	6/26/2012		-	14.04	-	145.19	131.15
	12/2/2012		-	12.34	-	145.19	132.85
	12/13/2012		-	12.36	-	145.19	132.83
	8/31/2015		-	12.17	-	145.19	133.02
	6/1/2016		-	4.57	-	145.19	140.62
	4/4/2017		-	7.95	-	145.19	137.24
	4/4/2018		-	11.00	-	145.19	134.19
	6/29/2020		-	NL	-	145.19	NL
MW-3	9/29/1999	TD:18.20	-	13.13	-	145.51	132.38
	2/20/2012*		17.80	18.20	0.40	145.51	127.65
	6/26/2012*		14.18	14.19	0.01	145.51	131.33
	12/2/2012		-	12.67	-	145.51	132.84
	12/13/2014		-	12.39	-	145.51	133.12
	8/31/2015		-	12.06	-	145.51	133.45
	6/1/2016		-	4.68	-	145.51	140.83
	4/4/2017		-	8.73	-	145.51	136.78
	4/4/2018		-	11.30	-	145.51	134.21
	6/29/2020		-	3.88	-	145.51	141.63
MW-4	9/29/1999	TD:18.35	-	12.91	-	145.56	132.65
	2/20/2012*		17.56	17.58	0.02	145.56	128.00
	6/26/2012		-	14.35	-	145.56	131.21
	12/2/2013		-	12.26	-	145.56	133.30
	12/13/2012		-	12.43	-	145.56	133.13
	8/31/2015		-	12.24	-	145.56	133.32
	6/1/2016		-	NL	-	145.56	NL
	4/4/2017		-	8.86	-	145.56	136.70
	4/4/2018		-	11.27	-	145.56	134.29
	6/29/2020		-	3.94	-	145.56	141.62
MW-5	9/29/1999	8.29-18.29	-	12.54	-	145.11	NA
	2/20/2012		-	17.05	-	145.11	128.06
	6/26/2012		-	13.90	-	145.11	131.21
	12/3/2014		-	NL	-	145.11	NL
	12/13/2014		-	NL	-	145.11	NL
	8/31/2015		-	NL	-	145.11	NL
	6/1/2016		-	4.35	-	145.11	140.76
	4/4/2017		-	8.45	-	145.11	136.66
	4/4/2018		-	10.34	-	145.11	134.77
	6/29/2020		-	NL	-	145.11	NL

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7034
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-6	9/29/1999	8.29-18.29	-	13.04	-	146.04	133.00
	2/20/2012		-	DRY	-	146.04	DRY
	6/26/2012		-	14.65	-	146.04	131.39
	12/2/2013		-	12.67	-	146.04	133.37
	12/13/2012		-	12.91	-	146.04	133.13
	8/31/2015		-	12.54	-	146.04	133.50
	6/1/2016		-	5.13	-	146.04	140.91
	4/4/2017		-	9.60	-	146.04	136.44
	4/4/2018		-	11.84	-	146.04	134.20
	6/29/2020		-	4.46	-	146.04	141.58
MW-7	9/29/1999	8.38-18.38	-	NA	-	144.61	NA
	2/20/2012		-	16.54	-	144.61	128.07
	6/26/2012		-	13.45	-	144.61	131.16
	12/3/2012		-	11.20	-	144.61	133.41
	12/13/2014		-	11.47	-	144.61	133.14
	8/31/2015		-	11.15	-	144.61	133.46
	6/1/2016		-	3.97	-	144.61	140.64
	4/4/2017		-	NL	-	144.61	NL
	4/4/2018		-	10.40	-	144.61	134.21
	6/29/2020		-	3.00	-	144.61	141.61
MW-8	9/29/1999	8.29-18.29	-	11.54	-	143.78	132.24
	2/20/2012		-	15.59	-	143.78	128.19
	6/26/2012		-	12.62	-	143.78	131.16
	12/3/2012		-	10.43	-	143.78	133.35
	12/13/2014		-	10.61	-	143.78	133.17
	8/31/2015		-	10.32	-	143.78	133.46
	6/1/2016		-	3.08	-	143.78	140.70
	4/4/2017		-	6.93	-	143.78	136.85
	4/4/2018		-	9.41	-	143.78	134.37
	6/29/2020		-	2.18	-	143.78	141.60
MW-9	9/29/1999	8.33-18.33	-	12.08	-	NA	NA
	2/20/2012		-	NL	-	NL	NL
	6/26/2012		-	NL	-	NL	NL
	12/3/2012		-	NL	-	NL	NL
	12/13/2014		-	NL	-	NL	NL
	8/31/2015		-	NL	-	NL	NL
	6/1/2016		-	NL	-	NL	NL
	4/4/2017		-	NL	-	NL	NL
	4/4/2018		-	NL	-	NL	NL
	6/29/2020		-	NL	-	NL	NL
MW-10	9/29/1999	TD: 18.25	-	NA	-	143.84	NA
	2/20/2012		-	15.65	-	143.84	128.19
	6/26/2012		-	12.41	-	143.84	131.43
	12/3/2012		-	NL	-	143.84	NL
	12/13/2014		-	NL	-	143.84	NL
	8/31/2015		-	NL	-	143.84	NL
	6/1/2016		-	NL	-	143.84	NL
	4/4/2017		-	NL	-	143.84	NL
	4/4/2018		-	NL	-	143.84	NL
MW-10R	12/3/2014	TD:11.61	-	10.50	-	143.81	133.31
	12/13/2014		-	10.62	-	143.81	133.19
	8/31/2015		-	10.29	-	143.81	133.52
	6/1/2016		-	NL	-	143.81	NL
	4/4/2017		-	NL	-	143.81	NL
	4/4/2018		-	NL	-	143.81	NL
MW-10RR	4/4/2018	7.00-17.00	-	9.91	-	144.36	134.45
	6/29/2020		-	DESTROYED	-	144.36	DESTROYED
MW-11	9/29/1999	8.42-18.42	-	12.75	-	145.68	132.93
	2/20/2012		-	17.85	-	145.68	127.83
	6/26/2012		-	14.39	-	145.68	131.29
	12/3/2014		-	12.64	-	145.68	133.04
	12/13/2014		-	12.70	-	145.68	132.98
	8/31/2015		-	13.69	-	145.68	131.99
	6/1/2016		-	5.36	-	145.68	140.32
	4/4/2017		-	9.38	-	145.68	136.30
	4/4/2018		-	11.62	-	145.68	134.06
	6/29/2020		-	4.28	-	145.68	141.40

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7034
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-14	9/29/1999	8.29-18.29	-	11.87	-	144.36	132.49
	2/20/2012		-	16.35	-	144.36	128.01
	6/26/2012		-	NL	-	144.36	NL
	12/3/2012		-	NL	-	144.36	NL
	12/13/2014		-	11.39	-	144.36	132.97
	8/31/2015		-	13.11	-	144.36	131.25
	6/1/2016		-	3.43	-	144.36	140.93
	4/4/2017		-	7.25	-	144.36	137.11
	4/4/2018		-	NL	-	144.36	NL
	6/29/2020		-	NL	-	144.36	NL
MW-15	6/26/2012	10-20	-	12.78	-	143.54	130.76
	12/3/2014		-	10.46	-	143.54	133.08
	12/13/2014		-	10.62	-	143.54	132.92
	8/31/2015		-	12.32	-	143.54	131.22
	6/1/2016		-	3.00	-	143.54	140.54
	4/4/2017		-	8.06	-	143.54	135.48
	4/4/2018		-	10.37	-	143.54	133.17
	6/29/2020		-	NL	-	143.54	NL
MW-16	6/26/2012	11-21	-	13.43	-	144.33	130.90
	12/3/2014		-	11.18	-	144.33	133.15
	12/13/2014		-	11.42	-	144.33	132.91
	8/31/2015		-	14.48	-	144.33	129.85
	6/1/2016		-	NL	-	144.33	NL
	4/4/2017		-	7.51	-	144.33	136.82
	3/29/2018		-	NL	-	144.33	NL
	6/29/2020		-	NL	-	144.33	NL
MW-17	6/26/2012	11-21	-	13.96	-	145.08	131.12
	12/3/2014		-	11.92	-	145.08	133.16
	12/13/2014		-	12.10	-	145.08	132.98
	8/31/2015		-	11.72	-	145.08	133.36
	6/1/2016		-	4.54	-	145.08	140.54
	4/4/2017		-	8.46	-	145.08	136.62
	3/29/2018		-	10.69	-	145.08	134.39
	6/29/2020		-	ABANDONED	-	145.08	ABANDONED
MW-18	6/26/2012	11-21	-	14.44	-	145.79	131.35
	12/3/2014		-	12.42	-	145.79	133.37
	12/13/2014		-	12.60	-	145.79	133.19
	8/31/2015		-	12.28	-	145.79	133.51
	6/1/2016		-	4.93	-	145.79	140.86
	4/4/2017		-	9.11	-	145.79	136.68
	4/4/2018		-	11.45	-	145.79	134.34
	6/29/2020		-	4.11	-	145.79	141.68
MW-19	12/3/2014	2.12-12.12	-	9.79	-	143.67	133.88
	12/13/2014		-	10.66	-	143.67	133.01
	8/31/2015		-	10.74	-	143.67	132.93
	6/1/2016		-	3.13	-	143.67	140.54
	4/4/2017		-	6.68	-	143.67	136.99
	4/4/2018		-	14.85	-	148.42	133.57
	6/29/2020		-	6.11	-	148.42	142.31
MW-20	12/3/2014	4.50-14.50	-	10.97	-	143.93	132.96
	12/13/2014		-	11.17	-	143.93	132.76
	8/31/2015		-	11.80	-	143.93	132.13
	6/1/2016		-	NL	-	143.93	NL
	4/4/2017		-	NL	-	143.93	NL
	4/4/2018		-	14.26	-	148.46	134.20
	6/29/2020		-	7.00	-	148.46	141.46
MW-21	12/3/2014	2.75-12.75	-	10.38	-	143.25	132.87
	12/13/2014		-	10.60	-	143.25	132.65
	8/31/2015		-	10.91	-	143.25	132.34
	6/1/2016		-	2.63	-	143.25	140.62
	4/4/2017		-	6.34	-	143.25	136.91
	3/29/2018		-	NL	-	143.25	NL
	6/29/2020		-	NL	-	143.25	NL
MW-22	12/3/2014	5.09-15.09	-	9.92	-	145.03	135.11
	12/13/2014		-	12.16	-	145.03	132.87
	8/31/2015		-	11.53	-	145.03	133.50
	6/1/2016		-	4.31	-	145.03	140.72
	4/4/2017		-	7.54	-	145.03	137.49
	4/4/2018		-	NL	-	145.03	NL
	6/29/2020		-	NL	-	145.03	NL

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 19-7034
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-22D	12/3/2014	39.23-44.23	-	13.83	-	144.89	131.06
	12/13/2014		-	13.82	-	144.89	131.07
	8/31/2015		-	13.78	-	144.89	131.11
	6/1/2016		-	6.32	-	144.89	138.57
	4/4/2017		-	10.26	-	144.89	134.63
	4/4/2018		-	NL	-	144.89	NL
	6/29/2020		-	6.80	-	144.89	138.09
MW-23	12/3/2014	1.61-11.61	-	11.90	-	143.63	131.73
	12/13/2014		-	10.77	-	143.63	132.86
	8/31/2015		-	15.00	-	143.63	128.63
	6/1/2016		-	3.22	-	143.63	140.41
	4/4/2017		-	6.79	-	143.63	136.84
	3/29/2018		-	9.62	-	143.63	134.01
	6/29/2020		-	ABANDONED	-	143.63	ABANDONED
MW-24	12/3/2014	8.42-18.42	-	10.81	-	143.78	132.97
	12/13/2014		-	11.03	-	143.78	132.75
	8/31/2015		-	DRY	-	143.78	DRY
	6/1/2016		-	3.30	-	143.78	140.48
	4/4/2017		-	6.60	-	143.78	137.18
	3/29/2018		-	9.39	-	143.78	134.39
	6/29/2020		-	ABANDONED	-	143.79	ABANDONED
MW-25	12/3/2014	8.29-18.29	-	10.66	-	144.04	133.38
	12/13/2014		-	11.08	-	144.04	132.96
	8/31/2015		-	DRY	-	144.04	DRY
	6/1/2016		-	3.40	-	144.04	140.64
	4/4/2017		-	7.32	-	144.04	136.72
	3/29/2018		-	10.05	-	144.04	133.99
	6/29/2020		-	ABANDONED	-	144.04	ABANDONED
MW-26	12/3/2014	10-20	-	11.84	-	144.96	133.12
	12/13/2014		-	12.09	-	144.96	132.87
	8/31/2015		-	14.27	-	144.96	130.69
	6/1/2016		-	4.51	-	144.96	140.45
	4/4/2017		-	8.34	-	144.96	136.62
	3/29/2018		-	10.66	-	144.96	134.30
	6/29/2020		-	ABANDONED	-	144.96	ABANDONED
MW-27	12/3/2014	11-21	-	11.37	-	144.77	133.40
	12/13/2014		-	11.50	-	144.77	133.27
	8/31/2015		-	14.31	-	144.77	130.46
	6/1/2016		-	3.96	-	144.77	140.81
	4/4/2017		-	8.32	-	144.77	136.45
	4/4/2018		-	11.27	-	144.77	133.50
	6/29/2020		-	3.10	-	144.77	141.67
MW-28	12/3/2014	11-21	-	9.97	-	142.71	132.74
	12/13/2014		-	10.10	-	142.71	132.61
	8/31/2015		-	10.59	-	142.71	132.12
	6/1/2016		-	NL	-	142.71	NL
	4/4/2017		-	NL	-	142.71	NL
	4/4/2018		-	13.08	-	147.16	134.08
	6/29/2020		-	5.80	-	147.16	141.36
TW-1	9/29/1999	31-36	-	12.79	-	145.77	132.98
	2/20/2012		-	17.75	-	145.77	128.02
	6/26/2012		-	14.65	-	145.77	131.12
	12/3/2014		-	NL	-	145.77	NL
	12/13/2014		-	12.69	-	145.77	133.08
	8/31/2015		-	12.26	-	145.77	133.51
	6/1/2016		-	NL	-	145.77	NL
	4/4/2017		-	9.24	-	145.77	136.53
	4/4/2018		-	11.53	-	145.77	134.24
	6/29/2020		-	4.22	-	145.77	141.55
TW-2	6/26/2012	31-36	-	13.95	-	143.98	130.03
	12/3/2014		-	10.79	-	143.98	133.19
	12/13/2014		-	11.93	-	143.98	132.05
	8/31/2015		-	11.63	-	143.98	132.35
	6/1/2016		-	3.35	-	143.98	140.63
	4/4/2017		-	7.21	-	143.98	136.77
	4/4/2018		-	10.05	-	143.98	133.93
	6/29/2020		-	2.21	-	143.98	141.77

Notes:

1. Well Head elevations obtained from SCDHEC Files.
2. Groundwater depths were measured from the top of the PVC riser pipe.
3. * Groundwater elevations corrected for the presence of free product using a specific gravity of 0.85.

4. NL = Not Located
5. NA = Information not available
6. DRY = Well Gauged DRY
7. Monitoring wells MW-17, MW-24, MW-25, and MW-26 were abandoned on 3/29/18.

GROUNDWATER COC CONCENTRATION DATA																			TABLE 3
COASTAL 76 TRUCK STOP																			
JUNE 29, 2020 SAMPLING EVENT																			
FLORENCE, SOUTH CAROLINA																			
MECI PROJECT NUMBER 19-7034																			
SCDHEC ID NUMBER 03538																			
Well Number	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAA	TAME	ETBA	TBA	TBF	DIPE	Ethanol	ETBE	
		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
		RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05	RBSL 0.015	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47	
IGWA	09/29/99	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
	06/26/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/03/14	1,300	6,000	630	11,000	310.0	<40	<15	2.0	65	790J	<20	<100	<670	<100	<40	<3300	<20	
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	1,730	7,710	933	11,500	566	<100	<100	0.26	NT	2,740	<200	<2,000	<2,000	<1,000	<100	<4,000	<200	
	06/01/16	976	6,630	646	8,210	197J	<200	<200	0.28	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400	
	04/04/17	533	4,630	895	9,090	358	<125	<125	0.51	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250	
	04/04/18	532	2,990	306	8,440	337	<200	<200	0.84	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400	
06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
IGWA-R	06/26/12	130	790	180	980	160	<25	<25	0.71	9.0J	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	2,000	9,400	1,800	7,000	530	<40	<15	3.2	51	<2,500	<20	<2,500	<670	<100	<40	<3,300	<250	
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NL	NL	NL	NL	NL	NL	NL	NL	
	06/01/16	405	3,450	1,590	5,790	426	<125	<125	0.39	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250	
	04/04/17	906	6,540	2,260	8,480	623	<250	<250	0.93	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500	
	04/04/18	932	6,290	2,300	8,170	590	<250	<250	0.74	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500	
	06/29/20	115	422	68.5	707	37.7	<20.0	<20.0	0.03	NT	<400	<40.0	<400	<400	<200	<20.0	<800	<40.0	
	09/29/99	19,900	26,000	2,040	12,080	592	NT	NT	111	609	NT	NT	NT	NT	NT	NT	NT	NT	
02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY		
06/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD		
12/03/14	17,000	27,000	1,500	15,000	820	250J	<74	210	630	8,800J	<100	<500	<3,400	<500	<200	<17,000	<100		
12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
08/31/15	4,300	7,020	976	5,230	332	288	21.6J	6.2	NT	4,220	<100	<1,000	<1,000	<500	<50.0	<2,000	<100		
06/01/16	14,100	18,100	1,240	18,100	1,130	<1,000	<1,000	10.2	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000		
04/04/17	13,900	25,400	1,070	15,700	1,000	<1,000	<1,000	20.2	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000		
04/04/18	11,000	18,100	1,010	17,200	1,210	<1,000	<1,000	156	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000		
06/29/20	90.8	308	10.6J	313	40.1	<12.5	<12.5	0.077	NT	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0		
MW-2	09/29/99	18,500	28,300	3,360	15,270	670	19,500	NT	ND	403	NT	NT	NT	NT	NT	NT	NT	NT	
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
	06/26/12	9,800	17,000	1,300	11,000	370	1,100	240J	65	390	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	4,800	8,200	940	4,500	260	250	<15	28	150	<20	<100	<670	<100	<40	<3,300	<20		
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	4,760	7,890	996	5,870	355	317	21.9	8.4	NT	<50.0	<500	<420J	<250	<25.0	<1,000	<50.0		
	06/01/16	2,870	3,760	364	2,500	139	281	<125	10.9	NT	<250	<2,500	<2,500	<1,250	<125	<5,000	<250		
	04/04/17	270	21.3	39.9	49.0	23.6	36.6	<10.0	0.13	NT	<20.0	<200	<200	<100	<10.0	<400	<20.0		
	04/04/18	4,070	5,900	943	4,400	165J	332	<250	22.2	NT	<500	<5,000	<5,000	<2,500	<250	<10,000	<500		
06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
MW-3	09/29/99	6,800	16,900	2,380	14,020	570	31.5	NT	81.1	116	NT	NT	NT	NT	NT	NT	NT	NT	
	02/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	
	06/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	
	12/03/14	2,000	10,000	1,600	11,000	780	<40	<15	3.2	100	<20	<100	<670	<100	<40	<3,300	<20		
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	4,220	7,460	972	5,810	375	312	19.9J	6.6	NT	<50.0	<500	<431J	<250	<25.0	<1,000	<50.0		
	06/01/16	1,620	11,200	2,020	13,000	996	<500	<500	0.91	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000	
	04/04/17	1,580	10,900	1,810	12,000	810	<500	<500	0.97	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000	
	04/04/18	1,490	9,660	1,910	11,700	884	<500	<500	1.3	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000	
06/29/20	450	2,560	792	5,310	435	<125	<125	0.21	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250		
MW-4	09/29/99	19,300	34,300	4,630	21,500	800	4,530	NT	ND	113	NT	NT	NT	NT	NT	NT	NT	NT	
	02/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	
	06/26/12	8,500	22,000	21,000	17,000	1,100	<500	<500	14	440	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	3,600	9,100	810	10,000	710	<80	<29	2.20	110	<40	<200	<1,300	<200	<80	<6,600	<40		
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	4,390	7,900	953	5,940	366	301	19.6J	6.9	NT	<50.0	<500	<439J	<250	<25.0	<1,000	<50.0		
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
	04/04/17	2,210	3,800	703	5,130	363	<125	<125	1.6	NT	<250	<2,500	<2,500	<1,250	<125	<5,000	<250		
	04/04/18	1,870	4,230	503	4,600	342	<125	<125	1.0	NT	<250	<2,500	<2,500	<1,250	<125	<5,000	<250		
06/29/20	1,070	4,030	744	4,200	304	<200	<200	1.6	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400		
MW-5	09/29/99	1,590	7,410	1,850	10,320	560	13.1	NT	11.9	43	NT	NT	NT	NT	NT	NT	NT	NT	
	02/20/12	640	5,100	990	5,800	210	<5.0	<5.0	0.45	670	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20	
	06/26/12	810	7,400	1,500	10,000	770	<200	<200	0.86	31	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
	06/01/16	20.4	88.8	93	147	47.2	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	04/04/17	101	424	1,020	2,940	427	<50.0	<50.0	<0.020	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100	
	04/04/18	196	684	1,130	2,520	299	<50.0	<50.0	<0.020	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100	
06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
MW-6	09/29/99	ND	5	5.72	25.93	7.8	ND	NT	ND	23	NT	NT	NT	NT	NT	NT	NT	NT	
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	9.7J	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2.3J	180	<0.20	<1.0	8.9	<1.0	<0.40	<33	<0.20	
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0				

TABLE 3 GROUNDWATER COC CONCENTRATION DATA COASTAL 76 TRUCK STOP JUNE 29, 2020 SAMPLING EVENT FLORENCE, SOUTH CAROLINA MECI PROJECT NUMBER 19-7034 SCDHEC ID NUMBER 03538																		
Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05	RBSL 0.015	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47
MW-7	09/29/99	ND	5,440	1,750	7,350	530	979	NT	ND	25	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	180	870	740	2,500	210	<5.0	4.1J	<0.020	280	140	<0.20	2.5J	8.9J	<1.0	<0.40	<33	<0.20
	06/26/12	390	3,000	1,700	7,500	600	<200	<200	<0.063	25	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	210	740	1,300.0	3,700	270	<20	<7.4	<0.020	8.1J	<340	<50	<50	<340	<50	<20	<1,700	<10
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	180	475	1,090	2,320	283	<25.0	<25.0	<0.019	NT	647	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	2.1J	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	3.7J	2.4J	5.3	34.5	5.7	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
06/26/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
MW-8	09/29/99	ND	65.1	1,110	5,690	410	ND	NT	ND	16	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	<0.20	<1.7	<1.7	3.4J	4.1J	<0.40	<0.30	<0.019	140	72J	<0.20	<1.0	18J	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	<5.0	6.9	29	20	<5.0	<5.0	<0.021	20	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	31	<6.7	<1.0	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
MW-9	09/29/99	ND	ND	ND	1.46	ND	ND	NT	ND	12	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/26/12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10	09/29/99	ND	4.09	2.63	7.43	ND	14.15	NT	ND	13	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	<0.20	<1.7	<1.7	<1.7	<1.7	<0.40	<0.30	<0.023	2.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	11	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10R	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	28	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
MW-10RR	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.028	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-11	09/29/99	10.1	1.63	19.90	11.18	15.2	ND	NT	ND	120	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<					

TABLE 3 GROUNDWATER COC CONCENTRATION DATA COASTAL 76 TRUCK STOP JUNE 29, 2020 SAMPLING EVENT FLORENCE, SOUTH CAROLINA MECI PROJECT NUMBER 19-7034 SCDHEC ID NUMBER 03538																		
Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05	RBSL 0.015	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47
MW-16	06/26/12	180	580	83	380	39	5.4J	<25	0.59	16	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	1.3	0.62J	<0.33	0.68J	<0.40	1.1	<0.15	0.031	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	759	138	286	211	70.1	10.5	1.8J	<0.020	NT	678	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	03/29/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-17	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/26/12	880	1,500	1,500	5,700	980	20J	<100	2.8	35	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	230	600	1,000	5,000	340	<20	<7.4	0.7	31	<340	<10	<50	<340	<50	<20	<1700	<10
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	5,020	8,730	1,200	6,430	391	331	20.5J	9.5	NT	4,930	<50.0	<500	421J	<250	<25.0	<1,000	<50.0
	06/01/16	2,680	5,400	1,780	5,890	506	<200	<200	4.7	NT	<4,000	<10	<4,000	<100	<50.0	<200	<8,000	<400
	04/04/17	91.4	11.9	17.3	131	22.8	<5.0	<5.0	0.11	NT	96.7J	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-18	03/29/18	1,720	2,700	1,020	5,830	449	81.5J	<125	5.1	NT	3,590	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	06/29/20	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	11	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	0.40J	80	21	<0.40	<0.15	<0.019	<1.9	<6.7	<0.20	<1.0	12J	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	2,720	14,500	2,050	14,700	2,450	<1,000	<1,000	4.3	NT	25,200	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-19	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-20	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-21	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	6.9J	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-22	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2J	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	

TABLE 3 GROUNDWATER COC CONCENTRATION DATA COASTAL 76 TRUCK STOP JUNE 29, 2020 SAMPLING EVENT FLORENCE, SOUTH CAROLINA MECI PROJECT NUMBER 19-7034 SCDHEC ID NUMBER 03538																		
Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		<i>RBSL</i> <i>5</i>	<i>RBSL</i> <i>1,000</i>	<i>RBSL</i> <i>700</i>	<i>RBSL</i> <i>10,000</i>	<i>RBSL</i> <i>25</i>	<i>RBSL</i> <i>40</i>	<i>RBSL</i> <i>5</i>	<i>RBSL</i> <i>0.05</i>	<i>RBSL</i> <i>0.015</i>	<i>RBSL</i> <i>240</i>	<i>RBSL</i> <i>128</i>	<i>RBSL</i> <i>NE</i>	<i>RBSL</i> <i>1,400</i>	<i>RBSL</i> <i>NE</i>	<i>RBSL</i> <i>150</i>	<i>RBSL</i> <i>10,000</i>	<i>RBSL</i> <i>47</i>
MW-26	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	3.3J	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<10.0	4.0J	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	03/29/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-27	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.019	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-28	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	3.3J	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<10.0	4.2J	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TW-1	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	09/29/99	89.6	289	91.5	377	5	15	NT	ND	7	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	<0.20	<1.7	<1.7	<1.7	2.6J	<0.40	<0.30	<0.019	13	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	3.4J	NT	NT	NT	NT	NT	<0.40	<33	<0.20
	12/03/14	NL	NL	NL	NL	NL	NL	NL	<0.020	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
TW-2	08/31/15	564	4,820	1,430	7,990	525	<100	<100	0.13	NT	<2,000	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	06/01/16	NL	NL	NL	NL	NL	NL	NL	<0.020	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	11	NT	NT	NT	NT	NT	NT	NT	NT
WSW-1	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-3 Dup.	04/04/18	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	04/18/18	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	08/14/19	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	NT	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	06/29/20	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	<0.50	<0.020	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	12/02/14	2,000	11,000	1,700	10,000	750	<40	<15	3.2	100	1,900J	<20	<100	<670	<100	<40	<3,300	<20
	12/03/14	4,000	9,600	820	9,500	640	<40	<15	2.0	130	2,800	<20	<100	<670	<100	<40	<3,300	<20
MW-4 Dup.	08/31/15	1,670	7,540	792	10,200	588	<100	<100	0.81	NT	1,410	<50.0	<500	<500	<250	<25.0	<1,000	<50.0
	08/31/15	1,970	7,550	877	12,000	478	<25.0	<25.0	0.86	NT	2,810	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	06/01/16	1,150	7,730	724	8,970	193J	<250	<250	0.27	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	06/01/16	434	3,670	1,710	6,300	471	<125	<125	0.50	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/04/17	528	4,590	901	9,120	350	<125	<125	0.49	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/04/17	898	7,100	2,100	6,690	658	<250	<250	0.70	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
DUP-2. (IGWA-R)	03/29/18	1,290	1,590	677	4,050	352	<50.0	<50.0	4.3	NT	1,850	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	04/04/18	562	3,030	296	7,870	350	<200	<200	0.77	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	04/04/18	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	<0.021	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	04/18/18	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	08/14/19	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	<0.50	NT	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	06/29/20	80.2	281	8.7J	286	32.3	<10.0	<10.0	<0.020	NT	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
DUP-1 (IGWA)	06/29/20	<0.50	<0.50	<0.50	<0.50	<0.50	4.2	<0.50	<0.019	NT	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
	12/02/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/12/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20

FIGURES



Reference: Florence East, South Carolina
 Contour Interval- 2 Meters
 USGS 7.5 Min. Quad

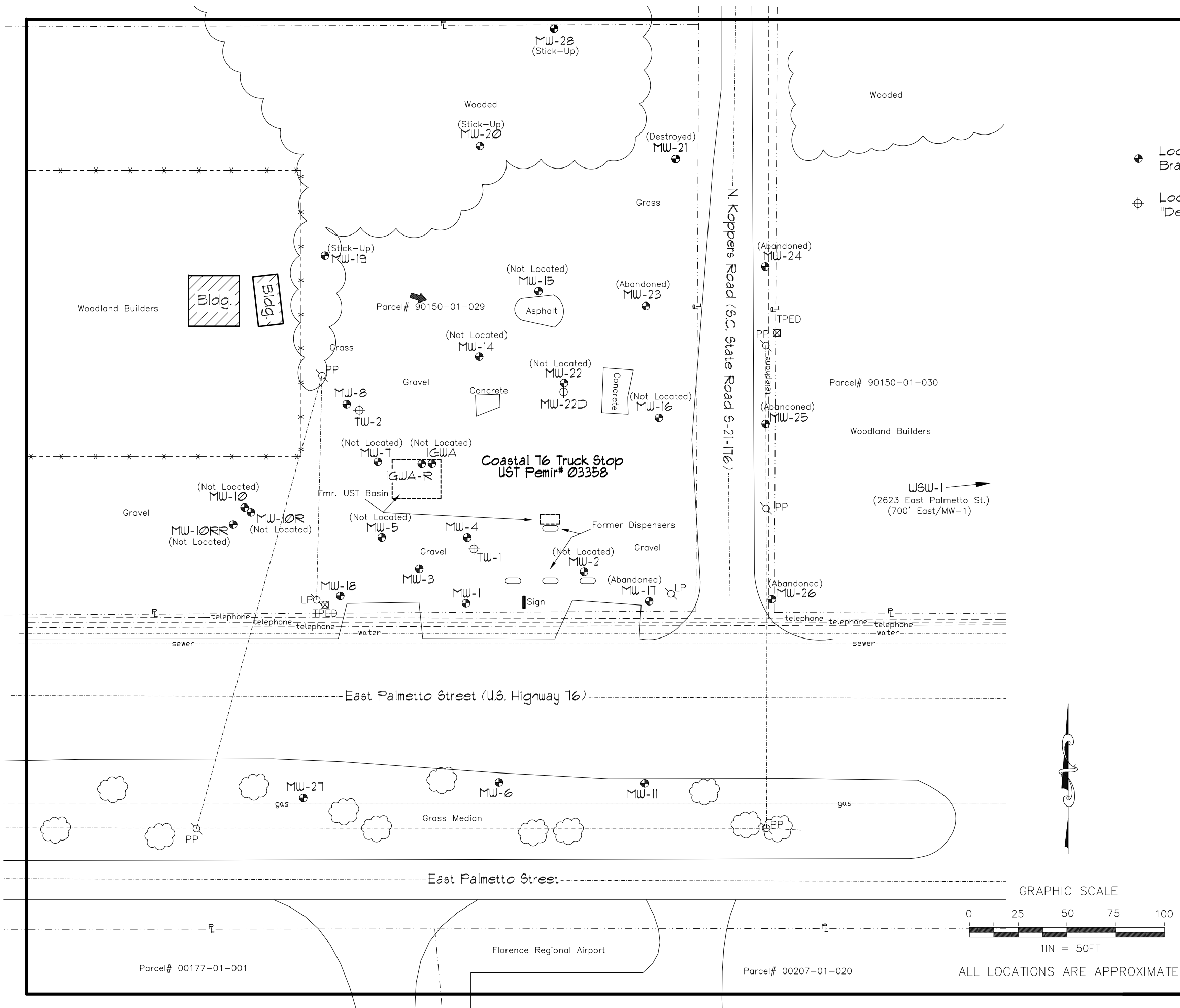
 Midlands
 Environmental
 Consultants, Inc.

Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 SCDHEC Site ID# 03538

Figure 1

MECI 19-T034



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- Buried Gas Line
- Buried Water Line
- Buried Sewer
- Buried Telephone
- Fence

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

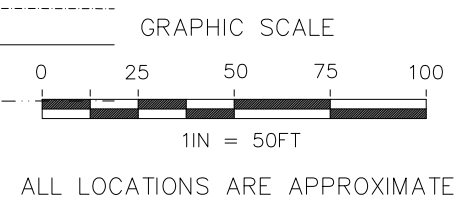
Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands Environmental Consultants, Inc.

JOB NO. 19-7034

DATE July 8, 2020

FIGURE 2



Notes: Groundwater samples collected on 6/29/20.
Isopleth Interval = 1,000 ug/l
BDL = Below Detection Limits
Isopleths Computer Generated using Surfer by Golden
Graphics and Modified by MECI Personnel.
NL= Not Located
"Deep" wells not used in Isopleth Creation
August 2018 data used for abandoned and not located
wells to create isopleth.

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Estimated Benzene Concentration Isopleth (ug/l)

GROUNDWATER COC CONCENTRATION DATA								
Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB
	(ug/l) RBSL 5	(ug/l) RBSL 1,000	(ug/l) RBSL 700	(ug/l) RBSL 10,000	(ug/l) RBSL 25	(ug/l) RBSL 40	(ug/l) RBSL 5	(ug/l) RBSL 0.05
03538-IGWA	NL	NL	NL	NL	NL	NL	NL	NL
03538-IGWAR	115	422	68.5	707	37.7	<20.0	<20.0	0.03
03538-MW01	90.8	308	10.6J	313	40.1	<12.5	<12.5	0.077
03538-MW02	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW03	450	2,560	792	5,310	435	<125	<125	0.21
03538-MW04	1,070	4,030	744	4,200	304	<200	<200	1.6
03538-MW05	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW07	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW08	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW09	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10R	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10RR	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW14	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW15	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW16	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW17	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-MW19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03535-MW20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-MW21	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22D	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW24	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538MW25	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW26	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-MW28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-TW01	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-TW02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.068
03538-WSW01	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	<0.50	<0.020
03538-DUP(MW-1)	80.2	281	8.7J	286	32.3	<10.0	<10.0	<0.020
03538-WSWDUP(WSW-1)	<0.50	<0.50	<0.50	<0.50	<0.50	4.20	<0.50	<0.020
FIELD BLANK	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.020
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.019
TRIP BLANK	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

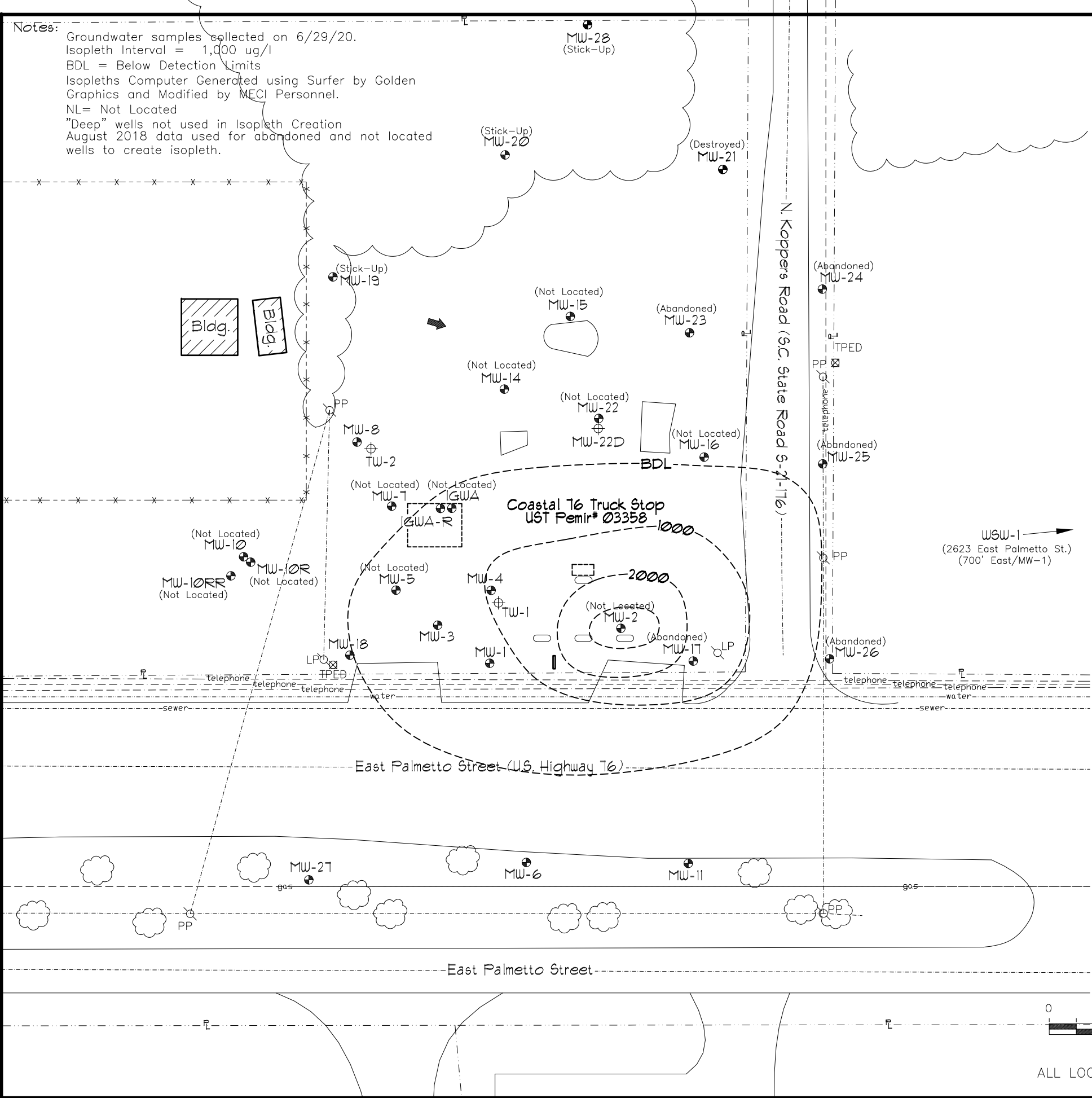
Groundwater CoC Site Map (Benzene Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538



JOB NO. 19-7034
DATE July 8, 2020
FIGURE

4



Notes: Groundwater samples collected on 6/29/2020.
Isopleth Interval = 125 ug/l
BDL = Below Detection Limits
Isopleths Computer Generated using Surfer by Golden
Graphics and Modified by MECI Personnel.
NL= Not Located
"Deep" wells not used in Isopleth Creation
August 2018 data used for abandoned and not located
wells to create isopleth.

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Estimated Naphthalene Concentration Isopleth (ug/l)

GROUNDWATER COC CONCENTRATION DATA								
Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05
03538-IGWA	NL	NL	NL	NL	NL	NL	NL	NL
03538-IGWAR	115	422	68.5	707	37.7	<20.0	<20.0	0.03
03538-MW01	90.8	308	10.6J	313	40.1	<12.5	<12.5	0.077
03538-MW02	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW03	450	2,560	792	5,310	435	<125	<125	0.21
03538-MW04	1,070	4,030	744	4,200	304	<200	<200	1.6
03538-MW05	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW07	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW08	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW09	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10R	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10RR	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW14	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW15	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW16	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW17	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-MW19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03535-MW20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-MW21	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22D	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-MW23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW24	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538MW25	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW26	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-MW28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019
03538-TW01	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
03538-TW02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.068
03538-WSW01	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	<0.50	<0.020
03538-DUP(MW-1)	80.2	281	8.7J	286	32.3	<10.0	<10.0	<0.020
03538-WSWDUP(WSW-1)	<0.50	<0.50	<0.50	<0.50	<0.50	4.20	<0.50	<0.020
FIELD BLANK	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.019
TRIP BLANK	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NT
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Groundwater CoC Site Map (Naphthalene Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538



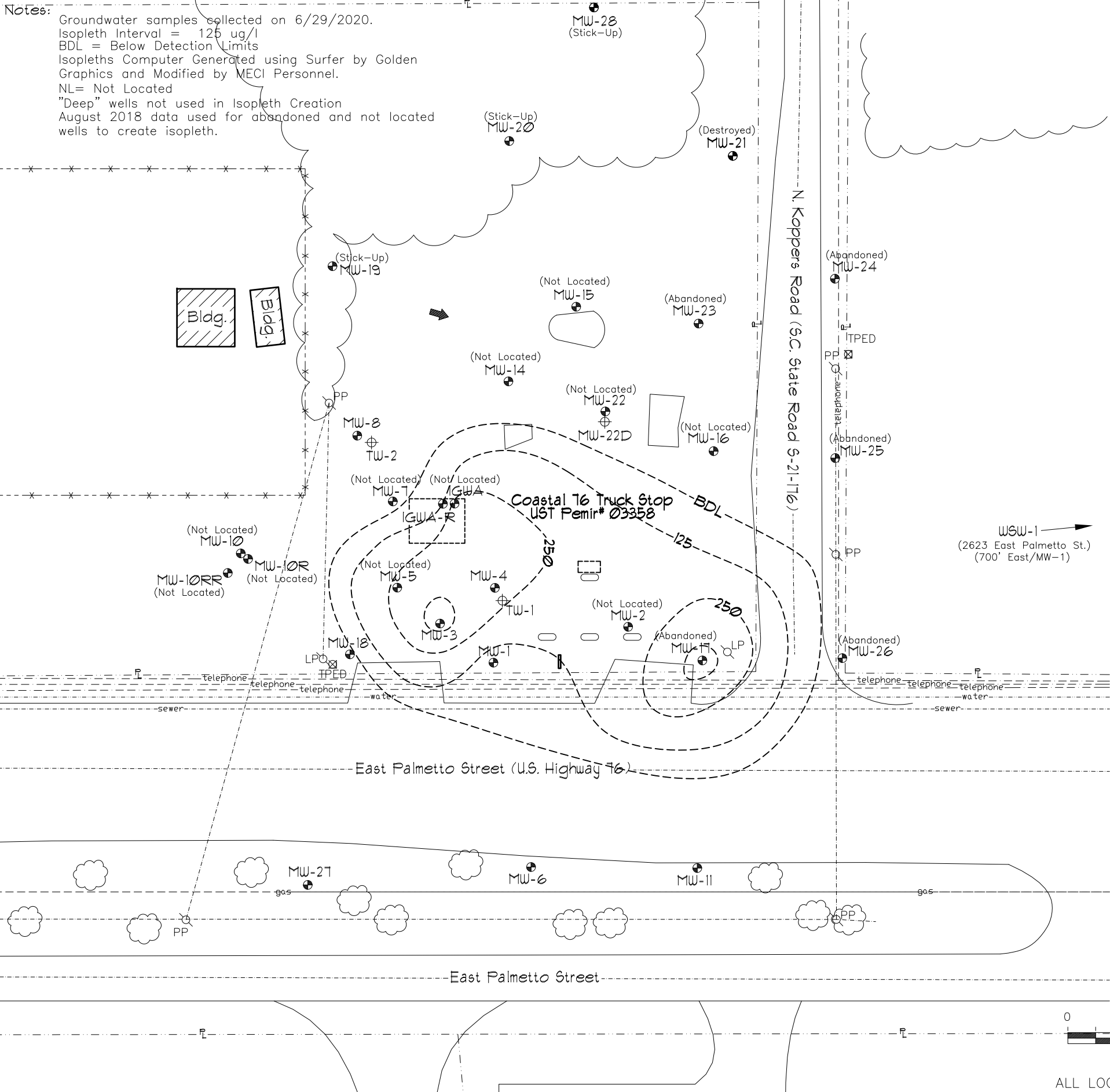
Midlands
Environmental
Consultants, Inc.

JOB NO. 19-7034

DATE July 8, 2020

FIGURE

4A



Notes: Groundwater samples collected on 6/29/20.
Isopleth Interval = 7 ug/l
BDL = Below Detection Limits
Isopleths Computer Generated using Surfer by Golden
Graphics and Modified by MECI Personnel.
NL= Not Located
"Deep" wells not used in Isopleth Creation
August 2018 data used for abandoned and not located
wells to create isopleth.

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Estimated EDB Concentration Isopleth (ug/l)

GROUNDWATER COC CONCENTRATION DATA									
Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Napthalene	MTBE	1,2DCA	EDB	
	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL	RBSL
03538-IGWA	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-IGWAR	115	422	68.5	707	37.7	<20.0	<20.0	0.03	
03538-MW01	90.8	308	10.6J	313	40.1	<12.5	<12.5	0.077	
03538-MW02	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW03	450	2,560	792	5,310	435	<125	<125	0.21	
03538-MW04	1,070	4,030	744	4,200	304	<200	<200	1.6	
03538-MW05	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
03538-MW07	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
03538-MW08	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
03538-MW09	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10R	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10RR	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW11	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
03538-MW14	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW15	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW16	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW17	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
03538-MW18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
03538-MW19	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
03535-MW20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
03538-MW21	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22D	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
03538-MW23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
03538-MW24	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
03538MW25	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD	
03538-MW26	NL	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW27	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
03538-MW28	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	
03538-TW01	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
03538-TW02	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.068	
03538-WSW01	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	<0.50	<0.020	
03538-DUP(MW-1)	80.2	281	8.7J	286	32.3	<10.0	<10.0	<0.020	
03538-WSWDUP(WSW-1)	<0.50	<0.50	<0.50	<0.50	<0.50	4.20	<0.50	<0.020	
FIELD BLANK	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.019	
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	
TRIP BLANK	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	
	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NT	

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

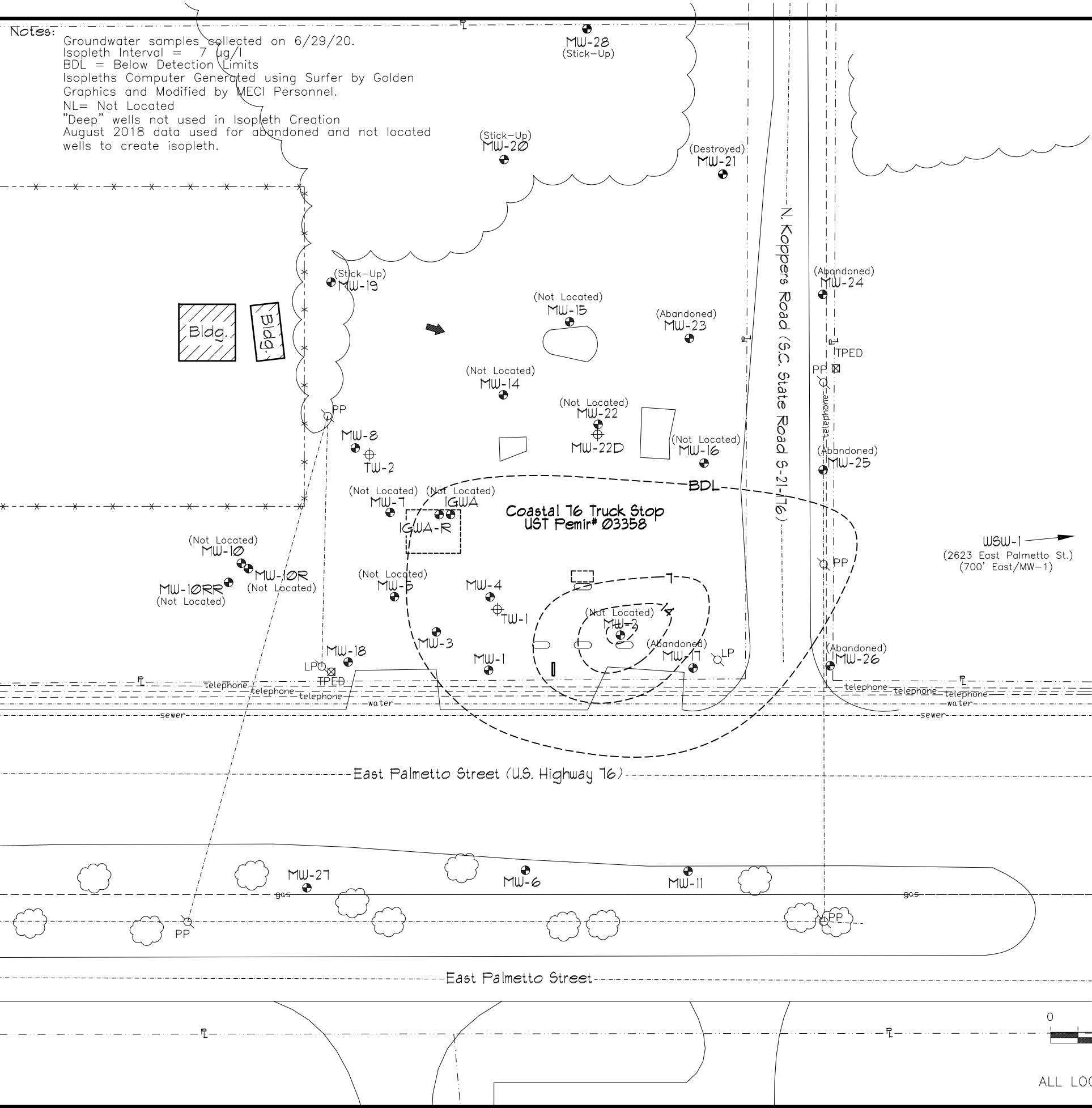
Groundwater CoC Site Map (EDB Isopleth)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538



JOB NO. 19-7034
DATE July 8, 2020
FIGURE

4B



GRAPHIC SCALE
0 25 50 75 100
1IN = 50FT
ALL LOCATIONS ARE APPROXIMATE

Notes: Groundwater samples collected on 6/29/20.
NL= Not Located
DIPE = Diisopropyl Ether
ETBE = Ethyl tert-butyl Ether
TAA = tert-Amyl Alcohol
TAME = tert-Amy Methyl Ether
TBA = tert-Butyl Alcohol
TBF = tert-Butyl Formate

Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks

GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)

Sample ID	TAA	TAME	ETBA	TBA	TBF	DIPE	Ethanol	ETBE
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47
03538-IGWA	NL	NL	NL	NL	NL	NL	NL	NL
03538-IGWAR	<400	<40.0	<400	<400	<200	<20.0	<800	<40.0
03538-MW01	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
03538-MW02	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW03	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
03538-MW04	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
03538-MW05	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW06	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW07	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW08	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW09	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10R	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW10RR	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW11	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW14	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW15	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW16	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW17	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW18	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW19	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03535-MW20	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW21	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW22D	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW23	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW24	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538MW25	ABD	ABD	ABD	ABD	ABD	ABD	ABD	ABD
03538-MW26	NL	NL	NL	NL	NL	NL	NL	NL
03538-MW27	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-MW28	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-TW01	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-TW02	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
03538-WSW01	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
03538-DUP(MW-1)	<200	<20.0	<200	<200	<100	<10.0	<400	<20.0
03538-WSWDUP(WSW-1)	<100	<10.0	<100	<100	<50.0	<1.0	<200	<10.0
FIELD BLANK	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
TRIP BLANK	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Groundwater CoC Site Map (Oxygenates)

Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538



Midlands
Environmental
Consultants, Inc.

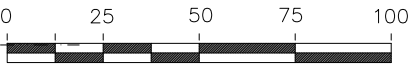
JOB NO. 19-7034

DATE July 8, 2020

FIGURE

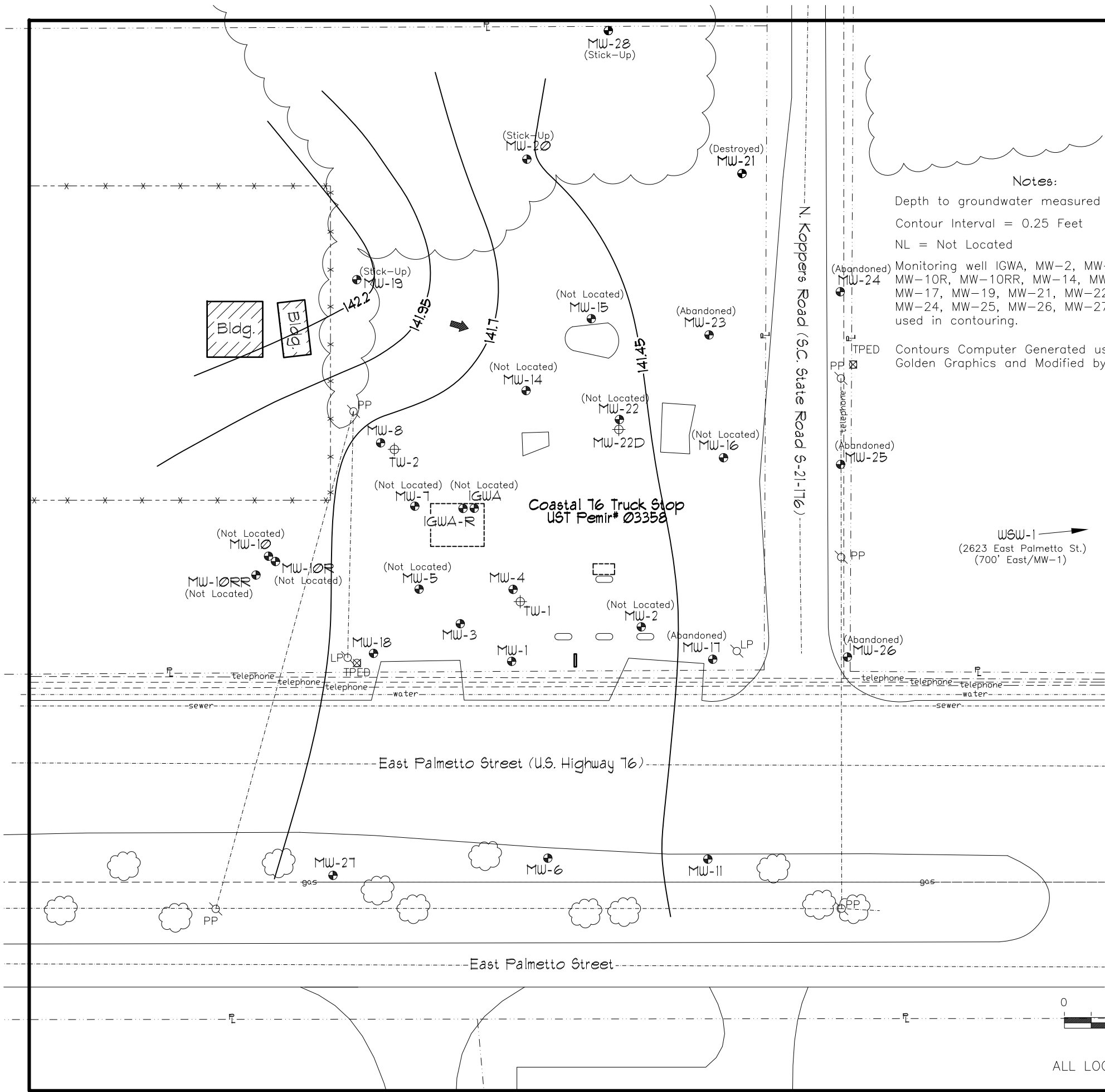
4C

GRAPHIC SCALE



1IN = 50FT

ALL LOCATIONS ARE APPROXIMATE



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Groundwater Elevation Contour (feet)

Notes:

Depth to groundwater measured on 6/29/2020
Contour Interval = 0.25 Feet
NL = Not Located
Monitoring well IGWA, MW-2, MW-3 MW-5, MW-10, MW-10R, MW-10RR, MW-14, MW-15, MW-16, MW-17, MW-19, MW-21, MW-22, MW-22D, MW-23, MW-24, MW-25, MW-26, MW-27, TW-1 and TW-2 used in contouring.
Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

POTENTIOMETRIC DATA				
Well Number	Screened Interval	Depth to Water (feet)	Well-head Elevation	Groundwater Elevation
03538-IGWA	TD:16.74	NL	145.19	NL
03538-IGWAR	11-21	3.62	145.14	141.52
03538-MW01	TD:17.80	4.31	145.87	141.56
03538-MW02	TD:18.30	NL	145.19	NL
03538-MW03	TD:18.20	3.88	145.51	141.63
03538-MW04	TD:18.35	3.94	145.56	141.62
03538-MW05	8.29-18.29	NL	145.11	NL
03538-MW06	8.29-18.29	4.46	146.04	141.58
03538-MW07	8.38-18.38	3.00	144.61	141.61
03538-MW08	8.29-18.29	2.18	143.78	141.6
03538-MW09	8.33-18.33	NL	NA	NL
03538-MW10	TD:18.25	NL	143.84	NL
03538-MW10R	TD:11.61	NL	143.81	NL
03538-MW10RR	7-17	DESTROYED	144.36	DESTROYED
03538-MW11	8.42-18.42	4.28	145.68	141.40
03538-MW14	8.29-18.29	NL	144.36	NL
03538-MW15	10-20	NL	143.54	NL
03538-MW16	11-21	NL	144.33	NL
03538-MW17	11-21	ABANDONED	145.08	ABANDONED
03538-MW18	11-21	4.11	145.79	141.68
03538-MW19	2.12-12.12	6.11	148.42	142.31
03535-MW20	4.50-14.50	7.00	148.46	141.46
03538-MW21	2.75-12.75	NL	143.25	NL
03538-MW22	5.09-15.09	NL	145.03	NL
03538-MW22D	39.23-44.23	6.80	144.89	138.09
03538-MW23	1.61-11.61	ABANDONED	143.63	ABANDONED
03538-MW24	8.42-18.42	ABANDONED	143.79	ABANDONED
03538MW25	8.29-18.29	ABANDONED	144.04	ABANDONED
03538-MW26	10-20	ABANDONED	144.96	ABANDONED
03538-MW27	11-21	3.10	144.77	141.67
03538-MW28	11-21	5.80	147.16	141.36
03538-TW01	31-36	4.22	145.77	141.55
03538-TW02	31-36	2.21	143.98	141.77

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Potentiometric Data Site Map
(Groundwater Contour)

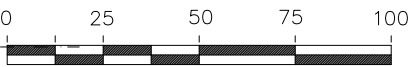
Coastal Mart 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538



JOB NO. 19-7034
DATE July 8, 2020
FIGURE

5

GRAPHIC SCALE



1IN = 50FT

ALL LOCATIONS ARE APPROXIMATE

APPENDIX A:

SITE SURVEY
(Not Applicable)

APPENDIX B:

SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS

Monitoring Well Purge And Sampling Data

Field Personnel: CP, JP, KS, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for :
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
IGWA	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
IGWA-R	Initial	14:00	5.72	167.1	24.5	2.01	67.19								
	1st	14:03	5.67	151.9	24.3	1.96	90.25								
	2nd	14:06	5.66	144.3	24.2	1.92	129.0								
	3rd	14:09	5.63	143.7	24.1	1.86	151.3								
	4th	14:12	5.62	140.1	24.0	1.84	110.0								
	5th	14:15	5.60	135.9	23.9	1.83	76.11								
MW-1	Initial	11:20	6.05	110.1	24.1	2.14	60.21								
	1st	11:22	6.21	101.9	24.0	2.17	86.94								
	2nd	11:24	6.18	96.5	23.9	2.09	115.3								
	3rd	11:26	6.14	94.1	23.8	2.06	174.2								
	4th	11:28	6.13	92.9	23.7	2.01	101.0								
	5th	11:30	6.12	87.4	23.6	1.96	69.01								
MW-2	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Monitoring Well Purge And Sampling Data

Field Personnel: CP, JP, KJ, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	

MW-3	Initial	11:00	6.15	107.4	23.4	3.04	78.01	3.88	TD: 18.20	14.32	2.33	11.75	Odor
	1st	11:03	6.13	101.3	23.2	2.95	94.35						
	2nd	11:06	6.09	96.4	23.1	2.91	115.0						
	3rd	11:09	6.04	92.9	23.0	2.84	154.2						
	4th	11:12	6.01	88.4	22.9	2.81	90.11						
	5th	11:15	5.97	85.9	22.7	2.78	81.04						
	Sampling												

MW-4	Initial	10:40	6.64	135.4	24.2	2.01	59.04	3.94	TD: 18.35	14.41	2.35	11.75	No Odor
	1st	10:43	6.59	131.2	24.0	1.96	75.11						
	2nd	10:46	6.54	126.9	23.9	1.94	96.01						
	3rd	10:49	6.51	121.3	23.8	1.90	110.7						
	4th	10:52	6.48	119.1	23.6	1.87	100.2						
	5th	10:55	6.45	117.5	23.5	1.84	81.02						
	Sampling												

MW-5	Initial								8.29	18.29			
	1st												
	2nd												
	3rd												
	4th												
	5th												
	Sampling												

MW-6	Initial	10:30	6.51	135.4	23.5	2.54	70.14	4.46	8.29	1303	2.25	11.50	No Odor
	1st	10:33	6.43	130.1	22.9	2.49	96.02						
	2nd	10:36	6.38	125.4	22.8	2.41	115.9						
	3rd	10:39	6.34	119.2	22.6	2.38	151.0						
	4th	10:42	6.30	115.1	22.5	2.31	107.4						
	5th	10:45	6.26	107.4	22.4	2.25	81.14						
	Sampling												

*= (Depth of Well) - (Depth to Water = Water Height
One Well Volume =x.047 for 1" wells * x.163 for 2" wells, or * x.66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, or * x.163 for 2" wells, or * x.66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: CP, JP, KJ, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	Final H ₂ O			**calc.	actual	
MW-7	Initial	14:00	6.09	150.1	23.5	7.30	67.19								
	1st	14:03	6.06	142.9	23.4	2.23	48.32								
	2nd	14:06	6.05	134.0	23.2	2.17	136.2								
	3rd	14:09	6.04	130.2	23.0	2.15	175.3								
	4th	14:12	6.01	126.9	22.9	2.14	120.1								
	5th	14:15	5.97	120.5	22.8	2.12	80.01								
	Sampling														
MW-8	Initial	10:15	5.92	112.4	22.9	1.34	71.01								
	1st	10:18	5.85	107.9	22.7	1.31	96.51								
	2nd	10:21	5.81	103.2	22.6	1.30	115.1								
	3rd	10:24	5.78	101.0	22.5	1.23	162.0								
	4th	10:27	5.74	96.2	22.4	1.20	131.1								
	5th	10:30	5.71	91.4	22.3	1.18	87.01								
	Sampling														
MW-9	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-10	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, x .163 for 2" wells, or x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: CP, JP, KS, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	

MW-10R	Initial										TD: 11.61				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

MW-10RR	Initial										7.00 17.00				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

MW-11	Initial	10:15	5.71	115.1	25.6	2.15	71.04				4.28	8.42 - 18.42	14.4	2.30	11.75	No Odor
	1st	10:17	5.67	109.3	25.0	2.06	97.76									
	2nd	10:19	5.62	104.9	24.8	2.04	115.9									
	3rd	10:21	5.57	101.0	24.7	2.01	157.2									
	4th	10:23	5.54	96.7	24.6	1.94	139.7									
	5th	10:25	5.51	94.1	24.4	1.95	90.46									
	Sampling															

MW-14	Initial										8.29 18.29				
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height

One Well Volume =x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, or x.163 for 2" wells, or x.66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: CP, SP, KS, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-15	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
MW-16	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
MW-17	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
MW-18	Initial	11:40	6.01	120.1	24.3	2.54	67.44								
	1st	11:43	5.95	117.4	24.1	2.46	40.30								
	2nd	11:46	5.91	114.9	24.0	2.38	136.2								
	3rd	11:49	5.87	107.6	23.8	2.35	174.3								
	4th	11:52	5.84	105.1	23.5	2.32	145.9								
	5th	11:55	5.81	104.2	23.1	2.27	102.1								
MW-18	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
MW-18	Initial														
	1st														
	2nd														
	3rd														
	4th														
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MW-18	Initial														
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MW-18	Initial														
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	5th														
MW-18	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
MW-18	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
MW-18	Initial														
	1st														
	2nd														
	3rd														

Monitoring Well Purge And Sampling Data

Field Personnel: CP, SP, KS, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(I)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-19	Initial	10:00	6.42	142.2	24.2	6.71	67.01								
	1st	10:02	6.34	138.6	23.9	6.62	101.2								
	2nd	10:04	6.29	131.9	23.7	6.54	143.9								
	3rd	10:06	6.24	126.1	23.6	6.47	196.2								
	4th	10:08	6.18	121.8	23.5	6.45	138.2								
	5th	10:10	6.14	118.3	23.4	6.41	109.4								
	Sampling														
MW-20	Initial	10:00	6.25	50.2	24.0	3.02	60.25								
	1st	10:02	6.21	47.8	23.7	2.91	90.41								
	2nd	10:04	6.18	45.1	23.6	2.84	125.9								
	3rd	10:06	6.15	42.9	23.4	2.79	159.0								
	4th	10:08	6.12	40.1	23.3	2.76	115.4								
	5th	10:10	6.08	39.0	23.2	2.73	96.02								
	Sampling														
MW-21	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-22	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells * x.163 for 2" wells, or * x.66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: CP, SP, KS, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
MW-22	Initial	14:00	5.31	107.3	23.5	1.21	67.02								
	1st	14:06	5.28	98.2	23.3	1.19	96.37								
	2nd	14:12	5.26	93.9	23.2	1.17	111.2								
	3rd	14:18	5.25	90.1	23.0	1.14	140.1								
	4th	14:24	5.22	87.3	22.9	1.13	100.2								
	5th	14:30	5.19	83.5	22.8	1.10	72.01								
	Sampling														
MW-23	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-24	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-25	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, x .163 for 2" wells, or x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: CP, JP, KS, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	initial H ₂ O	final H ₂ O			**calc.	actual	
MW-26	Initial										10 20				
	1st														
	2nd														
	3rd														
	4th														
	5th														
MW-27	Initial										11 21	17.90			
	1st	10:35	6.15	71.2	22.9	3.01	75.19								
	2nd	10:38	6.11	68.3	22.8	2.94	98.02								
	3rd	10:41	6.09	64.9	22.7	2.90	115.6								
	4th	10:44	6.04	60.7	22.6	2.86	163.0								
	5th	10:47	6.01	59.4	22.5	2.84	110.3								
MW-28	Initial										11 21	18.88			
	1st	10:50	5.99	57.1	22.4	2.83	79.42								
	2nd	10:53	5.81	46.3	23.4	2.31	67.14								
	3rd	10:56	5.79	44.2	23.3	2.25	95.39								
	4th	10:59	5.75	40.9	23.2	2.17	118.3								
	5th	11:02	5.71	37.7	23.1	2.10	142.4								
TW-1	Initial										31 36	31.78			
	1st	11:05	5.62	99.4	21.9	1.96	42.02								
	2nd	11:10	5.49	96.1	21.8	1.84	60.34								
	3rd	11:15	5.46	94.9	21.7	1.80	96.10								
	4th	11:20	5.43	90.3	21.6	1.76	115.1								
	5th	11:25	5.40	86.7	21.5	1.75	132.5								
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, or * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PW/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: CP, JP, KJ, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No
Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
TW-2	Initial	10:20	6.19	123.4	24.0	1.24	42.01								
	1st	10:26	6.13	120.1	23.9	1.20	60.71								
	2nd	10:32	6.08	116.7	23.8	1.20	102.1								
	3rd	10:38	6.04	110.9	23.6	1.23	139.2								
	4th	10:44	6.01	107.3	23.5	1.20	61.34								
	5th	10:50	5.97	106.1	23.4	1.19	50.96								
	Sampling														
Dup	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
Blanks	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, x.163 for 2" wells, or x.66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Monitoring Well Purge And Sampling Data

Field Personnel: CP, SP, KS, RG
Sampling Date(s): 6/29/20
Sampling Case#: 3

Job Name: Coastal 76
Job Number: 19-7034

Calibration Data for:
Calibration Successful? Yes or No (Please Circle)
pH: Yes No
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O	final H ₂ O			**calc.	actual	
WSWs	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
WSW Dup	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
WSW Blanks	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

*= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

August 23, 2019

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on August 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
James Coolman, MECI
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078

Louisiana/NELAP Certification # LA170028

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92441825001	WSW-1	Water	08/14/19 11:45	08/16/19 15:53
92441825002	WSW-FB	Water	08/14/19 11:49	08/16/19 15:53
92441825003	WSW-DUP	Water	08/14/19 11:45	08/16/19 15:53
92441825004	WSW-TB	Water	08/14/19 11:49	08/16/19 15:53

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SAMPLE ANALYTE COUNT

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92441825001	WSW-1	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C
92441825002	WSW-FB	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C
92441825003	WSW-DUP	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C
92441825004	WSW-TB	EPA 524.2	SAS	10	PASI-C
		EPA 8260B	SAS	11	PASI-C

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Sample: WSW-1		Lab ID: 92441825001		Collected: 08/14/19 11:45		Received: 08/16/19 15:53		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	0.092	1		08/22/19 19:36	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/22/19 19:36	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/22/19 19:36	100-41-4	
Methyl-tert-butyl ether	1.1	ug/L	0.50	0.084	1		08/22/19 19:36	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/22/19 19:36	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/22/19 19:36	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/22/19 19:36	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/22/19 19:36	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		08/22/19 19:36	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130		1		08/22/19 19:36	460-00-4	
8260 MSV Low Level SC		Analytical Method: EPA 8260B							
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 08:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 08:28	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 08:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 08:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 08:28	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 08:28	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 08:28	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 08:28	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/22/19 08:28	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		08/22/19 08:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		08/22/19 08:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Sample: WSW-FB		Lab ID: 92441825002		Collected: 08/14/19 11:49		Received: 08/16/19 15:53		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	0.092	1		08/22/19 15:38	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/22/19 15:38	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/22/19 15:38	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.084	1		08/22/19 15:38	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/22/19 15:38	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/22/19 15:38	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/22/19 15:38	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/22/19 15:38	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		08/22/19 15:38	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		08/22/19 15:38	460-00-4	
8260 MSV Low Level SC		Analytical Method: EPA 8260B							
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 05:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 05:11	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 05:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 05:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 05:11	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 05:11	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 05:11	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 05:11	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		08/22/19 05:11	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		08/22/19 05:11	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		08/22/19 05:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Sample: WSW-DUP		Lab ID: 92441825003		Collected: 08/14/19 11:45		Received: 08/16/19 15:53		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	0.092	1		08/23/19 07:28	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/23/19 07:28	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/23/19 07:28	100-41-4	
Methyl-tert-butyl ether	3.0	ug/L	0.50	0.084	1		08/23/19 07:28	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/23/19 07:28	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/23/19 07:28	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/23/19 07:28	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/23/19 07:28	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		08/23/19 07:28	2199-69-1	
4-Bromofluorobenzene (S)	97	%	70-130		1		08/23/19 07:28	460-00-4	
8260 MSV Low Level SC		Analytical Method: EPA 8260B							
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 08:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 08:46	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 08:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 08:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 08:46	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 08:46	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 08:46	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 08:46	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		08/22/19 08:46	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		08/22/19 08:46	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		08/22/19 08:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Sample: WSW-TB		Lab ID: 92441825004		Collected: 08/14/19 11:49		Received: 08/16/19 15:53		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV SC List		Analytical Method: EPA 524.2							
Benzene	ND	ug/L	0.50	0.092	1		08/22/19 13:53	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.17	1		08/22/19 13:53	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.082	1		08/22/19 13:53	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.084	1		08/22/19 13:53	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.062	1		08/22/19 13:53	91-20-3	
Toluene	ND	ug/L	0.50	0.11	1		08/22/19 13:53	108-88-3	
m&p-Xylene	ND	ug/L	0.50	0.15	1		08/22/19 13:53	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.11	1		08/22/19 13:53	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		08/22/19 13:53	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		08/22/19 13:53	460-00-4	
8260 MSV Low Level SC		Analytical Method: EPA 8260B							
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		08/22/19 05:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		08/22/19 05:29	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		08/22/19 05:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		08/22/19 05:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		08/22/19 05:29	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		08/22/19 05:29	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		08/22/19 05:29	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		08/22/19 05:29	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		08/22/19 05:29	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		08/22/19 05:29	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		08/22/19 05:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

QC Batch: 493809 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Associated Lab Samples: 92441825001, 92441825002, 92441825004

METHOD BLANK: 2661421 Matrix: Water

Associated Lab Samples: 92441825001, 92441825002, 92441825004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	0.17	08/22/19 10:48	
Benzene	ug/L	ND	0.50	0.092	08/22/19 10:48	
Ethylbenzene	ug/L	ND	0.50	0.082	08/22/19 10:48	
m&p-Xylene	ug/L	ND	0.50	0.15	08/22/19 10:48	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.084	08/22/19 10:48	
Naphthalene	ug/L	ND	0.50	0.062	08/22/19 10:48	
o-Xylene	ug/L	ND	0.50	0.11	08/22/19 10:48	
Toluene	ug/L	ND	0.50	0.11	08/22/19 10:48	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130		08/22/19 10:48	
4-Bromofluorobenzene (S)	%	96	70-130		08/22/19 10:48	

LABORATORY CONTROL SAMPLE: 2661422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.3	102	70-130	
Benzene	ug/L	20	20.0	100	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	
m&p-Xylene	ug/L	40	40.5	101	70-130	
Methyl-tert-butyl ether	ug/L	20	20.0	100	70-130	
Naphthalene	ug/L	20	17.4	87	70-130	
o-Xylene	ug/L	20	20.8	104	70-130	
Toluene	ug/L	20	20.1	101	70-130	
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

QC Batch:	493957	Analysis Method:	EPA 524.2
QC Batch Method:	EPA 524.2	Analysis Description:	524.2 MSV
Associated Lab Samples:	92441825003		

METHOD BLANK: 2662270 Matrix: Water
Associated Lab Samples: 92441825003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	0.17	08/22/19 22:40	
Benzene	ug/L	ND	0.50	0.092	08/22/19 22:40	
Ethylbenzene	ug/L	ND	0.50	0.082	08/22/19 22:40	
m&p-Xylene	ug/L	ND	0.50	0.15	08/22/19 22:40	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.084	08/22/19 22:40	
Naphthalene	ug/L	ND	0.50	0.062	08/22/19 22:40	
o-Xylene	ug/L	ND	0.50	0.11	08/22/19 22:40	
Toluene	ug/L	ND	0.50	0.11	08/22/19 22:40	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130		08/22/19 22:40	
4-Bromofluorobenzene (S)	%	95	70-130		08/22/19 22:40	

LABORATORY CONTROL SAMPLE: 2662271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	22.8	114	70-130	
Benzene	ug/L	20	24.0	120	70-130	
Ethylbenzene	ug/L	20	22.4	112	70-130	
m&p-Xylene	ug/L	40	44.7	112	70-130	
Methyl-tert-butyl ether	ug/L	20	22.8	114	70-130	
Naphthalene	ug/L	20	19.1	95	70-130	
o-Xylene	ug/L	20	23.0	115	70-130	
Toluene	ug/L	20	21.9	110	70-130	
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

QC Batch: 493664 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV Low Level SC
Associated Lab Samples: 92441825001, 92441825002, 92441825003, 92441825004

METHOD BLANK: 2660538 Matrix: Water
Associated Lab Samples: 92441825001, 92441825002, 92441825003, 92441825004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	62.0	08/22/19 04:35	
Diisopropyl ether	ug/L	ND	1.0	0.22	08/22/19 04:35	
Ethanol	ug/L	ND	200	98.8	08/22/19 04:35	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.7	08/22/19 04:35	
tert-Amyl Alcohol	ug/L	ND	100	53.9	08/22/19 04:35	
tert-Amylmethyl ether	ug/L	ND	10.0	3.5	08/22/19 04:35	
tert-Butyl Alcohol	ug/L	ND	100	27.3	08/22/19 04:35	
tert-Butyl Formate	ug/L	ND	50.0	24.7	08/22/19 04:35	
1,2-Dichloroethane-d4 (S)	%	98	70-130		08/22/19 04:35	
4-Bromofluorobenzene (S)	%	99	70-130		08/22/19 04:35	
Toluene-d8 (S)	%	101	70-130		08/22/19 04:35	

LABORATORY CONTROL SAMPLE: 2660539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1130	113	70-130	
Diisopropyl ether	ug/L	50	51.0	102	70-130	
Ethanol	ug/L	2000	2150	107	70-130	
Ethyl-tert-butyl ether	ug/L	100	98.9	99	70-130	
tert-Amyl Alcohol	ug/L	1000	1050	105	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	553	111	70-130	
tert-Butyl Formate	ug/L	400	430	108	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 2660541

Parameter	Units	92441833008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	400	531	133	70-130	
Diisopropyl ether	ug/L	ND	20	20.1	100	70-130	
Ethanol	ug/L	ND	800	934	117	70-130	
Ethyl-tert-butyl ether	ug/L	ND	40	36.4	91	70-130	
tert-Amyl Alcohol	ug/L	ND	400	483	121	70-130	
tert-Amylmethyl ether	ug/L	ND	40	42.0	105	70-130	
tert-Butyl Alcohol	ug/L	ND	200	273	137	70-130	
tert-Butyl Formate	ug/L	ND	160	80.5	50	70-130	P5

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QUALITY CONTROL DATA

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

MATRIX SPIKE SAMPLE:		2660541					
Parameter	Units	92441833008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%				92	70-130	
4-Bromofluorobenzene (S)	%				103	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 2660540

Parameter	Units	92441833007 Result	Dup Result	RPD	Max RPD	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	96	98			
4-Bromofluorobenzene (S)	%	97	103			
Toluene-d8 (S)	%	99	101			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Coastal 76 Truck Stop 03538/19
Pace Project No.: 92441825

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.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

P5 The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coastal 76 Truck Stop 03538/19

Pace Project No.: 92441825

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92441825001	WSW-1	EPA 524.2	493809		
92441825002	WSW-FB	EPA 524.2	493809		
92441825003	WSW-DUP	EPA 524.2	493957		
92441825004	WSW-TB	EPA 524.2	493809		
92441825001	WSW-1	EPA 8260B	493664		
92441825002	WSW-FB	EPA 8260B	493664		
92441825003	WSW-DUP	EPA 8260B	493664		
92441825004	WSW-TB	EPA 8260B	493664		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company: MECT

Billing Information:

Address: 231 Dooley Rd, Lexington, SC 29078

Report To: B. Shane

Email To: jlc@pace.net

Copy To:

Site Collection Info/Address: 2513 E. Delmar St.

Customer Project Name/Number: Coastal 76 Track Stop

State: SC / County/City: Florence

Phone: 803-703-7034

Time Zone Collected: [] PT [] MT [] CT [] ET

Collected By (print): Kyle Jacobs

Compliance Monitoring? [] Yes [] No

Collected By (signature): Kyle Jacobs

DW PWS ID #: [] Yes [] No

Sample Disposal: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day

Field Filtered (if applicable): [] Yes [] No

Archive: [] Hold:

Analysis: [] Yes [] No

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID

Matrix *

Comp / Grab

Collected (or Composite Start) Date Time

Composite End Date Time

Res Cl

of Cns

Lab Profile/Line:

Lab Sample Receipt Checklist:

Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

Lab Tracking #:

2351137

Lab Project Manager:

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Relinquished by/Company: (Signature)

Date/Time: 8/16/19

Received by/Company: (Signature)

Date/Time: 8/16/19

Received by/Company: (Signature)

MTL LAB USE ONLY

Table #:

Accum: Prelogin: PM: PB:

Non Conformance(s): YES / NO Page: 1 of 1

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MTL LAB USE ONLY

Table #:

Accum: Prelogin: PM: PB:

Non Conformance(s): YES / NO Page: 1 of 1

LAB USE ONLY - ATT

MO#: 92441825

ALL S 92441825



Container Preservative type

Lab Project Manager:

*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, LHRg

****Bottom half of box is to list number of bottle**

MO#: 92441825

Project #

PM: AMB

CLIENT: 92-MIDLAND

Due Date: 08/27/19

[illegible]

pH Adjustment Log for Preserved Samples

[illegible]

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

July 10, 2020

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: Coastal 76 19-7034
Pace Project No.: 92484607

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on July 02, 2020. 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,



Sara Coble for
Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

Louisiana/NELAP Certification # LA170028

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92484607001	IGWA-R	Water	06/29/20 14:15	07/02/20 08:15
92484607002	MW-1	Water	06/29/20 11:30	07/02/20 08:15
92484607003	MW-3	Water	06/29/20 11:15	07/02/20 08:15
92484607004	MW-4	Water	06/29/20 10:55	07/02/20 08:15
92484607005	MW-6	Water	06/29/20 10:45	07/02/20 08:15
92484607006	MW-7	Water	06/29/20 14:15	07/02/20 08:15
92484607007	MW-8	Water	06/29/20 10:30	07/02/20 08:15
92484607008	MW-11	Water	06/29/20 10:25	07/02/20 08:15
92484607009	MW-18	Water	06/29/20 11:55	07/02/20 08:15
92484607010	MW-19	Water	06/29/20 10:10	07/02/20 08:15
92484607011	MW-20	Water	06/29/20 10:10	07/02/20 08:15
92484607012	MW-22D	Water	06/29/20 14:30	07/02/20 08:15
92484607013	MW-27	Water	06/29/20 10:50	07/02/20 08:15
92484607014	MW-28	Water	06/29/20 10:15	07/02/20 08:15
92484607015	TW-1	Water	06/29/20 11:30	07/02/20 08:15
92484607016	TW-2	Water	06/29/20 10:30	07/02/20 08:15
92484607017	DUP-1	Water	06/29/20 11:30	07/02/20 08:15
92484607018	FB	Water	06/29/20 12:15	07/02/20 08:15
92484607019	TB	Water	06/29/20 08:00	07/02/20 08:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92484607001	IGWA-R	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607002	MW-1	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607003	MW-3	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607004	MW-4	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607005	MW-6	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607006	MW-7	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607007	MW-8	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607008	MW-11	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607009	MW-18	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607010	MW-19	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607011	MW-20	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607012	MW-22D	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607013	MW-27	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607014	MW-28	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607015	TW-1	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607016	TW-2	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607017	DUP-1	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92484607018	FB	EPA 8011	JMS1	2	PASI-C
		EPA 8260D	GAW	20	PASI-C
92484607019	TB	EPA 8260D	GAW	20	PASI-C

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SAMPLE ANALYTE COUNT

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
PASI-C = Pace Analytical Services - Charlotte					

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: IGWA-R		Lab ID: 92484607001		Collected: 06/29/20 14:15		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.030	ug/L	0.020	0.011	1	07/08/20 08:17	07/08/20 21:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	84	%	60-140		1	07/08/20 08:17	07/08/20 21:22	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	400	262	4		07/08/20 20:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	40.0	12.2	4		07/08/20 20:05	994-05-8	
Benzene	115	ug/L	20.0	7.0	4		07/08/20 20:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	400	216	4		07/08/20 20:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	400	364	4		07/08/20 20:05	75-65-0	
tert-Butyl Formate	ND	ug/L	200	96.4	4		07/08/20 20:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	8.2	4		07/08/20 20:05	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	14.0	4		07/08/20 20:05	108-20-3	
Ethanol	ND	ug/L	800	576	4		07/08/20 20:05	64-17-5	
Ethylbenzene	68.5	ug/L	20.0	7.4	4		07/08/20 20:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	40.0	33.8	4		07/08/20 20:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	20.0	12.4	4		07/08/20 20:05	1634-04-4	
Naphthalene	37.7	ug/L	20.0	8.4	4		07/08/20 20:05	91-20-3	
Toluene	422	ug/L	20.0	8.0	4		07/08/20 20:05	108-88-3	
Xylene (Total)	707	ug/L	20.0	20.0	4		07/08/20 20:05	1330-20-7	
m&p-Xylene	416	ug/L	40.0	16.4	4		07/08/20 20:05	179601-23-1	
o-Xylene	291	ug/L	20.0	8.2	4		07/08/20 20:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		4		07/08/20 20:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		4		07/08/20 20:05	17060-07-0	
Toluene-d8 (S)	99	%	70-130		4		07/08/20 20:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-1		Lab ID: 92484607002		Collected: 06/29/20 11:30		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.077	ug/L	0.020	0.011	1	07/08/20 08:17	07/08/20 21:33	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	07/08/20 08:17	07/08/20 21:33	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	250	164	2.5		07/08/20 18:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	25.0	7.6	2.5		07/08/20 18:53	994-05-8	
Benzene	90.8	ug/L	12.5	4.4	2.5		07/08/20 18:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	250	135	2.5		07/08/20 18:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	250	228	2.5		07/08/20 18:53	75-65-0	
tert-Butyl Formate	ND	ug/L	125	60.2	2.5		07/08/20 18:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	12.5	5.2	2.5		07/08/20 18:53	107-06-2	
Diisopropyl ether	ND	ug/L	12.5	8.7	2.5		07/08/20 18:53	108-20-3	
Ethanol	ND	ug/L	500	360	2.5		07/08/20 18:53	64-17-5	
Ethylbenzene	10.6J	ug/L	12.5	4.6	2.5		07/08/20 18:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	25.0	21.2	2.5		07/08/20 18:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	12.5	7.8	2.5		07/08/20 18:53	1634-04-4	
Naphthalene	40.1	ug/L	12.5	5.2	2.5		07/08/20 18:53	91-20-3	
Toluene	308	ug/L	12.5	5.0	2.5		07/08/20 18:53	108-88-3	
Xylene (Total)	313	ug/L	12.5	12.5	2.5		07/08/20 18:53	1330-20-7	
m&p-Xylene	122	ug/L	25.0	10.3	2.5		07/08/20 18:53	179601-23-1	
o-Xylene	191	ug/L	12.5	5.1	2.5		07/08/20 18:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		2.5		07/08/20 18:53	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		2.5		07/08/20 18:53	17060-07-0	
Toluene-d8 (S)	101	%	70-130		2.5		07/08/20 18:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-3		Lab ID: 92484607003		Collected: 06/29/20 11:15		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.21	ug/L	0.020	0.011	1	07/08/20 08:17	07/08/20 21:45	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	07/08/20 08:17	07/08/20 21:45	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		07/08/20 21:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		07/08/20 21:34	994-05-8	
Benzene	450	ug/L	125	43.5	25		07/08/20 21:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		07/08/20 21:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		07/08/20 21:34	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		07/08/20 21:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		07/08/20 21:34	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		07/08/20 21:34	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		07/08/20 21:34	64-17-5	
Ethylbenzene	792	ug/L	125	46.0	25		07/08/20 21:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		07/08/20 21:34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		07/08/20 21:34	1634-04-4	
Naphthalene	435	ug/L	125	52.2	25		07/08/20 21:34	91-20-3	
Toluene	2560	ug/L	125	50.2	25		07/08/20 21:34	108-88-3	
Xylene (Total)	5310	ug/L	125	125	25		07/08/20 21:34	1330-20-7	
m&p-Xylene	3600	ug/L	250	103	25		07/08/20 21:34	179601-23-1	
o-Xylene	1710	ug/L	125	51.0	25		07/08/20 21:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		07/08/20 21:34	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		25		07/08/20 21:34	17060-07-0	
Toluene-d8 (S)	100	%	70-130		25		07/08/20 21:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-4		Lab ID: 92484607004		Collected: 06/29/20 10:55		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	1.6	ug/L	0.049	0.028	2.5	07/08/20 08:17	07/09/20 11:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		2.5	07/08/20 08:17	07/09/20 11:07	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		07/08/20 21:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		07/08/20 21:16	994-05-8	
Benzene	1070	ug/L	200	69.6	40		07/08/20 21:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		07/08/20 21:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		07/08/20 21:16	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		07/08/20 21:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	82.4	40		07/08/20 21:16	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		07/08/20 21:16	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		07/08/20 21:16	64-17-5	
Ethylbenzene	744	ug/L	200	73.6	40		07/08/20 21:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		07/08/20 21:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		07/08/20 21:16	1634-04-4	
Naphthalene	304	ug/L	200	83.6	40		07/08/20 21:16	91-20-3	
Toluene	4030	ug/L	200	80.4	40		07/08/20 21:16	108-88-3	
Xylene (Total)	4200	ug/L	200	200	40		07/08/20 21:16	1330-20-7	
m&p-Xylene	2680	ug/L	400	164	40		07/08/20 21:16	179601-23-1	
o-Xylene	1520	ug/L	200	81.6	40		07/08/20 21:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		40		07/08/20 21:16	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		40		07/08/20 21:16	17060-07-0	
Toluene-d8 (S)	100	%	70-130		40		07/08/20 21:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-6		Lab ID: 92484607005		Collected: 06/29/20 10:45		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/08/20 22:55	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	07/08/20 08:17	07/08/20 22:55	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 19:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 19:22	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 19:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 19:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 19:22	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 19:22	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 19:22	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 19:22	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 19:22	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 19:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 19:22	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 19:22	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 19:22	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 19:22	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 19:22	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 19:22	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 19:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/07/20 19:22	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		07/07/20 19:22	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 19:22	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-7		Lab ID: 92484607006		Collected: 06/29/20 14:15		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/08/20 23:19	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	07/08/20 08:17	07/08/20 23:19	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 18:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 18:36	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 18:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 18:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 18:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 18:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 18:36	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 18:36	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 18:36	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 18:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 18:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 18:36	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 18:36	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 18:36	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 18:36	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 18:36	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 18:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		07/07/20 18:36	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		07/07/20 18:36	17060-07-0	
Toluene-d8 (S)	107	%	70-130		1		07/07/20 18:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-8		Lab ID: 92484607007		Collected: 06/29/20 10:30		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/08/20 23:54	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	07/08/20 08:17	07/08/20 23:54	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 19:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 19:40	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 19:40	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 19:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 19:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 19:40	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 19:40	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 19:40	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 19:40	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 19:40	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 19:40	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 19:40	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 19:40	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 19:40	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 19:40	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 19:40	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 19:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 19:40	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		07/07/20 19:40	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 19:40	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-11		Lab ID: 92484607008		Collected: 06/29/20 10:25		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/09/20 00:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	07/08/20 08:17	07/09/20 00:06	301-79-56	
8260 MSV		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 20:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 20:16	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 20:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 20:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 20:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 20:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 20:16	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 20:16	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 20:16	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 20:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 20:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 20:16	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 20:16	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 20:16	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 20:16	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 20:16	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 20:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/07/20 20:16	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		07/07/20 20:16	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/07/20 20:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-18		Lab ID: 92484607009		Collected: 06/29/20 11:55		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.011	1	07/08/20 08:17	07/09/20 00:18	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	88	%	60-140		1	07/08/20 08:17	07/09/20 00:18	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 20:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 20:34	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 20:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 20:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 20:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 20:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 20:34	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 20:34	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 20:34	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 20:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 20:34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 20:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 20:34	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 20:34	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 20:34	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 20:34	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 20:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/07/20 20:34	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		07/07/20 20:34	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 20:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-19		Lab ID: 92484607010		Collected: 06/29/20 10:10		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.011	1	07/08/20 08:17	07/09/20 00:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	07/08/20 08:17	07/09/20 00:29	301-79-56	
8260 MSV		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 23:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 23:35	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 23:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 23:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 23:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 23:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 23:35	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 23:35	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 23:35	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 23:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 23:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 23:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 23:35	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 23:35	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 23:35	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 23:35	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 23:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		07/07/20 23:35	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		07/07/20 23:35	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 23:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-20		Lab ID: 92484607011		Collected: 06/29/20 10:10		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.011	1	07/08/20 08:17	07/09/20 00:41	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	07/08/20 08:17	07/09/20 00:41	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 20:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 20:52	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 20:52	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 20:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 20:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 20:52	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 20:52	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 20:52	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 20:52	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 20:52	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 20:52	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 20:52	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 20:52	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 20:52	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 20:52	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 20:52	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 20:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 20:52	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		07/07/20 20:52	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/07/20 20:52	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-22D		Lab ID: 92484607012		Collected: 06/29/20 14:30		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/09/20 00:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	07/08/20 08:17	07/09/20 00:53	301-79-56	
8260 MSV		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 21:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 21:02	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 21:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 21:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 21:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 21:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 21:02	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 21:02	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 21:02	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 21:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 21:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 21:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 21:02	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 21:02	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 21:02	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 21:02	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 21:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		07/07/20 21:02	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		07/07/20 21:02	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		07/07/20 21:02	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-27		Lab ID: 92484607013		Collected: 06/29/20 10:50		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.011	1	07/08/20 08:17	07/09/20 01:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	07/08/20 08:17	07/09/20 01:05	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 21:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 21:10	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 21:10	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 21:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 21:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 21:10	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 21:10	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 21:10	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 21:10	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 21:10	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 21:10	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 21:10	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 21:10	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 21:10	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 21:10	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 21:10	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 21:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 21:10	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		07/07/20 21:10	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 21:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: MW-28		Lab ID: 92484607014		Collected: 06/29/20 10:15		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/09/20 01:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	84	%	60-140		1	07/08/20 08:17	07/09/20 01:16	301-79-56	
8260 MSV		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 21:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 21:28	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 21:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 21:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 21:28	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 21:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 21:28	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 21:28	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 21:28	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 21:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 21:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 21:28	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 21:28	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 21:28	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 21:28	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 21:28	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 21:28	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 21:28	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		07/07/20 21:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 21:28	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: TW-1		Lab ID: 92484607015		Collected: 06/29/20 11:30		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/09/20 01:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	60-140		1	07/08/20 08:17	07/09/20 01:28	301-79-56	
8260 MSV		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 21:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 21:46	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 21:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 21:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 21:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 21:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 21:46	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 21:46	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 21:46	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 21:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 21:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 21:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 21:46	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 21:46	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 21:46	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 21:46	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 21:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 21:46	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		07/07/20 21:46	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/07/20 21:46	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: TW-2		Lab ID: 92484607016		Collected: 06/29/20 10:30		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte							
1,2-Dibromoethane (EDB)	0.068	ug/L	0.020	0.011	1	07/08/20 08:17	07/09/20 01:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	85	%	60-140		1	07/08/20 08:17	07/09/20 01:51	301-79-56	
8260 MSV		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 23:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 23:17	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 23:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 23:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 23:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 23:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 23:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 23:17	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 23:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 23:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 23:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 23:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 23:17	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 23:17	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 23:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 23:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 23:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 23:17	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		07/07/20 23:17	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		07/07/20 23:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: DUP-1		Lab ID: 92484607017		Collected: 06/29/20 11:30		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/09/20 02:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	07/08/20 08:17	07/09/20 02:03	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	200	131	2		07/09/20 12:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.1	2		07/09/20 12:50	994-05-8	
Benzene	80.2	ug/L	10.0	3.5	2		07/09/20 12:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	108	2		07/09/20 12:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	182	2		07/09/20 12:50	75-65-0	
tert-Butyl Formate	ND	ug/L	100	48.2	2		07/09/20 12:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	4.1	2		07/09/20 12:50	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	7.0	2		07/09/20 12:50	108-20-3	
Ethanol	ND	ug/L	400	288	2		07/09/20 12:50	64-17-5	
Ethylbenzene	8.7J	ug/L	10.0	3.7	2		07/09/20 12:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	16.9	2		07/09/20 12:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	10.0	6.2	2		07/09/20 12:50	1634-04-4	
Naphthalene	32.3	ug/L	10.0	4.2	2		07/09/20 12:50	91-20-3	
Toluene	281	ug/L	10.0	4.0	2		07/09/20 12:50	108-88-3	
Xylene (Total)	286	ug/L	10.0	10.0	2		07/09/20 12:50	1330-20-7	
m&p-Xylene	109	ug/L	20.0	8.2	2		07/09/20 12:50	179601-23-1	
o-Xylene	177	ug/L	10.0	4.1	2		07/09/20 12:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		2		07/09/20 12:50	460-00-4	
1,2-Dichloroethane-d4 (S)	87	%	70-130		2		07/09/20 12:50	17060-07-0	
Toluene-d8 (S)	98	%	70-130		2		07/09/20 12:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: FB		Lab ID: 92484607018		Collected: 06/29/20 12:15		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/08/20 08:17	07/09/20 02:15	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	86	%	60-140		1	07/08/20 08:17	07/09/20 02:15	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 19:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 19:03	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 19:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 19:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 19:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 19:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 19:03	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 19:03	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 19:03	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 19:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 19:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 19:03	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 19:03	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 19:03	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 19:03	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 19:03	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 19:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 19:03	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		07/07/20 19:03	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 19:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Sample: TB		Lab ID: 92484607019		Collected: 06/29/20 08:00		Received: 07/02/20 08:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		07/07/20 18:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		07/07/20 18:45	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		07/07/20 18:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		07/07/20 18:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		07/07/20 18:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		07/07/20 18:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		07/07/20 18:45	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		07/07/20 18:45	108-20-3	
Ethanol	ND	ug/L	200	144	1		07/07/20 18:45	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		07/07/20 18:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		07/07/20 18:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		07/07/20 18:45	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		07/07/20 18:45	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		07/07/20 18:45	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		07/07/20 18:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		07/07/20 18:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		07/07/20 18:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		07/07/20 18:45	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		07/07/20 18:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/07/20 18:45	2037-26-5	

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034
Pace Project No.: 92484607

QC Batch:	551439	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte
Associated Lab Samples:	92484607005, 92484607007, 92484607008, 92484607009, 92484607010, 92484607011, 92484607013, 92484607014, 92484607015, 92484607016, 92484607018, 92484607019		

METHOD BLANK: 2931200 Matrix: Water
Associated Lab Samples: 92484607005, 92484607007, 92484607008, 92484607009, 92484607010, 92484607011, 92484607013, 92484607014, 92484607015, 92484607016, 92484607018, 92484607019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	07/07/20 17:05	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	07/07/20 17:05	
Benzene	ug/L	ND	5.0	1.7	07/07/20 17:05	
Diisopropyl ether	ug/L	ND	5.0	3.5	07/07/20 17:05	
Ethanol	ug/L	ND	200	144	07/07/20 17:05	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	07/07/20 17:05	
Ethylbenzene	ug/L	ND	5.0	1.8	07/07/20 17:05	
m&p-Xylene	ug/L	ND	10.0	4.1	07/07/20 17:05	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	07/07/20 17:05	
Naphthalene	ug/L	ND	5.0	2.1	07/07/20 17:05	
o-Xylene	ug/L	ND	5.0	2.0	07/07/20 17:05	
tert-Amyl Alcohol	ug/L	ND	100	65.6	07/07/20 17:05	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	07/07/20 17:05	
tert-Butyl Alcohol	ug/L	ND	100	91.0	07/07/20 17:05	
tert-Butyl Formate	ug/L	ND	50.0	24.1	07/07/20 17:05	
Toluene	ug/L	ND	5.0	2.0	07/07/20 17:05	
Xylene (Total)	ug/L	ND	5.0	5.0	07/07/20 17:05	
1,2-Dichloroethane-d4 (S)	%	99	70-130		07/07/20 17:05	
4-Bromofluorobenzene (S)	%	99	70-130		07/07/20 17:05	
Toluene-d8 (S)	%	100	70-130		07/07/20 17:05	

LABORATORY CONTROL SAMPLE: 2931201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	46.0	92	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	970	97	70-130	
Benzene	ug/L	50	47.3	95	70-130	
Diisopropyl ether	ug/L	50	44.8	90	70-130	
Ethanol	ug/L	2000	1790	89	70-130	
Ethyl-tert-butyl ether	ug/L	100	93.8	94	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
m&p-Xylene	ug/L	100	100	100	70-130	
Methyl-tert-butyl ether	ug/L	50	46.0	92	70-130	
Naphthalene	ug/L	50	48.7	97	70-130	
o-Xylene	ug/L	50	49.3	99	70-130	
tert-Amyl Alcohol	ug/L	1000	935	94	70-130	
tert-Amylmethyl ether	ug/L	100	96.7	97	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: Coastal 76 19-7034

Pace Project No.: 92484607

LABORATORY CONTROL SAMPLE: 2931201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	500	444	89	70-130	
tert-Butyl Formate	ug/L	400	386	96	70-130	
Toluene	ug/L	50	46.5	93	70-130	
Xylene (Total)	ug/L	150	150	100	70-130	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 2931202

Parameter	Units	92484607005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.3	102	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	402	101	39-157	
Benzene	ug/L	ND	20	20.2	101	70-151	
Diisopropyl ether	ug/L	ND	20	19.7	99	63-144	
Ethanol	ug/L	ND	800	969	121	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	39.9	100	66-137	
Ethylbenzene	ug/L	ND	20	21.1	105	66-153	
m&p-Xylene	ug/L	ND	40	42.3	106	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	20.1	100	54-156	
Naphthalene	ug/L	ND	20	19.6	98	61-148	
o-Xylene	ug/L	ND	20	20.6	103	70-148	
tert-Amyl Alcohol	ug/L	ND	400	431	108	54-153	
tert-Amylmethyl ether	ug/L	ND	40	40.3	101	69-139	
tert-Butyl Alcohol	ug/L	ND	200	326	163	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	0	10-170 P5	
Toluene	ug/L	ND	20	20.2	101	59-148	
Xylene (Total)	ug/L	ND	60	62.9	105	63-158	
1,2-Dichloroethane-d4 (S)	%				104	70-130	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 2931203

Parameter	Units	92484607007 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034

Pace Project No.: 92484607

SAMPLE DUPLICATE: 2931203

Parameter	Units	92484607007 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	99	99			
4-Bromofluorobenzene (S)	%	97	96			
Toluene-d8 (S)	%	100	100			

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034
Pace Project No.: 92484607

QC Batch:	551440	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92484607006, 92484607012

METHOD BLANK: 2931204 Matrix: Water

Associated Lab Samples: 92484607006, 92484607012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	07/07/20 12:32	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	07/07/20 12:32	
Benzene	ug/L	ND	5.0	1.7	07/07/20 12:32	
Diisopropyl ether	ug/L	ND	5.0	3.5	07/07/20 12:32	
Ethanol	ug/L	ND	200	144	07/07/20 12:32	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	07/07/20 12:32	
Ethylbenzene	ug/L	ND	5.0	1.8	07/07/20 12:32	
m&p-Xylene	ug/L	ND	10.0	4.1	07/07/20 12:32	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	07/07/20 12:32	
Naphthalene	ug/L	ND	5.0	2.1	07/07/20 12:32	
o-Xylene	ug/L	ND	5.0	2.0	07/07/20 12:32	
tert-Amyl Alcohol	ug/L	ND	100	65.6	07/07/20 12:32	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	07/07/20 12:32	
tert-Butyl Alcohol	ug/L	ND	100	91.0	07/07/20 12:32	
tert-Butyl Formate	ug/L	ND	50.0	24.1	07/07/20 12:32	
Toluene	ug/L	ND	5.0	2.0	07/07/20 12:32	
Xylene (Total)	ug/L	ND	5.0	5.0	07/07/20 12:32	
1,2-Dichloroethane-d4 (S)	%	100	70-130		07/07/20 12:32	
4-Bromofluorobenzene (S)	%	104	70-130		07/07/20 12:32	
Toluene-d8 (S)	%	109	70-130		07/07/20 12:32	

LABORATORY CONTROL SAMPLE: 2931205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	51.7	103	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	990	99	70-130	
Benzene	ug/L	50	48.5	97	70-130	
Diisopropyl ether	ug/L	50	55.2	110	70-130	
Ethanol	ug/L	2000	2150	108	70-130	
Ethyl-tert-butyl ether	ug/L	100	109	109	70-130	
Ethylbenzene	ug/L	50	45.0	90	70-130	
m&p-Xylene	ug/L	100	90.3	90	70-130	
Methyl-tert-butyl ether	ug/L	50	58.2	116	70-130	
Naphthalene	ug/L	50	49.3	99	70-130	
o-Xylene	ug/L	50	45.6	91	70-130	
tert-Amyl Alcohol	ug/L	1000	1040	104	70-130	
tert-Amylmethyl ether	ug/L	100	100	100	70-130	
tert-Butyl Alcohol	ug/L	500	524	105	70-130	
tert-Butyl Formate	ug/L	400	457	114	70-130	

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034

Pace Project No.: 92484607

LABORATORY CONTROL SAMPLE: 2931205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	46.4	93	70-130	
Xylene (Total)	ug/L	150	136	91	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2931206 2931207

Parameter	Units	92484613010		MS		MSD		MS		MSD		% Rec		Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	Limits		
1,2-Dichloroethane	ug/L	ND	20	20	20.1	20.3	99	100	70-137	1	30				
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	347	383	87	96	39-157	10	30				
Benzene	ug/L	17.4	20	20	40.3	40.8	114	117	70-151	1	30				
Diisopropyl ether	ug/L	ND	20	20	20.2	20.9	98	101	63-144	3	30				
Ethanol	ug/L	ND	800	800	784	793	98	99	39-176	1	30				
Ethyl-tert-butyl ether	ug/L	ND	40	40	37.6	38.6	94	97	66-137	3	30				
Ethylbenzene	ug/L	3.5J	20	20	25.1	25.0	108	108	66-153	0	30				
m&p-Xylene	ug/L	ND	40	40	46.9	47.5	108	110	69-152	1	30				
Methyl-tert-butyl ether	ug/L	3.5J	20	20	25.7	27.1	111	118	54-156	5	30				
Naphthalene	ug/L	6.2	20	20	27.2	29.4	105	116	61-148	8	30				
o-Xylene	ug/L	ND	20	20	22.2	22.1	108	107	70-148	1	30				
tert-Amyl Alcohol	ug/L	ND	400	400	422	480	94	109	54-153	13	30				
tert-Amylmethyl ether	ug/L	ND	40	40	41.0	43.2	99	105	69-139	5	30				
tert-Butyl Alcohol	ug/L	ND	200	200	191	225	95	113	43-188	17	30				
tert-Butyl Formate	ug/L	ND	160	160	47.0J	35.8J	29	22	10-170		30				
Toluene	ug/L	ND	20	20	21.9	22.1	107	107	59-148	1	30				
Xylene (Total)	ug/L	ND	60	60	69.1	69.5	115	116	63-158	1	30				
1,2-Dichloroethane-d4 (S)	%						99	94	70-130						
4-Bromofluorobenzene (S)	%						101	101	70-130						
Toluene-d8 (S)	%						102	101	70-130						

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034
Pace Project No.: 92484607

QC Batch: 551920 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92484607001, 92484607002, 92484607003, 92484607004

METHOD BLANK: 2933295 Matrix: Water
Associated Lab Samples: 92484607001, 92484607002, 92484607003, 92484607004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	07/08/20 17:05	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	07/08/20 17:05	
Benzene	ug/L	ND	5.0	1.7	07/08/20 17:05	
Diisopropyl ether	ug/L	ND	5.0	3.5	07/08/20 17:05	
Ethanol	ug/L	ND	200	144	07/08/20 17:05	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	07/08/20 17:05	
Ethylbenzene	ug/L	ND	5.0	1.8	07/08/20 17:05	
m&p-Xylene	ug/L	ND	10.0	4.1	07/08/20 17:05	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	07/08/20 17:05	
Naphthalene	ug/L	ND	5.0	2.1	07/08/20 17:05	
o-Xylene	ug/L	ND	5.0	2.0	07/08/20 17:05	
tert-Amyl Alcohol	ug/L	ND	100	65.6	07/08/20 17:05	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	07/08/20 17:05	
tert-Butyl Alcohol	ug/L	ND	100	91.0	07/08/20 17:05	
tert-Butyl Formate	ug/L	ND	50.0	24.1	07/08/20 17:05	
Toluene	ug/L	ND	5.0	2.0	07/08/20 17:05	
Xylene (Total)	ug/L	ND	5.0	5.0	07/08/20 17:05	
1,2-Dichloroethane-d4 (S)	%	100	70-130		07/08/20 17:05	
4-Bromofluorobenzene (S)	%	101	70-130		07/08/20 17:05	
Toluene-d8 (S)	%	100	70-130		07/08/20 17:05	

LABORATORY CONTROL SAMPLE: 2933296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	44.9	90	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1040	104	70-130	
Benzene	ug/L	50	45.3	91	70-130	
Diisopropyl ether	ug/L	50	48.1	96	70-130	
Ethanol	ug/L	2000	2150	108	70-130	
Ethyl-tert-butyl ether	ug/L	100	94.4	94	70-130	
Ethylbenzene	ug/L	50	44.7	89	70-130	
m&p-Xylene	ug/L	100	90.3	90	70-130	
Methyl-tert-butyl ether	ug/L	50	47.4	95	70-130	
Naphthalene	ug/L	50	48.9	98	70-130	
o-Xylene	ug/L	50	45.6	91	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	
tert-Amylmethyl ether	ug/L	100	96.5	97	70-130	
tert-Butyl Alcohol	ug/L	500	486	97	70-130	
tert-Butyl Formate	ug/L	400	396	99	70-130	

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034

Pace Project No.: 92484607

LABORATORY CONTROL SAMPLE: 2933296

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	44.7	89	70-130	
Xylene (Total)	ug/L	150	136	91	70-130	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2933297 2933298

Parameter	Units	92484358003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	8000	8000	7910	7880	99	98	70-137	0	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	160000	160000	180000	176000	112	110	39-157	2	30	
Benzene	ug/L	24200	8000	8000	31600	32000	92	97	70-151	1	30	
Diisopropyl ether	ug/L	ND	8000	8000	8870	8720	102	100	63-144	2	30	
Ethanol	ug/L	ND	320000	320000	329000	320000	103	100	39-176	3	30	
Ethyl-tert-butyl ether	ug/L	ND	16000	16000	16100	15900	101	99	66-137	2	30	
Ethylbenzene	ug/L	3360	8000	8000	12200	12100	111	109	66-153	1	30	
m&p-Xylene	ug/L	15100	16000	16000	32900	32700	111	110	69-152	1	30	
Methyl-tert-butyl ether	ug/L	4910	8000	8000	12400	12400	94	93	54-156	0	30	
Naphthalene	ug/L	1030J	8000	8000	9750	9380	109	104	61-148	4	30	
o-Xylene	ug/L	6990	8000	8000	16000	15800	112	110	70-148	1	30	
tert-Amyl Alcohol	ug/L	ND	160000	160000	172000	169000	108	105	54-153	2	30	
tert-Amylmethyl ether	ug/L	ND	16000	16000	18200	17900	107	106	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	80000	80000	75400	74400	94	93	43-188	1	30	
tert-Butyl Formate	ug/L	ND	64000	64000	66200	64900	103	101	10-170	2	30	
Toluene	ug/L	56800	8000	8000	62000	62900	64	76	59-148	1	30	
Xylene (Total)	ug/L	22100	24000	24000	48900	48500	112	110	63-158	1	30	
1,2-Dichloroethane-d4 (S)	%						96	96	70-130			
4-Bromofluorobenzene (S)	%						101	101	70-130			
Toluene-d8 (S)	%						99	100	70-130			

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034
Pace Project No.: 92484607

QC Batch:	552144	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92484607017

METHOD BLANK: 2934290 Matrix: Water

Associated Lab Samples: 92484607017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	07/09/20 12:14	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	07/09/20 12:14	
Benzene	ug/L	ND	5.0	1.7	07/09/20 12:14	
Diisopropyl ether	ug/L	ND	5.0	3.5	07/09/20 12:14	
Ethanol	ug/L	ND	200	144	07/09/20 12:14	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	07/09/20 12:14	
Ethylbenzene	ug/L	ND	5.0	1.8	07/09/20 12:14	
m&p-Xylene	ug/L	ND	10.0	4.1	07/09/20 12:14	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	07/09/20 12:14	
Naphthalene	ug/L	ND	5.0	2.1	07/09/20 12:14	
o-Xylene	ug/L	ND	5.0	2.0	07/09/20 12:14	
tert-Amyl Alcohol	ug/L	ND	100	65.6	07/09/20 12:14	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	07/09/20 12:14	
tert-Butyl Alcohol	ug/L	ND	100	91.0	07/09/20 12:14	
tert-Butyl Formate	ug/L	ND	50.0	24.1	07/09/20 12:14	
Toluene	ug/L	ND	5.0	2.0	07/09/20 12:14	
Xylene (Total)	ug/L	ND	5.0	5.0	07/09/20 12:14	
1,2-Dichloroethane-d4 (S)	%	87	70-130		07/09/20 12:14	
4-Bromofluorobenzene (S)	%	99	70-130		07/09/20 12:14	
Toluene-d8 (S)	%	100	70-130		07/09/20 12:14	

LABORATORY CONTROL SAMPLE: 2934291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	44.4	89	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1090	109	70-130	
Benzene	ug/L	50	48.6	97	70-130	
Diisopropyl ether	ug/L	50	44.9	90	70-130	
Ethanol	ug/L	2000	1730	86	70-130	
Ethyl-tert-butyl ether	ug/L	100	91.9	92	70-130	
Ethylbenzene	ug/L	50	47.8	96	70-130	
m&p-Xylene	ug/L	100	96.0	96	70-130	
Methyl-tert-butyl ether	ug/L	50	50.0	100	70-130	
Naphthalene	ug/L	50	48.1	96	70-130	
o-Xylene	ug/L	50	49.7	99	70-130	
tert-Amyl Alcohol	ug/L	1000	1090	109	70-130	
tert-Amylmethyl ether	ug/L	100	98.5	98	70-130	
tert-Butyl Alcohol	ug/L	500	480	96	70-130	
tert-Butyl Formate	ug/L	400	392	98	70-130	

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034

Pace Project No.: 92484607

LABORATORY CONTROL SAMPLE: 2934291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	49.7	99	70-130	
Xylene (Total)	ug/L	150	146	97	70-130	
1,2-Dichloroethane-d4 (S)	%			86	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934292 2934293

Parameter	Units	92484358022		MS		MSD		MS	MSD	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result								
1,2-Dichloroethane	ug/L	ND	200	200	195	190	98	95	70-137	3	30				
3,3-Dimethyl-1-Butanol	ug/L	ND	4000	4000	4200	4140	105	103	39-157	2	30				
Benzene	ug/L	ND	200	200	214	213	107	106	70-151	1	30				
Diisopropyl ether	ug/L	ND	200	200	207	204	93	92	63-144	1	30				
Ethanol	ug/L	ND	8000	8000	7240	7180	91	90	39-176	1	30				
Ethyl-tert-butyl ether	ug/L	ND	400	400	379	372	95	93	66-137	2	30				
Ethylbenzene	ug/L	ND	200	200	209	207	105	104	66-153	1	30				
m&p-Xylene	ug/L	ND	400	400	418	415	105	104	69-152	1	30				
Methyl-tert-butyl ether	ug/L	659	200	200	930	930	135	135	54-156	0	30				
Naphthalene	ug/L	ND	200	200	179	181	89	90	61-148	1	30				
o-Xylene	ug/L	ND	200	200	213	213	105	105	70-148	0	30				
tert-Amyl Alcohol	ug/L	ND	4000	4000	4380	4410	110	110	54-153	1	30				
tert-Amylmethyl ether	ug/L	ND	400	400	418	413	105	103	69-139	1	30				
tert-Butyl Alcohol	ug/L	ND	2000	2000	2110	2080	105	104	43-188	1	30				
tert-Butyl Formate	ug/L	ND	1600	1600	1340	1300	84	81	10-170	3	30				
Toluene	ug/L	ND	200	200	218	216	109	108	59-148	1	30				
Xylene (Total)	ug/L	ND	600	600	631	628	105	105	63-158	1	30				
1,2-Dichloroethane-d4 (S)	%						86	85	70-130						
4-Bromofluorobenzene (S)	%						97	97	70-130						
Toluene-d8 (S)	%						98	98	70-130						

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034

Pace Project No.: 92484607

QC Batch:	551781	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92484607001, 92484607002, 92484607003, 92484607004

METHOD BLANK: 2932509 Matrix: Water
Associated Lab Samples: 92484607001, 92484607002, 92484607003, 92484607004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.011	07/08/20 17:03	
1-Chloro-2-bromopropane (S)	%	94	60-140		07/08/20 17:03	

LABORATORY CONTROL SAMPLE & LCSD: 2932510			2932511							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.24	0.24	100	96	60-140	3	20	
1-Chloro-2-bromopropane (S)	%				96	96	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2932513				2932514								
Parameter	Units	92484599006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.24	0.24	0.23	0.23	96	96	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						94	93	60-140			

SAMPLE DUPLICATE: 2932512

Parameter	Units	92484599005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	93	94			

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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QUALITY CONTROL DATA

Project: Coastal 76 19-7034
Pace Project No.: 92484607

QC Batch:	551782	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Charlotte
Associated Lab Samples:	92484607005, 92484607006, 92484607007, 92484607008, 92484607009, 92484607010, 92484607011, 92484607012, 92484607013, 92484607014, 92484607015, 92484607016, 92484607017, 92484607018		

METHOD BLANK: 2932515 Matrix: Water
Associated Lab Samples: 92484607005, 92484607006, 92484607007, 92484607008, 92484607009, 92484607010, 92484607011, 92484607012, 92484607013, 92484607014, 92484607015, 92484607016, 92484607017, 92484607018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.011	07/08/20 22:20	
1-Chloro-2-bromopropane (S)	%	88	60-140		07/08/20 22:20	

LABORATORY CONTROL SAMPLE & LCSD:		2932516	2932517							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.24	0.24	96	97	60-140	2	20	
1-Chloro-2-bromopropane (S)	%				94	94	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:				2932519		2932520						
Parameter	Units	92484607006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.22	0.23	90	93	60-140	4	20	
1-Chloro-2-bromopropane (S)	%						88	91	60-140			

SAMPLE DUPLICATE:		2932518				
Parameter	Units	92484607005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	94	95			

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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QUALIFIERS

Project: Coastal 76 19-7034

Pace Project No.: 92484607

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

P5 The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coastal 76 19-7034

Pace Project No.: 92484607

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92484607001	IGWA-R	EPA 8011	551781	EPA 8011	551939
92484607002	MW-1	EPA 8011	551781	EPA 8011	551939
92484607003	MW-3	EPA 8011	551781	EPA 8011	551939
92484607004	MW-4	EPA 8011	551781	EPA 8011	551939
92484607005	MW-6	EPA 8011	551782	EPA 8011	551940
92484607006	MW-7	EPA 8011	551782	EPA 8011	551940
92484607007	MW-8	EPA 8011	551782	EPA 8011	551940
92484607008	MW-11	EPA 8011	551782	EPA 8011	551940
92484607009	MW-18	EPA 8011	551782	EPA 8011	551940
92484607010	MW-19	EPA 8011	551782	EPA 8011	551940
92484607011	MW-20	EPA 8011	551782	EPA 8011	551940
92484607012	MW-22D	EPA 8011	551782	EPA 8011	551940
92484607013	MW-27	EPA 8011	551782	EPA 8011	551940
92484607014	MW-28	EPA 8011	551782	EPA 8011	551940
92484607015	TW-1	EPA 8011	551782	EPA 8011	551940
92484607016	TW-2	EPA 8011	551782	EPA 8011	551940
92484607017	DUP-1	EPA 8011	551782	EPA 8011	551940
92484607018	FB	EPA 8011	551782	EPA 8011	551940
92484607001	IGWA-R	EPA 8260D	551920		
92484607002	MW-1	EPA 8260D	551920		
92484607003	MW-3	EPA 8260D	551920		
92484607004	MW-4	EPA 8260D	551920		
92484607005	MW-6	EPA 8260D	551439		
92484607006	MW-7	EPA 8260D	551440		
92484607007	MW-8	EPA 8260D	551439		
92484607008	MW-11	EPA 8260D	551439		
92484607009	MW-18	EPA 8260D	551439		
92484607010	MW-19	EPA 8260D	551439		
92484607011	MW-20	EPA 8260D	551439		
92484607012	MW-22D	EPA 8260D	551440		
92484607013	MW-27	EPA 8260D	551439		
92484607014	MW-28	EPA 8260D	551439		
92484607015	TW-1	EPA 8260D	551439		
92484607016	TW-2	EPA 8260D	551439		
92484607017	DUP-1	EPA 8260D	552144		
92484607018	FB	EPA 8260D	551439		
92484607019	TB	EPA 8260D	551439		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

Company:

MECI

Address:

Report To:

Copy To:

Customer Project Name/Number:

State:

County/City:

Time Zone Collected:

Site/Facility ID#:

Purchase Order #:

Quote #:

Turnaround Date Required:

Compliance Monitoring?

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice:

Field Filtered (if applicable):

Analysis:

Rush:

Disposition as appropriate:

Archive:

Hold:

Expedite Charges Apply

Matrix Codes (Insert in Matrix box below):

Drinking Water (DW), Ground Water (GW), Wastewater (WW),

Product (P), Soil/Solid (SL), Oil (OI), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID

Matrix *

Comp / Grab

Collected (or Composite Start)

Date

Time

Composite End

Date

Time

Res CI

of Cns

Type of Ice Used:

Wet

Blue

Dry

None

Packing Material Used:

Radchem sample(s) screened (<500 cpm):

Y

N

MA

Date/Time:

Received by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

Date/Time:

Received by/Company: (Signature)

LAB USE ONLY: A

MO# : 92484607

ALL 92484607

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signatures Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
CI Strips: Y N NA
Sample pH Acceptable Y N NA
pH Strips: Y N NA
Sulfide Present Y N NA
Lead Acetate Strips: Y N NA

LAB USE ONLY:
Lab Sample # / Comments:

LAB USE ONLY:
Temp Blank Received: Y N NA
Therm ID#: 2429368
Cooler 1 Temp Upon Receipt: 39.9 °C
Cooler 1 Therm Corr. Factor: 0.1 °C
Cooler 1 Corrected Temp: 40.0 °C
Comments:

2429368

Lab Tracking #:

SHORT HOLDS PRESENT (<72 hours):

Y

N

MA

Samples received via:

FEDEX

UPS

Client

Courier

Page Counter

Table #:

Accum:

Template:

Prelogin:

PM:

PB:

Non Conformance(s):

Page:

of:

PACE Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

Company: MECI

Address: 231 Dodge Rd, Lexington SC 29073

Report To: B. Shyne

Email To: SL@meconet

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: 00517176

State: SC

County/City: Florence

Time Zone Collected: PT MT CT ET

Phone: 803-703-7034

Site/Facility ID #: 19-7034

Compliance Monitoring? Yes No

Purchase Order #: DW PWS ID #:

Collected By (print): Turnaround Date Required: Immediately Packed on Ice:

Collected By (signature):

Sample Disposal: Rush: Same Day Next Day

Disposal as appropriate: Return

Archive: Hold:

Analysis: Yes No

Field Filtered (if applicable):

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date Time	Composite End Date Time	Res CI	# of Cns
MW-19	GW	G	6/29/20 10:10			6
MW-10	GW	G	6/29/20 10:10			6
MW-01						6
MW-22						6
MW-220	GW	G	6/29/20 14:30			6
MW-23						6
MW-24						6
MW-25						6
MW-26						6
MW-27	GW	G	6/29/20 10:50			6

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: B-bags

Radchem sample(s) screened (<500 cpm): Y N NA

Received by/Company: (Signature)

Date/Time: 7-2-2020 8:15

Relinquished by/Company: (Signature)

Date/Time: 7-2-20 1430

LAB USE ONLY - Affix Workorder/MT:

ALL SHADED A

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signatures Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: Y N NA
Sample pH Acceptable Y N NA
pH Strips: Y N NA
Sulfide Present Y N NA
Lead Acetate Strips: Y N NA

LAB USE ONLY:

Lab Sample # / Comments:

Lab Sample # / Comments:

Lab Sample # / Comments:

Lab Sample # / Comments:

Lab Sample # / Comments:

Lab Sample # / Comments:

Lab Sample # / Comments:

Lab Sample # / Comments:

Lab Sample # / Comments:

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Lab Sample # / Comments:

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

LAB USE ONLY - Affix Workon

ALL SHADED

Container Preservative Type	***

Lab Project Manager:

MO#: 92484607

PM: AMB **Due Date: 07/10/20**

CLIENT: 92-MIDLAND

THE

e 40 of 41

[illegible]

July 13, 2020

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: Coastal 76 19-7034
Pace Project No.: 92484609

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on July 02, 2020. 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,



Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Pace Analytical Services Charlotte

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

Louisiana/NELAP Certification # LA170028

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92484609001	WSW-1	Water	06/29/20 12:15	07/02/20 08:15
92484609002	WSW Dup	Water	06/29/20 12:15	07/02/20 08:15
92484609003	WSW FB	Water	06/29/20 12:15	07/02/20 08:15
92484609004	WSW TB	Water	06/29/20 08:00	07/02/20 08:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92484609001	WSW-1	EPA 504.1	JMS1	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	GAW	11	PASI-C
92484609002	WSW Dup	EPA 504.1	JMS1	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	GAW	11	PASI-C
92484609003	WSW FB	EPA 504.1	JMS1	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	GAW	11	PASI-C
92484609004	WSW TB	EPA 524.2	LMB	11	PASI-C
		EPA 8260D	GAW	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Sample: WSW-1		Lab ID: 92484609001		Collected: 06/29/20 12:15		Received: 07/02/20 08:15		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-Dibromoethane (EDB)	ND	ug/L	0.020	0.011	1	07/09/20 10:05	07/09/20 18:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	87	%	70-130		1	07/09/20 10:05	07/09/20 18:40	301-79-56	
524.2 MSV SC List Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte									
Benzene	ND	ug/L	0.50	0.25	1		07/06/20 19:01	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.13	1		07/06/20 19:01	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.26	1		07/06/20 19:01	100-41-4	
Methyl-tert-butyl ether	5.4	ug/L	0.50	0.094	1		07/06/20 19:01	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.31	1		07/06/20 19:01	91-20-3	
Toluene	ND	ug/L	0.50	0.24	1		07/06/20 19:01	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.25	1		07/06/20 19:01	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.46	1		07/06/20 19:01	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.25	1		07/06/20 19:01	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	102	%	70-130		1		07/06/20 19:01	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/06/20 19:01	460-00-4	
8260 MSV Low Level SC Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		07/10/20 02:52	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		07/10/20 02:52	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		07/10/20 02:52	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		07/10/20 02:52	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		07/10/20 02:52	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		07/10/20 02:52	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		07/10/20 02:52	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		07/10/20 02:52	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/10/20 02:52	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		07/10/20 02:52	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		07/10/20 02:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Sample: WSW Dup		Lab ID: 92484609002		Collected: 06/29/20 12:15		Received: 07/02/20 08:15		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-Dibromoethane (EDB)	ND	ug/L	0.019	0.011	1	07/09/20 10:05	07/09/20 18:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	74	%	70-130		1	07/09/20 10:05	07/09/20 18:51	301-79-56	
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	0.50	0.25	1		07/06/20 19:27	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.13	1		07/06/20 19:27	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.26	1		07/06/20 19:27	100-41-4	
Methyl-tert-butyl ether	4.2	ug/L	0.50	0.094	1		07/06/20 19:27	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.31	1		07/06/20 19:27	91-20-3	
Toluene	ND	ug/L	0.50	0.24	1		07/06/20 19:27	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.25	1		07/06/20 19:27	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.46	1		07/06/20 19:27	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.25	1		07/06/20 19:27	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	101	%	70-130		1		07/06/20 19:27	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		07/06/20 19:27	460-00-4	
8260 MSV Low Level SC		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		07/10/20 03:10	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		07/10/20 03:10	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		07/10/20 03:10	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		07/10/20 03:10	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		07/10/20 03:10	762-75-4	P5
Diisopropyl ether	ND	ug/L	1.0	0.22	1		07/10/20 03:10	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		07/10/20 03:10	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		07/10/20 03:10	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/10/20 03:10	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		07/10/20 03:10	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		07/10/20 03:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Sample: WSW FB		Lab ID: 92484609003		Collected: 06/29/20 12:15		Received: 07/02/20 08:15		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-Dibromoethane (EDB)	ND	ug/L	0.019	0.011	1	07/09/20 10:05	07/09/20 19:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	133	%	70-130		1	07/09/20 10:05	07/09/20 19:03	301-79-56	S3
524.2 MSV SC List		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte							
Benzene	ND	ug/L	0.50	0.25	1		07/06/20 17:16	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.13	1		07/06/20 17:16	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.26	1		07/06/20 17:16	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.094	1		07/06/20 17:16	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.31	1		07/06/20 17:16	91-20-3	
Toluene	ND	ug/L	0.50	0.24	1		07/06/20 17:16	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.25	1		07/06/20 17:16	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.46	1		07/06/20 17:16	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.25	1		07/06/20 17:16	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/06/20 17:16	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130		1		07/06/20 17:16	460-00-4	
8260 MSV Low Level SC		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte							
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		07/09/20 21:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		07/09/20 21:46	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		07/09/20 21:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		07/09/20 21:46	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		07/09/20 21:46	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		07/09/20 21:46	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		07/09/20 21:46	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		07/09/20 21:46	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/09/20 21:46	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		07/09/20 21:46	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/09/20 21:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Sample: WSW TB		Lab ID: 92484609004		Collected: 06/29/20 08:00		Received: 07/02/20 08:15		Matrix: 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	ug/L	0.50	0.25	1		07/06/20 17:43	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.13	1		07/06/20 17:43	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.26	1		07/06/20 17:43	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.094	1		07/06/20 17:43	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.31	1		07/06/20 17:43	91-20-3	
Toluene	ND	ug/L	0.50	0.24	1		07/06/20 17:43	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.25	1		07/06/20 17:43	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.46	1		07/06/20 17:43	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.25	1		07/06/20 17:43	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	99	%	70-130		1		07/06/20 17:43	2199-69-1	
4-Bromofluorobenzene (S)	89	%	70-130		1		07/06/20 17:43	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	53.9	1		07/09/20 22:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.5	1		07/09/20 22:04	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	62.0	1		07/09/20 22:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	27.3	1		07/09/20 22:04	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.7	1		07/09/20 22:04	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.22	1		07/09/20 22:04	108-20-3	
Ethanol	ND	ug/L	200	98.8	1		07/09/20 22:04	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.7	1		07/09/20 22:04	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		07/09/20 22:04	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		07/09/20 22:04	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		07/09/20 22:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034

Pace Project No.: 92484609

QC Batch:	551356	Analysis Method:	EPA 524.2
QC Batch Method:	EPA 524.2	Analysis Description:	524.2 MSV
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92484609001, 92484609002, 92484609003, 92484609004

METHOD BLANK: 2930937 Matrix: Water

Associated Lab Samples: 92484609001, 92484609002, 92484609003, 92484609004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	0.13	07/06/20 15:32	
Benzene	ug/L	ND	0.50	0.25	07/06/20 15:32	
Ethylbenzene	ug/L	ND	0.50	0.26	07/06/20 15:32	
m&p-Xylene	ug/L	ND	1.0	0.46	07/06/20 15:32	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.094	07/06/20 15:32	
Naphthalene	ug/L	ND	0.50	0.31	07/06/20 15:32	
o-Xylene	ug/L	ND	0.50	0.25	07/06/20 15:32	
Toluene	ug/L	ND	0.50	0.24	07/06/20 15:32	
Xylene (Total)	ug/L	ND	0.50	0.25	07/06/20 15:32	
1,2-Dichlorobenzene-d4 (S)	%	99	70-130		07/06/20 15:32	
4-Bromofluorobenzene (S)	%	91	70-130		07/06/20 15:32	

LABORATORY CONTROL SAMPLE: 2930938

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.7	98	70-130	
Benzene	ug/L	20	19.0	95	70-130	
Ethylbenzene	ug/L	20	19.7	98	70-130	
m&p-Xylene	ug/L	40	39.4	99	70-130	
Methyl-tert-butyl ether	ug/L	20	19.3	97	70-130	
Naphthalene	ug/L	20	19.9	100	70-130	
o-Xylene	ug/L	20	19.7	99	70-130	
Toluene	ug/L	20	19.4	97	70-130	
Xylene (Total)	ug/L	60	59.1	99		
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			94	70-130	

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034
Pace Project No.: 92484609

QC Batch: 552246 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92484609001, 92484609002, 92484609003, 92484609004

METHOD BLANK: 2934964 Matrix: Water
Associated Lab Samples: 92484609001, 92484609002, 92484609003, 92484609004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	62.0	07/09/20 20:52	
Diisopropyl ether	ug/L	ND	1.0	0.22	07/09/20 20:52	
Ethanol	ug/L	ND	200	98.8	07/09/20 20:52	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.7	07/09/20 20:52	
tert-Amyl Alcohol	ug/L	ND	100	53.9	07/09/20 20:52	
tert-Amylmethyl ether	ug/L	ND	10.0	3.5	07/09/20 20:52	
tert-Butyl Alcohol	ug/L	ND	100	27.3	07/09/20 20:52	
tert-Butyl Formate	ug/L	ND	50.0	24.7	07/09/20 20:52	
1,2-Dichloroethane-d4 (S)	%	100	70-130		07/09/20 20:52	
4-Bromofluorobenzene (S)	%	97	70-130		07/09/20 20:52	
Toluene-d8 (S)	%	104	70-130		07/09/20 20:52	

LABORATORY CONTROL SAMPLE: 2934965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	1040	104	70-130	
Diisopropyl ether	ug/L	50	49.2	98	70-130	
Ethanol	ug/L	2000	1880	94	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	
tert-Amylmethyl ether	ug/L	100	104	104	70-130	
tert-Butyl Alcohol	ug/L	500	484	97	70-130	
tert-Butyl Formate	ug/L	400	429	107	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934966 2934967

Parameter	Units	92484609002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	469	510	117	128	39-157	8	30	
Diisopropyl ether	ug/L	ND	20	20	22.1	23.9	111	120	63-144	8	30	
Ethanol	ug/L	ND	800	800	965	1060	121	132	39-176	9	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	43.6	46.9	109	117	66-137	7	30	
tert-Amyl Alcohol	ug/L	ND	400	400	472	513	118	128	54-153	8	30	
tert-Amylmethyl ether	ug/L	ND	40	40	43.6	46.5	109	116	69-139	7	30	

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034

Pace Project No.: 92484609

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934966 2934967											
Parameter	Units	92484609002		MS	MSD	MS		MS	MSD	% Rec	Max
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
tert-Butyl Alcohol	ug/L	ND	200	200	200	314	344	157	172	43-188	9
tert-Butyl Formate	ug/L	ND	160	160	160	ND	ND	0	0	10-170	30 P5
1,2-Dichloroethane-d4 (S)	%							98	105	70-130	
4-Bromofluorobenzene (S)	%							100	101	70-130	
Toluene-d8 (S)	%							101	100	70-130	

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QUALITY CONTROL DATA

Project: Coastal 76 19-7034
Pace Project No.: 92484609

QC Batch: 552121 Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1 Analysis Description: GCS 504 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92484609001, 92484609002, 92484609003

METHOD BLANK: 2934216 Matrix: Water
Associated Lab Samples: 92484609001, 92484609002, 92484609003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.011	07/09/20 16:30	
1-Chloro-2-bromopropane (S)	%	109	70-130		07/09/20 16:30	

LABORATORY CONTROL SAMPLE & LCSD: 2934217			2934218							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	0.24	99	97	70-130	2	20	
1-Chloro-2-bromopropane (S)	%				98	98	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2934220				2934221								
Parameter	Units	92484382002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.23	0.24	95	97	65-135	2	20	
1-Chloro-2-bromopropane (S)	%						94	96	70-130			

SAMPLE DUPLICATE: 2934219			92484382001				Dup Result		Max RPD	Qualifiers
Parameter	Units		Result							
1,2-Dibromoethane (EDB)	ug/L		ND				ND		20	
1-Chloro-2-bromopropane (S)	%		94				100			

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QUALIFIERS

Project: Coastal 76 19-7034

Pace Project No.: 92484609

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

P5 The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coastal 76 19-7034

Pace Project No.: 92484609

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92484609001	WSW-1	EPA 504.1	552121	EPA 504.1	552282
92484609002	WSW Dup	EPA 504.1	552121	EPA 504.1	552282
92484609003	WSW FB	EPA 504.1	552121	EPA 504.1	552282
92484609001	WSW-1	EPA 524.2	551356		
92484609002	WSW Dup	EPA 524.2	551356		
92484609003	WSW FB	EPA 524.2	551356		
92484609004	WSW TB	EPA 524.2	551356		
92484609001	WSW-1	EPA 8260D	552246		
92484609002	WSW Dup	EPA 8260D	552246		
92484609003	WSW FB	EPA 8260D	552246		
92484609004	WSW TB	EPA 8260D	552246		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

Company: **MECT**

Address: **231 Apple Rd, Lexington, MA 02473**

Report To: **B. Shure**

Copy To:

Customer Project Name/Number: **Costa 76**

Phone: **781-7034**

Collected By (print): **Colin H. 11-05**

Collected By (signature): **[Signature]**

Sample Disposal: **[] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day**

[] Dispose as appropriate [] Return [] Archive: **[] Hold: []**

Turnaround Date Required:

Site/Facility ID #: **19-7034**

Purchase Order #:

Quote #:

DW PWS ID #:

DW Location Code:

Field Filtered (if applicable): **[] Yes [] No**

Analysis: **[] Yes [] No**

Expedite Charges Apply:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OI), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date Time	Composite End Date Time	Res CI	# of Cns
WSW-1	DM	G	6/29/12 12:15			9
WSW-2	DM	G	6/29/12 12:15			9
WSW-3	DM	G	6/29/12 12:15			9
WSW-4	DM	G	6/29/12 12:15			9
WSW-5	DM	G	6/29/12 12:15			9
WSW-6	DM	G	6/29/12 12:15			9
WSW-7	DM	G	6/29/12 12:15			9
WSW-8	DM	G	6/29/12 12:15			9
WSW-9	DM	G	6/29/12 12:15			9
WSW-10	DM	G	6/29/12 12:15			9
WSW-11	DM	G	6/29/12 12:15			9
WSW-12	DM	G	6/29/12 12:15			9
WSW-13	DM	G	6/29/12 12:15			9
WSW-14	DM	G	6/29/12 12:15			9
WSW-15	DM	G	6/29/12 12:15			9
WSW-16	DM	G	6/29/12 12:15			9
WSW-17	DM	G	6/29/12 12:15			9
WSW-18	DM	G	6/29/12 12:15			9
WSW-19	DM	G	6/29/12 12:15			9
WSW-20	DM	G	6/29/12 12:15			9

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used:	Wet	Blue	Dry	None
Packing Material Used:				
Radchem sample(s) screened (<500 cpm):	Y	N	NA	

Date/Time:	Received by/Company: (Signature)
7/2/20 8:15	[Signature]

Date/Time:	Received by/Company: (Signature)
7/2/20 14:40	[Signature]

Date/Time:	Received by/Company: (Signature)
7/2/20 14:40	[Signature]

Date/Time:	Received by/Company: (Signature)
7/2/20 14:40	[Signature]

Date/Time:	Received by/Company: (Signature)
7/2/20 14:40	[Signature]

Date/Time:	Received by/Company: (Signature)
7/2/20 14:40	[Signature]

Date/Time:	Received by/Company: (Signature)
7/2/20 14:40	[Signature]

LAB USE ONLY - A

MO#: 92484609

ALL 92484609

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signatures Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples Received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

CI Strips: Y N NA

Sample pH Acceptable Y N NA

pH Strips: Y N NA

Sulfide Present Y N NA

Lead Acetate Strips: Y N NA

LAB USE ONLY:

Lab Sample # / Comments:

Lab Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: 10-2004

Cooler 1 Temp Upon Receipt: 22.0C

Cooler 1 Therm Corr. Factor: 0.1 OC

Cooler 1 Corrected Temp: 42.0 OC

Comments:

Table #: MTJL LAB USE ONLY

Accum: Courier Page Courier

Template: Prelogin:

PM: PB:

Non Conformance(s): YES / NO

Page: of:

APPENDIX C:

TAX MAP
(Not Applicable)

APPENDIX D:
SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS
(Not Applicable)

APPENDIX E:
WELL COMPLETION LOGS & 1903 FORMS
(Not Applicable)

APPENDIX F:
AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
(Not Applicable)

APPENDIX G:
DISPOSAL MANIFEST



July 22, 2020

Re: Treatment of Purge Water
Coastal Truck Stop 76
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 19-7034

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 30 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

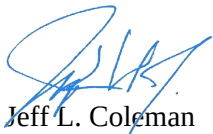
July 22, 2020

A total of 310.75 gallons were treated on June 29, 2020, during groundwater sampling at the referenced site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.



Jeff L. Coleman
Senior Scientist

APPENDIX H:
LOCAL ZONING REGULATIONS
(Not Applicable)

APPENDIX I:
FATE AND TRANSPORT MODELING
(Not Applicable)

APPENDIX J:
ACCESS AGREEMENTS
(Not Applicable)

APPENDIX K:
DATA VERIFICATION CHECKLIST

Contractor Checklist

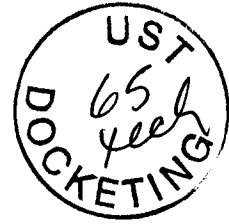
Item#	Item	Yes	No	N/A
1	Are Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone 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? (Table 2 & Figure 5)	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? (Appendix B)	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?	X		
27	Does the report include a brief discussion of the fate & transport models used?			X

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the <u>current</u> and historical laboratory data been provided in tabular format? (Table 3)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)	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? (Figures 4, 4A, 4B, 4C)	X		
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)	X		
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix K)	X		



DAN MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

DEC 09 2020



Re: **Site-Specific Work Plan Request for Additional Assessment**
Coastal 76 Truck Stop, 2513 E Palmetto St., Florence, SC
UST Permit #03538
Release reported September 27, 1995
Monitoring Report received August 11, 2020
Florence County

Dear Mr. McEachin:

The Underground Storage Tank Management (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 groundwater above Risk-Based Screening Levels (RBSLs).

To determine what risk the referenced release may pose to human health and the environment, in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations R.61-92, implementation of additional assessment is necessary. The assessment must be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan (ACQAP), and in compliance with all applicable regulations. A copy of the UST QAPP is available at SCDHEC.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance.

- Please replace the following monitoring wells: MW-2, MW-5, MW-7, MW-10RR, MW-15, MW-16, MW-17, MW-22, MW-24, MW-25, and MW-26.
- Please install new wells in the following locations: approximately two wells northeast of MW-4 between MW-4 and MW-25, one well east of MW-11, and one deep well paired with MW-25.
- Please also install approximately 6 recovery wells in the locations with the highest CoC concentrations.
- Please sample the existing and newly installed wells for BTEXNM, the 8 oxygenates, and EDB. 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 or 500 feet from the leading edge of the plume. Monitoring wells should be installed in the following locations.

Your contractor must complete the Site Specific Work Plan and submit it within 30 days from the date of this letter. A cost proposal is not required unless your contractor thinks the monitoring well footage will exceed 75 feet, sampling the IGWA monitoring well, a water supply well or surface water body is within 500 feet of the facility, or a municipal water supply well is within 1,000 feet of the facility. **Please note that approval from DHEC must be issued before work begins.**

On all correspondence concerning this site, please reference the above listed UST Permit number. If there are any questions concerning this project, feel free to contact me by phone at (803) 898-0592 by fax at (803)-898-0673, or by e-mail at edgarsk@dhec.sc.gov.

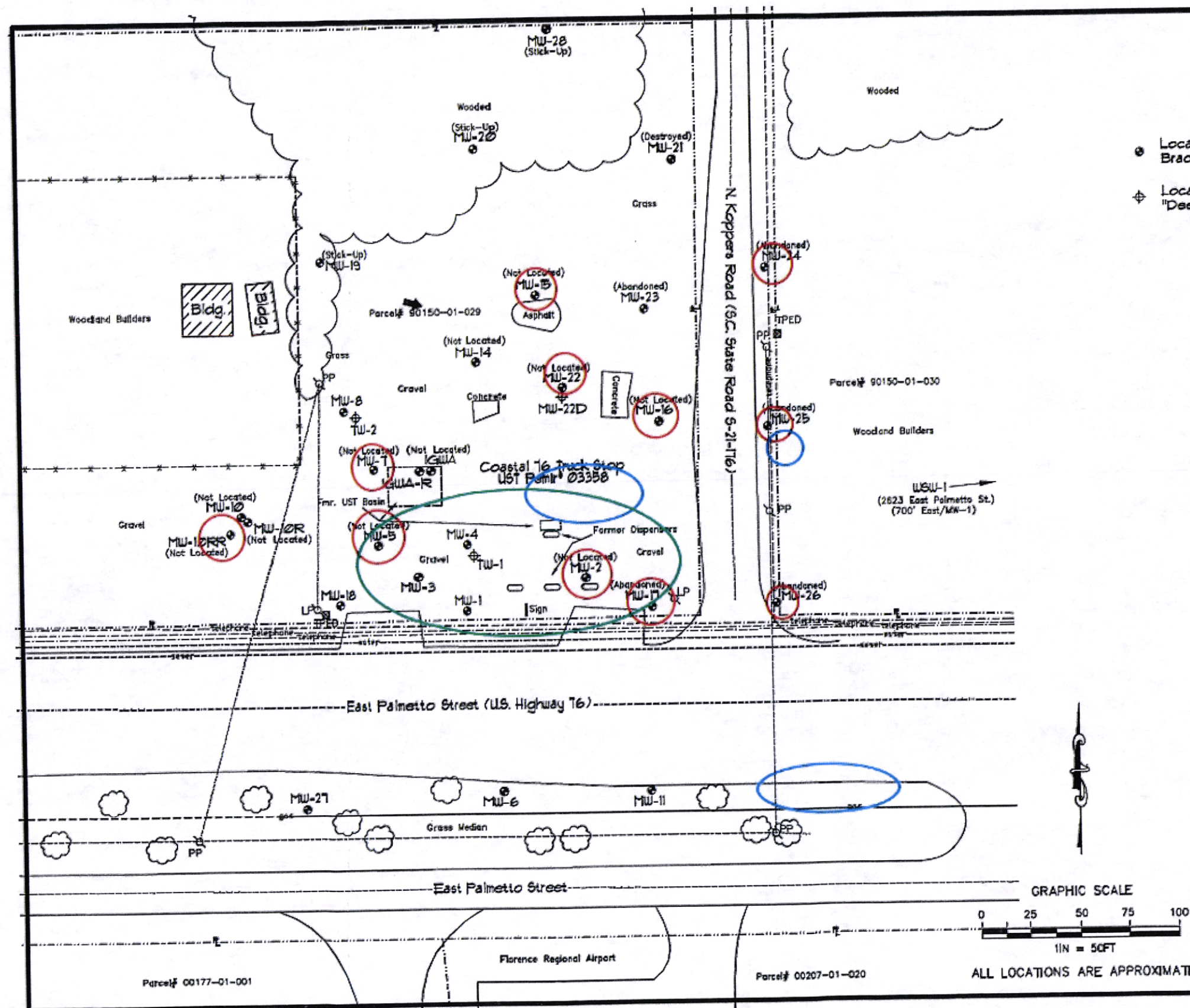
Sincerely,

A handwritten signature in black ink that reads "Sedona Edgar". The signature is written in a cursive, flowing style.

Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Map with proposed locations

cc: Midlands Environmental Consultants Inc., PO Box 854, Lexington, SC 29071 (w/ enc)



8/1/20



January 5, 2021

Ms. Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

RECEIVED

JAN 05 2021

SC Department of
Health & Environmental Control

Subject: Site-Specific Work Plan
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 20-7518
Certified Site Rehabilitation Contractor UCC-0009



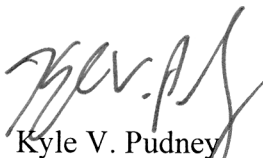
Dear Ms. Edgar,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

MECI personnel performed a site visit to the subject site on December 28, 2020 to evaluate site conditions, locate monitoring wells and identify potential problems for future sampling activities.

If you have any question or comments please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.


Kyle V. Pudney
Project Biologist


Jeff L. Coleman
Senior Scientist



**Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division**

To: Ms. Sedona Edgar (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal Truck Stop 76 UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence, SC 29506
Responsible Party: Dan McEachin Phone: 803-651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): SAA
Property Owner Address: SAA
Current Use of Property: Construction Site

Scope of Work (Please check all that apply)

☐ IGWA ☐ Tier II ☒ Groundwater Sampling ☐ GAC
☐ Tier I ☒ Monitoring Well Installation ☐ Other _____

Analyses (Please check all that apply)

Groundwater/Surface Water:

☒ BTEXNMDCA (8260B)	☐ Lead	☐ BOD	☐ Methane
☒ Oxygenates (8260B)	☐ 8 RCRA Metals	☐ Nitrate	☐ Ethanol
☒ EDB (8011)	☐ TPH	☐ Sulfate	☐ Dissolved Iron
☐ PAH (8270D)	☐ pH	☐ Other _____	

Drinking Water Supply Wells:

☒ BTEXNMDCA (524.2)	☐ Mercury (200.8 245.1 or 245.2)	☒ EDB (504.1)
☒ Oxygenates & Ethanol (8260B)	☐ RCRA Metals (200.8)	

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	_____ 2 _____ Field Blank
_____ 37 _____ Monitoring Wells	_____ Surface Water	_____ 3 _____ Duplicate	_____ 3 _____ Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: _____ Estimated Footage: _____ feet per point
of deep points proposed: _____ Estimated Footage: _____ feet per point

Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

# of shallow wells: <u>14</u>	Estimated Footage: <u>15' (10 foot screen)</u>	feet per point
# of deep wells: <u>1</u>	Estimated Footage: <u>36' (5 foot screen)</u>	feet per point
# of recovery wells: <u>6</u>	Estimated Footage: <u>17' (15 foot screen)</u>	feet per point

Comments, if warranted:

UST Permit #: 03538 Facility Name: Coastal 76 Truck Stop

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 1/5/2021 Field Work Completion: 2/5/2021

Report Submittal: 3/5/2021 # of Copies Provided to Property Owners: 0

Aquifer Characterization

Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal

Soil: 10.0 Tons Purge Water: 500.0 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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-MECI will install the replacement and additional wells requested by SCDHEC.

-Following well installation, the newly installed wells will be properly developed and a subsequent survey performed.

-MECI will conduct a comprehensive sampling event after well installation.

-All located monitoring wells will be purged prior to sampling and analyzed for BTEXNM, DCA, Oxys (8260D) and EDB (8011).

-Water supply well WSW01 will be sampled and analyzed for BTEXNM, DCA (524.2), Oxys (8260D), and EDB (504.1).

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: _____

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

None 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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



Healthy People. Healthy Communities.

**ASSESSMENT COMPONENT COST AGREEMENT
SOUTH CAROLINA**

Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
January 1, 2020

Facility Name: Coastal 76 Truck Stop

UST Permit #: 03538

Cost Agreement #:

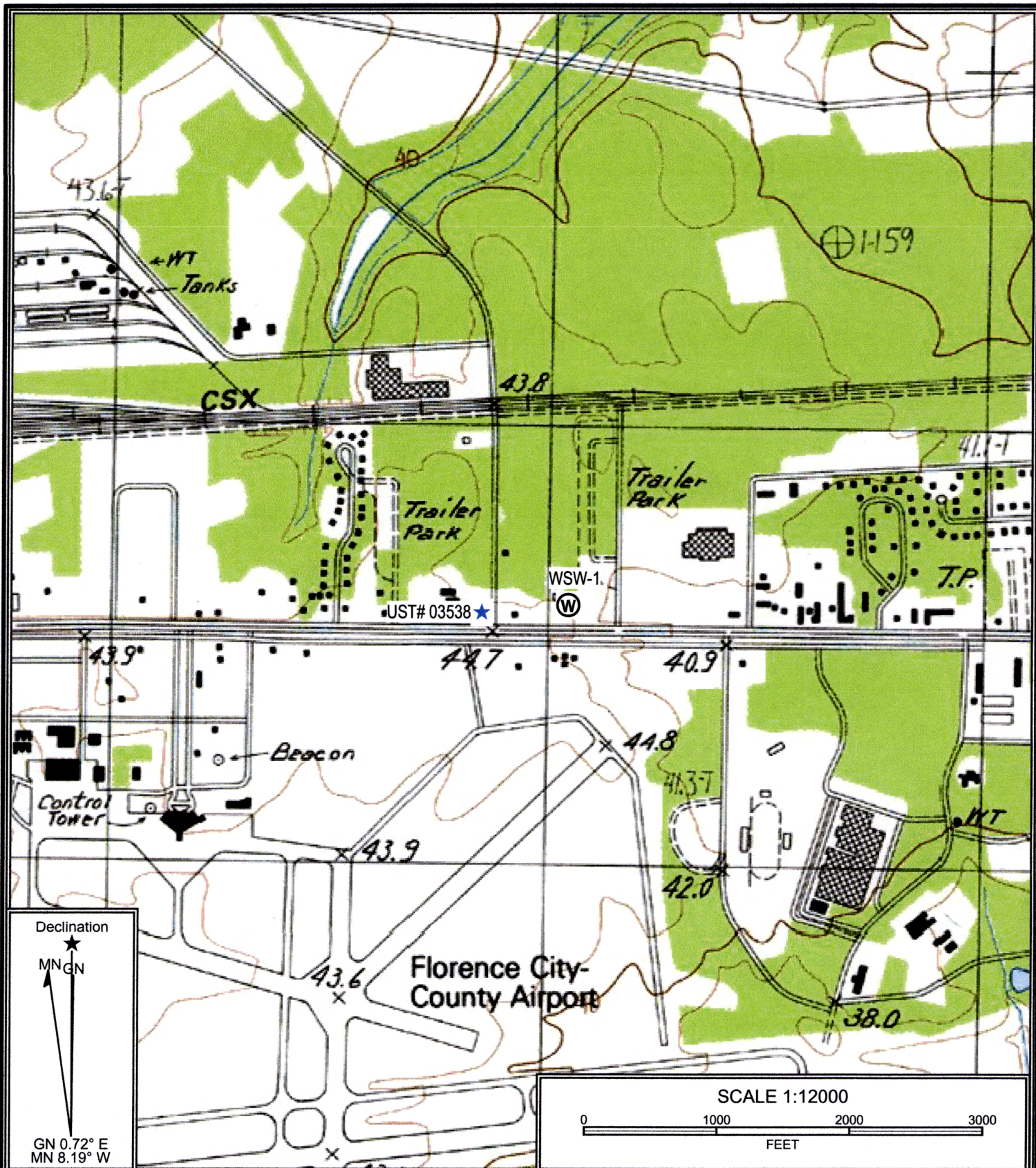
Proposal

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Plan Preparation				
1. Site-specific Work Plan	1	each	\$160.05	\$160.05
2. Tax Map		each	\$74.69	\$0.00
3. Tier II or Comp. Plan /QAPP Appendix B		each	\$250.00	\$0.00
B. Receptor Survey *		each	\$587.92	\$0.00
C. Survey (500 ft x 500 ft)				
1. Comprehensive Survey		each	\$1,109.68	\$0.00
Subsurface Geophysical Survey				
2. < 10 meters below grade		each	\$1,387.10	\$0.00
3. > 10 meters below grade		each	\$2,464.77	\$0.00
4. Geophysical UST or Drum Survey		each	\$970.97	\$0.00
D. Mob/Demob				
1. Equipment	1	each	\$1,088.34	\$1,088.34
2. Personnel	6	each	\$451.34	\$2,708.04
3. Adverse Terrain Vehicle		each	\$533.50	\$0.00
E. Soil Borings (hand auger)*		foot	\$5.34	\$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including water sample, soil sample, soil gas sample, etc.)*				
1. Standard		per foot	\$16.01	\$0.00
2. Fractured Rock		per foot	\$21.55	\$0.00
G. Soil Leachability Model		each	\$64.02	\$0.00
H. Abandonment (per foot)*				
1. 2" diameter or less		per foot	\$3.31	\$0.00
2. Greater than 2" to 6" diameter		per foot	\$4.80	\$0.00
3. Dug/Bored well (up to 6 feet diameter)		per foot	\$16.00	\$0.00
I. Well Installation (per foot)*				
1. Water Table (hand augered)		per foot	\$11.31	\$0.00
2. Water Table (drill rig) 2" Diameter	210	per foot	\$40.55	\$8,515.50
3. Telescoping	36	per foot	\$53.35	\$1,920.60
4. Rock Drilling		per foot	\$61.89	\$0.00
5. 2" Rock Coring		per foot	\$32.97	\$0.00
6. Rock Multi-sampling ports/screens		per foot	\$35.64	\$0.00
7. Recovery Well (4" diameter)	102	per foot	\$48.02	\$4,898.04
8. Pushed Pre-packed screen (1.25" dia)		per foot	\$16.01	\$0.00
9. Rotosonic (2" diameter)		per foot	\$46.95	\$0.00
10. Re-develop Existing Well		per foot	\$11.74	\$0.00
J. Groundwater Sample Collection / Gauge Depth to Water or Product *				
1. Groundwater Purge	37	per well	\$64.02	\$2,368.74
2. Air or Vapors		sample	\$12.80	\$0.00
3. Water Supply Sample or Duplicate	2	sample	\$23.47	\$46.94
4. Groundwater No Purge or Duplicate or Grab	2	sample	\$29.88	\$59.76
5. Gauge Well only		sample	\$7.47	\$0.00
6. Sample Below Product		sample	\$12.80	\$0.00
7. Passive Diffusion Bag		sample	\$27.74	\$0.00
8. Field Blank	2	sample	\$26.25	\$52.50
9. Groundwater (low flow purge)		sample	\$97.10	\$0.00
10. Equipment Blank		sample	\$26.25	\$0.00

K. Laboratory Analyses-Groundwater					
1. BTEXNM+Oxyg's+1,2 DCA+Eth(8260B)	42	per sample	\$130.17		\$5,467.14
2. Lead, Filtered		per sample	\$14.72		\$0.00
3. Rush EPA Method 8260B		per sample	\$163.89		\$0.00
4. Trimethal, Butyl, and Isopropyl Benzenes		per sample	\$29.88		\$0.00
5. PAH's		per sample	\$64.66		\$0.00
6. Lead		per sample	\$17.07		\$0.00
7. EDB by EPA 8011	40	per sample	\$48.23		\$1,929.20
8. EDB by EPA Method 8011 Rush		per sample	\$72.77		\$0.00
9. 8 RCRA Metals		per sample	\$67.65		\$0.00
10. TPH (9070)		per sample	\$43.75		\$0.00
11. PH		per sample	\$5.55		\$0.00
12. BOD		per sample	\$21.34		\$0.00
13. Ethanol		per sample	\$15.79		\$0.00
K. Analyses-Drinking Water					
14. BTEXNM+1,2 DCA (524.2)	4	per sample	\$132.36		\$529.44
15. 7-OXYGENATES & ETHANOL (8260B)	4	per sample	\$97.90		\$391.60
16. EDB (504.1)	3	per sample	\$84.83		\$254.49
17. RCRA METALS (200.8)		per sample	\$106.70		\$0.00
K. Analyses-Soil					
18. BTEX + Naphth.		per sample	\$68.29		\$0.00
19. PAH's		per sample	\$68.33		\$0.00
20. 8 RCRA Metals		per sample	\$60.18		\$0.00
21. TPH-DRO (3550C/8015C)		per sample	\$42.68		\$0.00
22. TPH- GRO (5035B/8015C)		per sample	\$38.37		\$0.00
23. Grain size/hydrometer		per sample	\$110.97		\$0.00
24. Total Organic Carbon		per sample	\$32.65		\$0.00
K. Analyses-Air					
25. BTEX + Naphthalene		per sample	\$230.47		\$0.00
K. Analyses-Free Phase Product					
26. Hydrocarbon Fuel Identification		per sample	\$380.92		\$0.00
L. Aquifer Characterization*					
1. Pumping Test		per hour	\$24.54		\$0.00
2. Slug Test		per test	\$203.80		\$0.00
3. Fractured Rock		per test	\$106.70		\$0.00
M. Free Product Recovery Rate Test*					
		each	\$40.55		\$0.00
N. Fate/Transport Modeling					
1. Mathematical Model		each	\$106.70		\$0.00
2. Computer Model		each	\$106.70		\$0.00
O. Risk Evaluation					
1. Tier I Risk Evaluation		each	\$320.10		\$0.00
2. Tier II Risk Evaluation		each	\$106.70		\$0.00
P. Subsequent Survey*					
	1	each	\$260.00		\$260.00
Q. Disposal (gallons or tons)*					
1. Wastewater	1000	gallon	\$0.60		\$600.00
2. Free Product		gallon	\$0.53		\$0.00
3. Soil Treatment/Disposal	10	ton	\$64.02		\$640.20
4. Drilling fluids		gallon	\$0.45		\$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. Southeast Region		standard	\$11,026.00		\$0.00
2. All Other Counties		standard	\$12,093.00		\$0.00
U. IGWA (Use DHEC 3666 form)					
1. Southeast Region		standard	\$3,803.00		\$0.00
2. All Other Counties		standard	\$4,123.00		\$0.00

22. Corrective Action (Use DHEC 3667 form)		PFP Bid		\$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)				
1. 8-hour Event*		per event	\$1,467.13	\$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. Off-gas Treatment 24 hour		per event	\$257.68	\$0.00
7. Off-gas Treatment 48 hour		per event	\$348.91	\$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. AFVR Effluent Disposal(w/chlorinated compounds)		gallon	\$0.50	\$0.00
14. AFVR Site Reconnaissance		each	\$216.87	\$0.00
15. Additional Hook-ups		each	\$27.48	\$0.00
16. AFVR Effluent Disposal		gallon	\$0.47	\$0.00
17. AFVR Mobilization/Demobilization		each	\$417.73	\$0.00
X. Granulated Activated Carbon (GAC) filter system installation & service:				
1. New GAC System Installation*		each	\$2,027.30	\$0.00
2. Refurbished GAC Sys. Install*		each	\$960.30	\$0.00
3. Filter replacement/removal*		each	\$373.45	\$0.00
4. GAC System removal, cleaning, & refurbishment*		each	\$293.43	\$0.00
5. GAC System housing*		each	\$266.75	\$0.00
6. In-line particulate filter		each	\$160.05	\$0.00
7. Additional piping & fittings		foot	\$1.60	\$0.00
Y. Well Repair				
1. Additional Copies of the Report Delivered		each	\$53.35	\$0.00
2. Repair 2x2 MW pad*		each	\$53.35	\$0.00
3. Repair 4x4 MW pad*		each	\$93.90	\$0.00
4. Replace well vault*		each	\$125.91	\$0.00
5. Replace well cover bolts		each	\$2.77	\$0.00
6. Replace locking well cap & lock		each	\$16.00	\$0.00
7. Replace/Repair stick-up*		each	\$142.98	\$0.00
8. Convert Flush-mount to Stick-up*		each	\$160.05	\$0.00
9. Convert Stick-up to Flush-mount*		each	\$138.71	\$0.00
10. Replace missing/illegible well ID plate		each	\$12.80	\$0.00
S. Report Prep & Project Management		12%	percent	\$31,890.58
TOTAL				\$35,717.45

DHEC D-4074 (1-2020) *The appropriate mobilization cost can be added to complete these tasks, as necessary



Reference: Florence East, South Carolina
 Contour Interval- 2 Meters
 USGS 7.5 Min. Quad

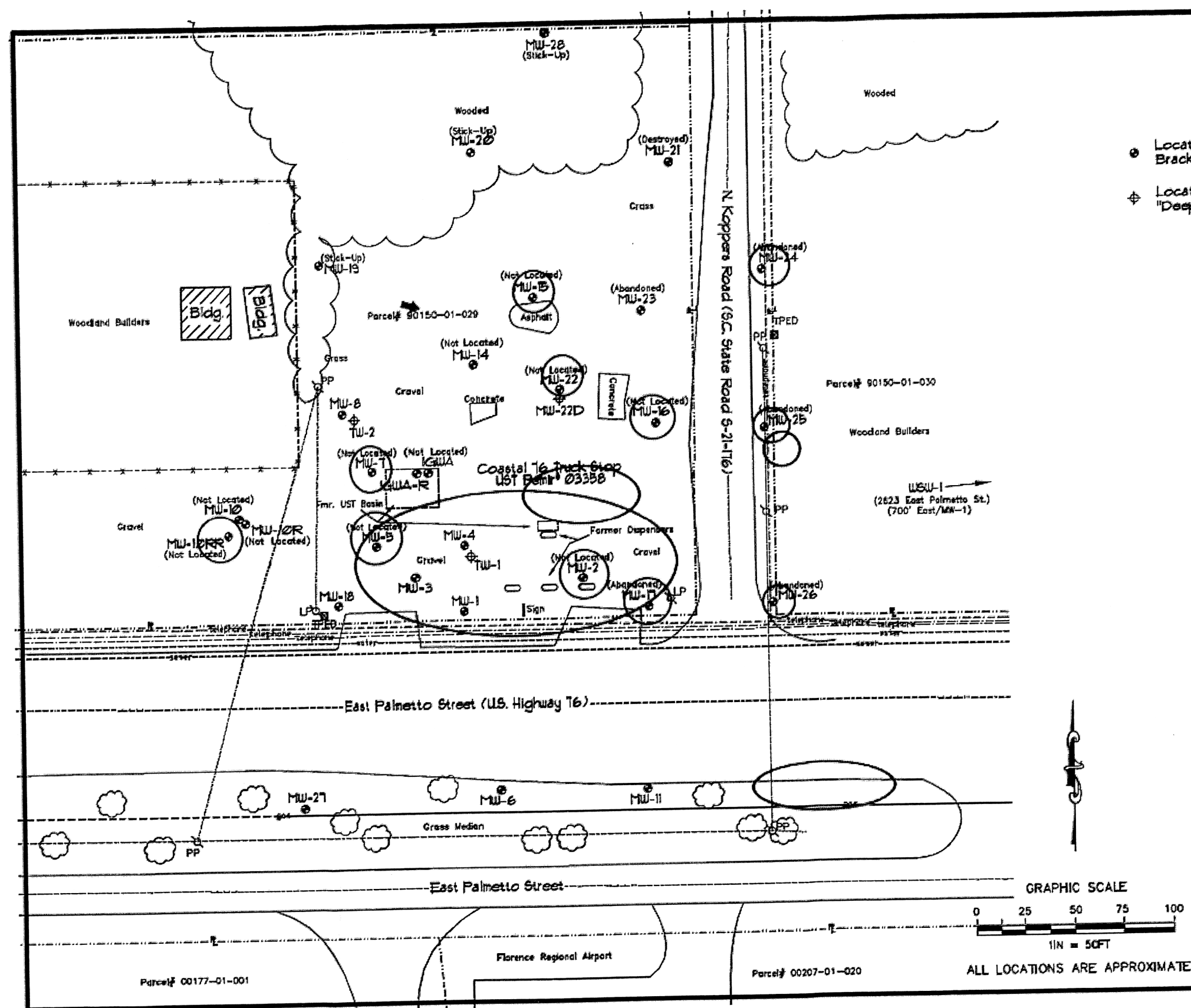
Midlands
 Environmental
 Consultants, Inc.

Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 SCDHEC Site ID# 03538

Figure 1

MECI 19-7034



Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

Coastal Mart 16 Truck Stop
2913 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03338

Midlands
Environmental
Consultants, Inc.

JOB NO. 18-7034
DATE July 8, 2020
PAGE

2

8/16



DAN MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

MAR 17 2021



Re: **Additional Assessment Notice to Proceed**
Coastal Truck Stop 76, 2513 E Palmetto St., Florence, SC
UST Permit #03538; CA #62860; UMW-28344
Release #1 reported September 27, 1995
Site Specific Work Plan received January 6, 2021
Florence County

Dear Mr. McEachin:

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. All work should be conducted in accordance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and in compliance with all applicable regulations. A copy of the current revision of the UST QAPP is available at SCDHEC.gov/Environment/LW/UST/ReleaseAssessmentClean-up/QualityAssurance/

The Additional Assessment should begin immediately upon receipt of this letter. A monitoring well approval has been enclosed for the monitoring well installation. The above referenced cost agreement number has been approved for the amount shown on the enclosed cost agreement form.

The Contractor must provide the UST Project Manager with a Project Status Report on a weekly basis via e-mail or notify the UST Project Manager via email 4 days prior to initiation of any site rehabilitation activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes.

The Additional Assessment report, contractor checklist (QAPP Appendix K), and invoice should be submitted to the UST Division within ninety (90) days of the date of this correspondence. The report submitted at the completion of these activities should include the required information outlined in the UST QAPP.

Your contractor can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. By law, the SUPERB Account cannot compensate any costs that are not pre-approved. If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that no costs will be allowed unless prior approval from the UST Division is obtained. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be pre-approved by the 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 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 above listed UST Permit number. Should you have any questions regarding this correspondence, please feel free to contact me by phone at (803) 898-0592, by fax at (803) 898-0673, or by email at edgarsk@dhec.sc.gov.

Sincerely,



Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Approved Cost Agreement (ACA)
 Monitoring Well Approval (MWA)

cc: Midlands Environmental Consultants, Inc., PO Box 854, Lexington, S 29071 (w/ enc)
 Technical file (w/ enc)



Monitoring Well Approval

Approval is granted to: Midlands Environmental Consultants, Inc.

On behalf of: Dan McEachin

Facility: Coastal Truck Stop 76, 2513 E Palmetto St., Florence, SC

UST Permit: #03538

County: Florence

This approval is for the installation of fourteen shallow, one deep, and six recovery groundwater monitoring wells. The monitoring wells are to be installed in the approved locations. Monitoring wells are to be installed following the South Carolina Well Standards, R.61-71, and the applicable guidance documents.

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

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the UST Division shall be completed and submitted to the UST Division within 30 days after well completion or abandonment unless another schedule has been approved by the UST Division. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
4. All analytical data and water levels obtained from each monitoring well shall be submitted to the UST Division within 30 days of receipt of laboratory results unless another schedule has been approved by the UST Division as required by R.61-71.H.1.d.
5. If any of the information provided to the UST Division changes, notification to Sedona Edgar, the project manager (phone: (803) 898-0592 or email: edgarsk@dhec.sc.gov) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.
7. UST Division approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated May 27, 2016. A copy of this approval should be on the site during well installation.

Date of Issuance: February 24, 2021

Approval #: UMW-28344


Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Approved Cost Agreement**62860**

Facility: 03538 COASTAL 76 TRUCK STOP

EDGARSK

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION					
		1 SITE SPECIFIC WORK PLAN	1.0000	\$160.050	160.05
D MOB/DEMOB					
		1 EQUIPMENT	1.0000	\$1,088.340	1,088.34
		2 PERSONNEL	6.0000	\$451.340	2,708.04
I WELL INSTALLATION					
		2 WATER TABLE DRILL RIG 2" DIA	210.0000	\$40.550	8,515.50
		3 TELESCOPING	36.0000	\$53.350	1,920.60
		7 RECOVERY WELL (4" DIAMETER)	102.0000	\$48.020	4,898.04
J SAMPLE COLLECTION					
		1 GROUND WATER PURGE	37.0000	\$64.020	2,368.74
		3 WATER SUPPLY SAMPLE/ DUPLICATE	2.0000	\$23.470	46.94
		4 GROUNDWATER NO-PURGE/DUPL/GRAB	2.0000	\$29.880	59.76
		8 FIELD BLANK	2.0000	\$26.250	52.50
K ANALYSES					
	DW DRINKING WATER	14 BTEXNM+1,2 DCA (524.2) WSW	4.0000	\$132.360	529.44
		15 OXYGENATES & ETHANOL 8260B WSW	4.0000	\$97.900	391.60
		16 EDB (504.1) WSW	3.0000	\$84.830	254.49
	GW GROUNDWATER	1 BTEXNM+OXYGS+1,2-DCA+ETH-8260B	42.0000	\$130.170	5,467.14
		7 EDB BY EPA 8011	40.0000	\$48.230	1,929.20
P SUBSEQUENT SURVEY					
		P SUBSEQUENT SURVEY	1.0000	\$260.000	260.00
Q DISPOSAL					
		1 WASTEWATER	1,000.0000	\$0.600	600.00
		3 SOIL TREATMENT DISPOSAL	10.0000	\$64.020	640.20
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$31,890.580	3,826.87
Total Amount					35,717.45

Document Receipt Information



Hard Copy



CD



Email

Date Received

5-12-21

Permit Number

03538

Project Manager

Sedona Edgar

Name of Contractor

MECI

Docket Number

684ech

Document Title

Additional Assessment

Scanned

ADDITIONAL ASSESSMENT REPORT

Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC SITE ID 03538
CA # 62860

Prepared By:



231 Dooley Road, Lexington, SC 29073
(803) 808-2043 fax: 808-2048

May 3, 2021

MECI Project No. 20-7518



May 3, 2021

Ms. Sedona Edgar, Hydrogeologist
Assessment & Non-Permitted Petroleum Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

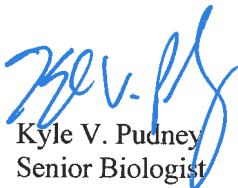
Subject: Additional Assessment Report
Coastal 76 Truck Stop
2513 E. Palmetto Street
Florence, South Carolina
SCDHEC Site ID# 03538, CA # 62860
MECI Project Number 20-7518
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Edgar,

On behalf of Mr. Dan McEachin, Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Additional Assessment Report for the referenced site. This report describes assessment activities conducted at the site and results of those activities in general accordance with South Carolina Department of Health and Environmental Control (SCDHEC) guidelines, including adherence to the UST Division Programmatic Quality Assurance Program Plan (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,
Midlands Environmental Consultants, Inc.



Kyle V. Pudney
Senior Biologist



Bryan T. Shane, P.G.
Principal Geologist

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**APPENDIX C – TAX MAP DATA
**APPENDIX D – SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS
APPENDIX E – WELL LOGS & 1903 FORMS
**APPENDIX F – AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
APPENDIX G – DISPOSAL MANIFESTS
**APPENDIX H – LOCAL ZONING REGULATIONS
**APPENDIX I – FATE & TRANSPORT MODELING
APPENDIX J – ACCESS AGREEMENTS
APPENDIX K – DATA VERIFICATION CHECKLIST

NOTE: ITEMS LISTED WITH AN ** BESIDE IT WERE NOT NEEDED AS A PART OF THIS SCOPE OF WORK

1.0 INTRODUCTION

A. Owner/Operator Information

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 E. Palmetto Street
Name: Dan McEachin
Address: 1007 Wentworth Drive, Florence, SC 29501
Telephone #: Contact: Dan McEachin (803) 651-8835

B. Property Owner Information

Name Squeaky Shrimp LLC
Tax Map #: Florence Co. Tax Map #: 90150-01-029
Address 180 N. Irby Street, Florence, SC 29501
Telephone #: Contact: Dan McEachin (803) 651-8835

C. Contractor Information

Name: Midlands Environmental Consultants, Inc.
Certification #: 9
Address: P. O. Box 854, Lexington, SC 29071
Telephone #: (803) 808-2043

D. SCDHEC Certified Well Driller

Name: N/A
Driller: N/A
Certification #: N/A
Address: N/A
Telephone #: N/A

E. SCDHEC Certified Laboratory

Name: Pace Analytical Services, LLC
Certification #: 99006001
Address: 9800 Kinney Ave. Suite 100, Huntersville, NC 28078
Telephone #: (704) 875-9092

1.1 PROJECT INFORMATION

The subject site (Coastal 76 Truck Stop) is located at 2513 East Palmetto Street, Florence, Florence County, South Carolina. The following table represents Underground Storage Tanks (UST'S) which are associated with the subject site.

Tank #	Capacity/Product	In Use/Abandoned	Tank Status
1	2,000 Gallon Gasoline	Abandoned	Removed (9/1995)
2	3,000 Gallon Gasoline	Abandoned	Removed (9/1995)
3	1,000 Gallon Gasoline	Abandoned	Removed (9/1995)
4	1,000 Gallon Diesel	Abandoned	Removed (9/1995)

The South Carolina Department of Health and Environmental Control (SCDHEC) reported a release of petroleum product on September of 1995 and confirmed this release in August of 1997. The subject site is currently rated a Class 2BB.

The above project information is based on MECI field notes and SCDHEC files.

2.0 SURROUNDING PROPERTY USAGE

The subject site is located inside the city limits of Florence, Florence County, South Carolina. East Palmetto Street (U.S. Highway 76) forms the southern border of the site, beyond which is the Florence County Regional Airport. North Koppers Road (SC State Rd. S-21-176) forms the eastern border of the site, beyond which are commercial properties. Commercial properties border the site to the west. North of the site is wooded and undeveloped.

Identified potential receptors at the referenced site include one water supply well. The following table identifies water supply well and the physical address of their locations:

Water Supply Well Number	Well Owner	Florence County Tax Map Number:	Notes:	Well Status
WSW-1	Ken-Co Homes of Florence, LLC.	90150-01-031	2623 East Palmetto Street/700' Feet East	Active/Sampled

This water supply well (WSW-1) is located approximately 330 feet east of the subject site.

3.0 AREA GEOLOGY AND HYDROGEOLOGY

The mean elevation of the property as depicted on the local USGS quadrangle (Florence, SC) appears to be approximately 45 meters feet above sea level. The site is located in the Coastal Plain Physiographic Province, which is generally comprised of Upper Cretaceous to present aged, wedge shaped formations that begin at the "Fall Line" and dip towards the Atlantic Ocean with ground surface elevations typically less than 300 feet. The sedimentary soils of these formations consist of unconsolidated sand, clay, gravel, marl, cemented sands, and limestone that were deposited unconformably over Mesozoic/Paleozoic age basement rock consisting of granite, schist, and gneiss similar to the rocks of the Piedmont Physiographic Province. The thickness of the Coastal Plain sediments varies from zero at the "Fall Line" to more than 4,000 feet at the southern tip of South Carolina near Hilton Head Island.

The Coastal Plain province was formed during Quaternary, Tertiary, and late Cretaceous geologic periods and can be divided generally into three subunits: Upper Coastal Plain, Middle Coastal Plain, and Lower Coastal Plain. The Lower Coastal Plain comprises approximately one-half of the entire Atlantic Coastal Plain of South Carolina and is separated from the middle coastal plain by the Surry Scarp, a seaward facing scarp with a toe elevation of 90 to 100 feet. The Middle Coastal Plain and the Upper Coastal Plain each compose approximately one fourth of the Coastal Plain area and are separated by the Orangeburg Scarp, a seaward facing scarp with a toe elevation of 250 to 270 feet.

The Lower Coastal Plain is typically identified as the area east of the Surry Scarp below elevation 100 feet, with a vertical stratigraphic sequence overlying the basement rock consisting of unconsolidated Cretaceous, Tertiary, and Quaternary sedimentary deposits. The surface deposits of the Lower Coastal Plain were formed during the Quaternary period which was characterized by the formation of the Carolina Bays and scarps throughout the east coast

due to sea level rise and fall, the formation of the barrier islands, and the formation of flood plains from major rivers. Preceding the Quaternary period, limestone was deposited in the Lower Coastal Plain.

The Middle Coastal Plain is typically identified as the area between the Orangeburg Scarp and the Surry Scarp and falls between elevation 100 feet and 270 feet. The vertical stratigraphic sequence overlying the basement rock consists of unconsolidated Cretaceous and Tertiary sedimentary deposits formed as a result of scouring from the regressive cycles of the Ocean as it retreated. During the Eocene epoch of the Tertiary period, limestone was deposited in the Middle Coastal Plain.

The Upper Coastal Plain is typically identified as the area between the “Fall Line” and the Orangeburg Scarp and falls between elevations 270 feet and 300 feet. The Upper Coastal Plain was formed during the Tertiary and late Cretaceous periods and is marked by the formation of the Sandhills dunes as a result of fluvial deposits over the Coastal Plain consisting of marine sediments, limestone, and sand.

3.1 LOCAL SUBSURFACE CONDITIONS

The subject site is located in the Middle Coastal Plain. According to Newell et al. (In Review), the site is located within the Bear Bluff Formation. The Bear Bluff Formation is a Pliocene aged secondary unit which generally consists of gray to cream fossiliferous, coarse-grained calcareous sand and sandy limestone. Unconformably the Bear Bluff Formation overlies the Peedee Formation and is underlain by the Canepatch, Conway and Waccamaw Formations.

Coastal plain sediments were encountered during drilling activities conducted at the site. A generalized vertical profile to the investigated depth of 36’ feet below ground surface (BGS) is as follows:

Depth (Feet BGS)	Generalized Soil Description
0.0’-3.0’	Black, Fine to Medium Grained SAND
3.0’-10.0’	Tan & Brown, Fine to Medium SAND
10.0’-15.0’	Orange & Red, Clayey Fine SAND
15.0’-36.0’	Tan & Brown, Fine SAND

The above descriptions provide a general summary of the subsurface conditions encountered. The attached Test Boring Records (Appendix E) contain detailed information recorded at each new monitoring well location. The Test Boring Records represent our interpretation of the field logs based on examination of the field samples. The lines designating the interfaces between various strata represent approximate boundaries, and the transition between strata may be gradational.

On April 20, 2021, stabilized groundwater levels were measured in the monitoring wells. Depth to groundwater ranged from 3.42 to 8.94 feet below top of casing in the wells measured. The groundwater measurements are summarized in tabular form in Table 2 and on Figure 5. Groundwater levels may fluctuate several feet with seasonal and rainfall variations and with change in the water level of adjacent drainage features. Normally, the highest groundwater levels occur in late winter and spring. The lowest levels occur in late summer and fall.

Locally, in the surficial aquifer, groundwater discharges into streams, lakes or springs where the groundwater table intersects lows occupied by these water bodies. The apparent direction (based on

the current hydraulic gradient) of groundwater flow from the release is to the east towards drainage features associated with Canal Branch.

4.0 FIELD EXPLORATION

Field exploration conducted at the site included:

- installation of twenty additional wells;
- comprehensive sampling of the entire monitoring well network and nearby receptor;
- chemical analyses of groundwater samples;
- a subsequent survey of the site; and
- monitoring well pad replacement.

4.1 MONITORING WELL INSTALLATION

On April 13-15, 2021, thirteen single-cased monitoring wells, one double-cased deep monitoring well, and six groundwater recovery wells were installed at the referenced site to better define the contaminant plume emanating from the site and to provide extraction wells for Aggressive Fluid and Vapor Recovery (AFVR) events. These wells were installed by Environmental Drilling and Probing Services, LLC. of Charlotte, North Carolina (S.C. Driller Certification: Jared Pawless # D 02100). The wells were installed utilizing a Geoprobe® 7822DT. Single cased monitoring wells were installed utilizing 7.5"-inch outer diameter hollow stem augers. This includes monitoring wells MW02R, MW05R, MW07R, MW10RRR, MW15R, MW16R, MW17R, MW22R, MW24R, MW25R, MW26R, MW29, and MW30. Recovery wells RW01 through RW06 were installed utilizing 10.0"-inch outer diameter hollow stem augers to complete the borehole. One "Deep" monitoring well (MW25D) was installed as a double-cased monitoring well. During construction, a 6-inch outer casing was advanced to the appropriate depth utilizing a 10.0" inch hollow-stem augers and grouted in-place. The grout was allowed to cure and the remainder of the depth of the borehole was achieved using mud-rotary techniques, employing a 4 5/8"-inch drag bit.

The following table presents well installation details:

Well Number	Single Cased	Double Cased	Screened Interval	Total Depth (ft)
03538-MW02R	X		3.00-18.00	17.88'
03538-MW05R	X		3.00-18.00	18.15'
03538-MW07R	X		3.00-18.00	17.90'
03538-MW10RRR	X		3.00-18.00	18.02'
03538-MW15R	X		2.00-17.00	16.94'
03538-MW16R	X		2.00-17.00	17.14'
03538-MW17R	X		3.00-18.00	18.20'
03538-MW22R	X		2.00-17.00	16.85'
03538-MW24R	X		2.00-17.00	16.95'
03538-MW25R	X		3.00-18.00	18.13'
03538-MW25D		X	31.00-36.00	36.20'
03538-MW26R	X		3.00-18.00	17.98'
03538-MW29	X		3.00-18.00	17.91'
03538-MW30	X		3.00-18.00	18.07'

Well Number	Single Cased	Double Cased	Screened Interval	Total Depth (ft)
03538-RW01	X		3.00-18.00	18.04'
03538-RW02	X		3.00-18.00	17.84'
03538-RW03	X		3.00-18.00	17.87'
03538-RW04	X		3.00-18.00	17.79'
03538-RW05	X		3.00-18.00	17.88'
03538-RW06	X		3.00-18.00	17.96'

Representative portions of soil samples were screened with a Photo Ionization Detector (PID) and classified by MECI personnel. Test boring records showing soil descriptions and screening results are attached in Appendix E.

Drill cuttings were containerized and transported to Richland County Landfill in Elgin, SC by MECI personnel on April 16, 2021. A total of 2.91 tons was disposed of in this manner. A disposal manifest for these soils is attached at the end of this report.

Following completion of the monitoring wells, the wells were developed by purging until they were determined to be functioning properly and turbidity was reduced. These wells were developed utilizing a Mini-Monsoon submersible well pump. The drum of purge water was treated by MECI personnel using a granular activated carbon drum. A total of 320.00 gallons of purge/development water was disposed of in this manner. A disposal manifest for the treated purge water is presented in Appendix G.

4.2 SAMPLING AND CHEMICAL ANALYSES

On April 20, 2021, MECI personnel collected groundwater samples from thirty-five (35) monitoring wells and one (1) water supply well at the subject site. During sampling activities, several monitoring wells were unable to be located (Please See Site Activity Summary Sheets for Details). As directed by SCDHEC, all monitoring wells were to be purged prior to sample collection. During sampling activities, thirty-four (34) monitoring wells were purged prior to sample collection. Monitoring well IGWA-R was unable to be purged due to an obstruction at 5.30 feet below the top of casing.

Prior to sampling, MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, water temperature, and turbidity were obtained before well sampling process. MECI utilized YSI Pro20 meter for DO (mg/L) and temperature readings (°C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with SCDHEC's most recent revision of the Quality Assurance Program Plan for the Underground Storage Tank Management Division and MECI's most recent revision of Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, LLC of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well:

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
							Analyte Sampled						
03538-IGWA						X							
03538-IGWAR		X					X	X	X	X			
03538-MW01	X						X	X	X	X			
03535-MW02R	X						X	X	X	X			
03538-MW03	X						X	X	X	X			
03538-MW04	X						X	X	X	X			
03538-MW05R	X						X	X	X	X			
03538-MW06	X						X	X	X	X			
03538-MW07R	X						X	X	X	X			
03538-MW08	X						X	X	X	X			
03538-MW09						X							
03538-MW10RRR	X						X	X	X	X			
03538-MW11	X						X	X	X	X			
03538-MW14						X							
03538-MW15R	X						X	X	X	X			
03538-MW16R	X						X	X	X	X			
03538-MW17R	X						X	X	X	X			
03538-MW18	X						X	X	X	X			
03538-MW19	X						X	X	X	X			
03538-MW20	X						X	X	X	X			
03538-MW21						X							
03538-MW22R	X						X	X	X	X			
03538-MW22D	X						X	X	X	X			
03538-MW24R	X						X	X	X	X			
03538-MW25R	X						X	X	X	X			
03538-MW25D	X						X	X	X	X			
03538-MW26	X						X	X	X	X			
03538-MW27	X						X	X	X	X			
03538-MW28	X						X	X	X	X			
03538-MW29	X						X	X	X	X			
03538-MW30	X						X	X	X	X			
03538-TW01	X						X	X	X	X			
03538-TW02	X						X	X	X	X			
03538-RW01	X						X	X	X	X			
Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes MTBE=Methyl tertiary butyl ether 1,2 DCA = 1,2 Dichloroethane EDB = Ethylene Dibromide													

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE (EPA Method 8260-B)	EDB (EPA Method 8011)	1,2 DCA (EPA Method 8260-B)	8 Oxygenates (EPA Method 8260-B)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
Analyte Sampled													
03538-RW02	X						X	X	X	X			
03538-RW03	X						X	X	X	X			
03538-RW04	X						X	X	X	X			
03538-RW05	X						X	X	X	X			
03538-RW06	X						X	X	X	X			
DUP-1(MW02R)		X					X	X	X	X			
DUP-2(RW05)		X					X	X	X	X			
Field Blank							X	X	X	X			
Trip Blank 1							X		X	X			
Trip Blank 2							X		X	X			
03538-WSW01										X		X	X
WSW01 DUP										X		X	X
WSW Field Blank										X		X	X
WSW Trip Blank										X		X	
Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes MTBE=Methyl tertiary butyl ether 1,2 DCA = 1,2 Dichloroethane EDB = Ethylene Dibromide													

The results of the laboratory analyses are summarized in Table 3 and presented in Appendix B.

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 571.00 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is presented in Appendix G.

4.3 SITE SURVEY

On April 20, 2021, a subsequent survey was conducted by MECI personnel, utilizing a fiberglass rod, level, and tape to determine the horizontal and vertical position of the newly installed wells. Top of casing (TOC) elevations of 145.56' for 03538-MW04, 146.04' for 03538-MW06, 145.68' for 03538-MW11, and a TOC of 145.77' for 03538-TW01 were used as benchmarks for surveying the newly installed wells. Elevations were based on site datum obtained from a comprehensive survey performed by Souther Land Surveying dated December 5, 2014. See Table 2 and Figure 5 for potentiometric data. The following table presents site survey results:

Well Number	Top of Casing (TOC) Elevation
03538-MW02R	145.79'
03538-MW05R	144.77'
03538-MW07R	144.76'
03538-MW10RRR	144.75'

Well Number	Top of Casing (TOC) Elevation
03538-MW15R	144.21'
03538-MW16R	145.49'
03538-MW17R	146.75'
03538-MW22R	145.16'
03538-MW24R	145.22'
03538-MW25R	144.08'
03538-MW25D	144.60'
03538-MW26R	144.96'
03538-MW29	145.36'
03538-MW30	144.52'
03538-RW01	145.51'
03538-RW02	145.52'
03538-RW03	145.50'
03538-RW04	145.52'
03538-RW05	145.77'
03538-RW06	145.75'

4.4 MONITORING WELL PAD REPAIR

On April 15, 2021, the well pad/vault/tag for monitoring well 03538-MW01 were replaced under the direction of Mr. Jared Pawless (SC Driller's License # D 02100) of Environmental Drilling and Probing Services, Inc. of Charlotte, NC. The top of casing elevation was not disturbed, therefore, a subsequent survey for the monitoring well was not necessary.

5.0 TEST RESULTS AND EVALUATION

The following sections discuss groundwater test results for the subject site.

5.1 GROUNDWATER ANALYTICAL RESULTS

As discussed in section 4.1, groundwater samples obtained from the monitoring well network were analyzed for dissolved phase petroleum constituents. The analytical results indicate petroleum impact to the surficial aquifer ("Shallow" Zone), with the highest dissolved concentrations being detected in the area of MW01 and RW02. Of the thirty-five monitoring wells sampled, fourteen monitoring wells (MW01, MW02R, MW03, MW04, MW05R, MW17R, MW22R, MW25D, RW01, RW02, RW03, RW04, RW05, and RW06) detected petroleum constituents above Risked Based Screening Levels (RBSL's). Petroleum constituents detected above the established RBSL include:

Compound	RBSL/SCAL (ug/l)	Wells Above RBSL
Benzene	5	MW01, MW02R, MW03, MW04, MW17R, MW22R, MW25D, RW01, RW02, RW03, RW04, RW05, & RW06
Toluene	1,000	MW01, MW02R, MW03, RW01, RW02, RW05, & RW06
Ethylbenzene	700	MW01, MW02R, MW03, RW01, RW02, RW05, & RW06
Total Xylenes	10,000	MW02R & RW02
Naphthalene	25	MW01, MW03, MW04, MW05R, MW07R, MW17R, RW01, RW02, RW03, RW04, RW05 & RW06
MTBE	40	MW17R & MW22R
1,2 DCA	5	None
EDB	0.05	MW01, MW02R, MW03, MW04, MW17R, RW01, RW02, RW03, RW04, RW05 & RW06
Lead	15	Not Analyzed
TAA	240	MW17R & RW04
TAME	128	None
ETBA	NE	RBSL Not Established
TBA	1,400	None
TBF	NE	RBSL Not Established
DIPE	150	None
Ethanol	10,000	None
ETBE	47	None

In addition, the analytical results also detected petroleum constituents above the laboratory method detection limit or “J” values in monitoring wells MW15R, MW16R, MW24R, MW29, MW30, and in water supply well WSW-1, however these values did not exceed the established RBSL’s. The results of the analyses for each monitoring well and specific parameters are listed on Table 3 and provided in Appendix B.

6.0 ASSESSMENT SUMMARY & RECOMMENDATIONS

- Impacted groundwater appears to be moving in an easterly direction toward drainage features associated with the Canal Branch, however, this flow direction changes over time and can be generally radial to semi-radial.
- Free phase petroleum product was not detected in any of the monitoring wells during sampling activities. The highest concentrations of dissolved phase contaminants appear to be located in the vicinity of wells 03538-MW01 and 03538-RW02. Constituents of concern include Benzene, Toluene, Ethylbenzene, Xylenes, Naphthalene, MTBE, EDB and TAA.
- Of the thirty-six monitoring points sampled, fourteen points (MW01, MW02R, MW03, MW04, MW05R, MW17R, MW22R, MW25D, RW01, RW02, RW03, RW04, RW05, and RW06) detected petroleum constituents above Risked Based Screening Levels (RBSL’s). In addition, the analytical results also detected petroleum constituents above the laboratory method detection limit or “J” values in monitoring wells MW15R, MW16R, MW24R, MW29, MW30, and in water supply well WSW-1, however these values did not exceed the establish RBSL’s.
- Since the June 29, 2020 groundwater sampling event, CoC concentrations have decreased in monitoring wells 03538-IGWAR and 03538-MW04 and increased in monitoring well 03538-MW01. The remainder of the wells have generally remained constant.

- Due to the continued presence of MTBE in water supply well WSW01, MECI believes WSW01 should be either abandoned or fitted with a granular carbon filtration system.
- MECI also recommends a series of AFVR events on the newly installed recovery wells along with monitoring wells MW01 and MW02R to reduce elevated petroleum constituents of concern.
- Following the recommended AFVR events, MECI recommends continued monitoring of the well network and receptor to establish trends in groundwater contaminant concentrations and to determine if concentrations are attenuating naturally.

7.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. The general subsurface conditions utilized in our evaluation have been based on interpretation of subsurface data between borings. Contents of this report are intended for the sole use of Mr. Dan McEachin, MECI and SCDHEC under mutually agreed upon terms and conditions. If other parties wish to rely on this report, please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

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TABLES

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 20-7518
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
IGWA	9/29/1999	TD: 16.74	NA	NA	0.21	145.19	NA
	2/20/2012		-	DRY	-	145.19	DRY
	6/26/2012		-	NM	-	145.19	NM
	12/3/2012		-	11.98	-	145.19	133.21
	12/13/2014		-	12.15	-	145.19	133.04
	8/31/2015		-	13.78	-	145.19	131.41
	6/1/2016		-	4.61	-	145.19	140.58
	4/4/2017		-	8.48	-	145.19	136.71
	4/4/2018		-	11.10	-	145.19	134.09
	6/29/2020		-	NL	-	145.19	NL
	4/20/2021		-	NL	-	145.19	NL
IGWA-R	9/29/1999	11-21	-	14.10	-	145.14	131.04
	2/20/2012		-	NM	-	145.14	NM
	6/26/2012		-	14.10	-	145.14	131.04
	12/3/2012		-	11.93	-	145.14	133.21
	12/13/2014		-	12.10	-	145.14	133.04
	8/31/2015		-	NM	-	145.14	NM
	6/1/2016		-	4.49	-	145.14	140.65
	4/4/2017		-	8.52	-	145.14	136.62
	4/4/2018		-	11.09	-	145.14	134.05
	6/29/2020		-	3.62	-	145.14	141.52
	4/20/2021		-	3.75	-	145.14	141.39
MW-1	9/29/1999	TD: 17.80	-	13.31	-	145.87	132.56
	2/20/2012		-	DRY	-	145.87	DRY
	6/26/2012*		14.69	14.71	0.02	145.87	131.18
	12/2/2012		-	12.54	-	145.87	133.33
	12/13/2014		-	12.75	-	145.87	133.12
	8/31/2015		-	12.31	-	145.87	133.56
	6/1/2016		-	5.16	-	145.87	140.71
	4/4/2017		-	9.24	-	145.87	136.63
	4/4/2018		-	11.62	-	145.87	134.25
	6/29/2020		-	4.31	-	145.87	141.56
	4/20/2021		-	6.02	-	145.87	139.85
MW-2	9/29/1999	TD: 18.30	-	13.63	-	145.19	131.56
	2/20/2012		-	DRY	-	145.19	DRY
	6/26/2012		-	14.04	-	145.19	131.15
	12/2/2012		-	12.34	-	145.19	132.85
	12/13/2012		-	12.36	-	145.19	132.83
	8/31/2015		-	12.17	-	145.19	133.02
	6/1/2016		-	4.57	-	145.19	140.62
	4/4/2017		-	7.95	-	145.19	137.24
	4/4/2018		-	11.00	-	145.19	134.19
MW-2R	6/29/2020		-	NL	-	145.19	NL
MW-2R	4/20/2021	3.00-18.00	-	6.00	-	145.79	139.79
MW-3	9/29/1999	TD: 18.20	-	13.13	-	145.51	132.38
	2/20/2012*		17.80	18.20	0.40	145.51	127.65
	6/26/2012*		14.18	14.19	0.01	145.51	131.33
	12/2/2012		-	12.67	-	145.51	132.84
	12/13/2014		-	12.39	-	145.51	133.12
	8/31/2015		-	12.06	-	145.51	133.45
	6/1/2016		-	4.68	-	145.51	140.83
	4/4/2017		-	8.73	-	145.51	136.78
	4/4/2018		-	11.30	-	145.51	134.21
	6/29/2020		-	3.88	-	145.51	141.63
	4/20/2021		-	5.62	-	145.51	139.89

TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 20-7518
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-4	9/29/1999	TD:18.35	-	12.91	-	145.56	132.65
	2/20/2012*		17.56	17.58	0.02	145.56	128.00
	6/26/2012		-	14.35	-	145.56	131.21
	12/2/2013		-	12.26	-	145.56	133.30
	12/13/2012		-	12.43	-	145.56	133.13
	8/31/2015		-	12.24	-	145.56	133.32
	6/1/2016		-	NL	-	145.56	NL
	4/4/2017		-	8.86	-	145.56	136.70
	4/4/2018		-	11.27	-	145.56	134.29
	6/29/2020		-	3.94	-	145.56	141.62
	4/20/2021		-	5.84	-	145.56	139.72
MW-5	9/29/1999	8.29-18.29	-	12.54	-	145.11	NA
	2/20/2012		-	17.05	-	145.11	128.06
	6/26/2012		-	13.90	-	145.11	131.21
	12/3/2014		-	NL	-	145.11	NL
	12/13/2014		-	NL	-	145.11	NL
	8/31/2015		-	NL	-	145.11	NL
	6/1/2016		-	4.35	-	145.11	140.76
	4/4/2017		-	8.45	-	145.11	136.66
	4/4/2018		-	10.34	-	145.11	134.77
	6/29/2020		-	NL	-	145.11	NL
MW-5R	4/20/2021	3.00-18.00	-	4.80	-	144.77	139.97
MW-6	9/29/1999	8.29-18.29	-	13.04	-	146.04	133.00
	2/20/2012		-	DRY	-	146.04	DRY
	6/26/2012		-	14.65	-	146.04	131.39
	12/2/2013		-	12.67	-	146.04	133.37
	12/13/2012		-	12.91	-	146.04	133.13
	8/31/2015		-	12.54	-	146.04	133.50
	6/1/2016		-	5.13	-	146.04	140.91
	4/4/2017		-	9.60	-	146.04	136.44
	4/4/2018		-	11.84	-	146.04	134.20
	6/29/2020		-	4.46	-	146.04	141.58
	4/20/2021		-	5.23	-	146.04	140.81
MW-7	9/29/1999	8.38-18.38	-	NA	-	144.61	NA
	2/20/2012		-	16.54	-	144.61	128.07
	6/26/2012		-	13.45	-	144.61	131.16
	12/3/2012		-	11.20	-	144.61	133.41
	12/13/2014		-	11.47	-	144.61	133.14
	8/31/2015		-	11.15	-	144.61	133.46
	6/1/2016		-	3.97	-	144.61	140.64
	4/4/2017		-	NL	-	144.61	NL
	4/4/2018		-	10.40	-	144.61	134.21
	6/29/2020		-	3.00	-	144.61	141.61
MW-7R	4/20/2021	3.00-18.00	-	4.84	-	144.76	139.92
MW-8	9/29/1999	8.29-18.29	-	11.54	-	143.78	132.24
	2/20/2012		-	15.59	-	143.78	128.19
	6/26/2012		-	12.62	-	143.78	131.16
	12/3/2012		-	10.43	-	143.78	133.35
	12/13/2014		-	10.61	-	143.78	133.17
	8/31/2015		-	10.32	-	143.78	133.46
	6/1/2016		-	3.08	-	143.78	140.70
	4/4/2017		-	6.93	-	143.78	136.85
	4/4/2018		-	9.41	-	143.78	134.37
	6/29/2020		-	2.18	-	143.78	141.60
	4/20/2021		-	3.98	-	143.78	139.80

TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 20-7518
SCDHEC SITE ID NUMBER 03538

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-9	9/29/1999	8.33-18.33	-	12.08	-	NA	NA
	2/20/2012		-	NL	-	NL	NL
	6/26/2012		-	NL	-	NL	NL
	12/3/2012		-	NL	-	NL	NL
	12/13/2014		-	NL	-	NL	NL
	8/31/2015		-	NL	-	NL	NL
	6/1/2016		-	NL	-	NL	NL
	4/4/2017		-	NL	-	NL	NL
	4/4/2018		-	NL	-	NL	NL
	6/29/2020		-	NL	-	NL	NL
	4/20/2021		-	NL	-	NL	NL
MW-10	9/29/1999	TD: 18.25	-	NA	-	143.84	NA
	2/20/2012		-	15.65	-	143.84	128.19
	6/26/2012		-	12.41	-	143.84	131.43
	12/3/2012		-	NL	-	143.84	NL
	12/13/2014		-	NL	-	143.84	NL
	8/31/2015		-	NL	-	143.84	NL
	6/1/2016		-	NL	-	143.84	NL
	4/4/2017		-	NL	-	143.84	NL
	4/4/2018		-	NL	-	143.84	NL
MW-10R	12/3/2014	TD:11.61	-	10.50	-	143.81	133.31
	12/13/2014		-	10.62	-	143.81	133.19
	8/31/2015		-	10.29	-	143.81	133.52
	6/1/2016		-	NL	-	143.81	NL
	4/4/2017		-	NL	-	143.81	NL
	4/4/2018		-	NL	-	143.81	NL
MW-10RR	4/4/2018	7.00-17.00	-	9.91	-	144.36	134.45
	6/29/2020		-	DESTROYED	-	144.36	DESTROYED
MW-10RRR	4/20/2021	3.00-18.00	-	4.68	-	144.75	140.07
MW-11	9/29/1999	8.42-18.42	-	12.75	-	145.68	132.93
	2/20/2012		-	17.85	-	145.68	127.83
	6/26/2012		-	14.39	-	145.68	131.29
	12/3/2014		-	12.64	-	145.68	133.04
	12/13/2014		-	12.70	-	145.68	132.98
	8/31/2015		-	13.69	-	145.68	131.99
	6/1/2016		-	5.36	-	145.68	140.32
	4/4/2017		-	9.38	-	145.68	136.30
	4/4/2018		-	11.62	-	145.68	134.06
	6/29/2020		-	4.28	-	145.68	141.40
	4/20/2021		-	6.01	-	145.68	139.67
MW-14	9/29/1999	8.29-18.29	-	11.87	-	144.36	132.49
	2/20/2012		-	16.35	-	144.36	128.01
	6/26/2012		-	NL	-	144.36	NL
	12/3/2012		-	NL	-	144.36	NL
	12/13/2014		-	11.39	-	144.36	132.97
	8/31/2015		-	13.11	-	144.36	131.25
	6/1/2016		-	3.43	-	144.36	140.93
	4/4/2017		-	7.25	-	144.36	137.11
	4/4/2018		-	NL	-	144.36	NL
	6/29/2020		-	NL	-	144.36	NL
	4/20/2021		-	NL	-	144.36	NL
MW-15	6/26/2012	10-20	-	12.78	-	143.54	130.76
	12/3/2014		-	10.46	-	143.54	133.08
	12/13/2014		-	10.62	-	143.54	132.92
	8/31/2015		-	12.32	-	143.54	131.22
	6/1/2016		-	3.00	-	143.54	140.54
	4/4/2017		-	8.06	-	143.54	135.48
	4/4/2018		-	10.37	-	143.54	133.17
	6/29/2020		-	NL	-	143.54	NL
MW-15R	4/20/2021	3.00-18.00	-	4.48	-	144.21	139.73

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 20-7518
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-16	6/26/2012	11-21	-	13.43	-	144.33	130.90
	12/3/2014		-	11.18	-	144.33	133.15
	12/13/2014		-	11.42	-	144.33	132.91
	8/31/2015		-	14.48	-	144.33	129.85
	6/1/2016		-	NL	-	144.33	NL
	4/4/2017		-	7.51	-	144.33	136.82
	3/29/2018		-	NL	-	144.33	NL
	6/29/2020		-	NL	-	144.33	NL
MW-16R	4/20/2021	3.00-18.00	-	5.48	-	145.49	140.01
MW-17	6/26/2012	11-21	-	13.96	-	145.08	131.12
	12/3/2014		-	11.92	-	145.08	133.16
	12/13/2014		-	12.10	-	145.08	132.98
	8/31/2015		-	11.72	-	145.08	133.36
	6/1/2016		-	4.54	-	145.08	140.54
	4/4/2017		-	8.46	-	145.08	136.62
	3/29/2018		-	10.69	-	145.08	134.39
	6/29/2020		-	ABANDONED	-	145.08	ABANDONED
MW-17R	4/20/2021	3.00-18.00	-	6.71	-	146.75	140.04
MW-18	6/26/2012	11-21	-	14.44	-	145.79	131.35
	12/3/2014		-	12.42	-	145.79	133.37
	12/13/2014		-	12.60	-	145.79	133.19
	8/31/2015		-	12.28	-	145.79	133.51
	6/1/2016		-	4.93	-	145.79	140.86
	4/4/2017		-	9.11	-	145.79	136.68
	4/4/2018		-	11.45	-	145.79	134.34
	6/29/2020		-	4.11	-	145.79	141.68
	4/20/2021		-	5.86	-	145.79	139.93
MW-19	12/3/2014	2.12-12.12	-	9.79	-	143.67	133.88
	12/13/2014		-	10.66	-	143.67	133.01
	8/31/2015		-	10.74	-	143.67	132.93
	6/1/2016		-	3.13	-	143.67	140.54
	4/4/2017		-	6.68	-	143.67	136.99
	4/4/2018		-	14.85	-	148.42	133.57
	6/29/2020		-	6.11	-	148.42	142.31
	4/20/2021		-	8.88	-	148.42	139.54
MW-20	12/3/2014	4.50-14.50	-	10.97	-	143.93	132.96
	12/13/2014		-	11.17	-	143.93	132.76
	8/31/2015		-	11.80	-	143.93	132.13
	6/1/2016		-	NL	-	143.93	NL
	4/4/2017		-	NL	-	143.93	NL
	4/4/2018		-	14.26	-	148.46	134.20
	6/29/2020		-	7.00	-	148.46	141.46
	4/20/2021		-	8.94	-	148.46	139.52
MW-21	12/3/2014	2.75-12.75	-	10.38	-	143.25	132.87
	12/13/2014		-	10.60	-	143.25	132.65
	8/31/2015		-	10.91	-	143.25	132.34
	6/1/2016		-	2.63	-	143.25	140.62
	4/4/2017		-	6.34	-	143.25	136.91
	3/29/2018		-	NL	-	143.25	NL
	6/29/2020		-	NL	-	143.25	NL
	4/20/2021		-	NL	-	143.25	NL

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 20-7518
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-22	12/3/2014	5.09-15.09	-	9.92	-	145.03	135.11
	12/13/2014		-	12.16	-	145.03	132.87
	8/31/2015		-	11.53	-	145.03	133.50
	6/1/2016		-	4.31	-	145.03	140.72
	4/4/2017		-	7.54	-	145.03	137.49
	4/4/2018		-	NL	-	145.03	NL
	6/29/2020		-	NL	-	145.03	NL
MW-22R	4/20/2021	2.00-17.00	-	5.41	-	145.16	139.75
MW-22D	12/3/2014	39.23-44.23	-	13.83	-	144.89	131.06
	12/13/2014		-	13.82	-	144.89	131.07
	8/31/2015		-	13.78	-	144.89	131.11
	6/1/2016		-	6.32	-	144.89	138.57
	4/4/2017		-	10.26	-	144.89	134.63
	4/4/2018		-	NL	-	144.89	NL
	6/29/2020		-	6.80	-	144.89	138.09
MW-23	4/20/2021	1.61-11.61	-	8.21	-	144.89	136.68
	12/3/2014		-	11.90	-	143.63	131.73
	12/13/2014		-	10.77	-	143.63	132.86
	8/31/2015		-	15.00	-	143.63	128.63
	6/1/2016		-	3.22	-	143.63	140.41
	4/4/2017		-	6.79	-	143.63	136.84
	3/29/2018		-	9.62	-	143.63	134.01
MW-24	6/29/2020		-	ABANDONED	-	143.63	ABANDONED
	12/3/2014	8.42-18.42	-	10.81	-	143.78	132.97
	12/13/2014		-	11.03	-	143.78	132.75
	8/31/2015		-	DRY	-	143.78	DRY
	6/1/2016		-	3.30	-	143.78	140.48
	4/4/2017		-	6.60	-	143.78	137.18
	3/29/2018		-	9.39	-	143.78	134.39
	6/29/2020		-	ABANDONED	-	143.79	ABANDONED
MW-24R	4/20/2021	2.00-17.00	-	5.80	-	145.22	139.42
MW-25	12/3/2014	8.29-18.29	-	10.66	-	144.04	133.38
	12/13/2014		-	11.08	-	144.04	132.96
	8/31/2015		-	DRY	-	144.04	DRY
	6/1/2016		-	3.40	-	144.04	140.64
	4/4/2017		-	7.32	-	144.04	136.72
	3/29/2018		-	10.05	-	144.04	133.99
	6/29/2020		-	ABANDONED	-	144.04	ABANDONED
MW-25R	4/20/2021	3.00-18.00	-	4.19	-	144.08	139.89
MW-25D	4/20/2021	31.00-36.00	-	5.04	-	144.60	139.56
MW-26	12/3/2014	10-20	-	11.84	-	144.96	133.12
	12/13/2014		-	12.09	-	144.96	132.87
	8/31/2015		-	14.27	-	144.96	130.69
	6/1/2016		-	4.51	-	144.96	140.45
	4/4/2017		-	8.34	-	144.96	136.62
	3/29/2018		-	10.66	-	144.96	134.30
	6/29/2020		-	ABANDONED	-	144.96	ABANDONED
MW-26R	4/20/2021	3.00-18.00	-	5.89	-	145.73	139.84

**TABLE 2
POTENTIOMETRIC DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 20-7518
SCDHEC SITE ID NUMBER 03538**

Well Number	Sample Date	Screened Interval	Depth to Product (feet)	Depth to Water (feet)	Product Thickness (feet)	Well-head Elevation	Groundwater Elevation
MW-27	12/3/2014	11-21	-	11.37	-	144.77	133.40
	12/13/2014		-	11.50	-	144.77	133.27
	8/31/2015		-	14.31	-	144.77	130.46
	6/1/2016		-	3.96	-	144.77	140.81
	4/4/2017		-	8.32	-	144.77	136.45
	4/4/2018		-	11.27	-	144.77	133.50
	6/29/2020		-	3.10	-	144.77	141.67
	4/20/2021		-	3.42	-	144.77	141.35
MW-28	12/3/2014	11-21	-	9.97	-	142.71	132.74
	12/13/2014		-	10.10	-	142.71	132.61
	8/31/2015		-	10.59	-	142.71	132.12
	6/1/2016		-	NL	-	142.71	NL
	4/4/2017		-	NL	-	142.71	NL
	4/4/2018		-	13.08	-	147.16	134.08
	6/29/2020		-	5.80	-	147.16	141.36
	4/20/2021		-	7.42	-	147.16	139.74
MW-29	4/20/2021	3.00-18.00	-	5.22	-	145.36	140.14
MW-30	4/20/2021	3.00-18.00	-	5.12	-	144.52	139.40
TW-1	9/29/1999	31-36	-	12.79	-	145.77	132.98
	2/20/2012		-	17.75	-	145.77	128.02
	6/26/2012		-	14.65	-	145.77	131.12
	12/3/2014		-	NL	-	145.77	NL
	12/13/2014		-	12.69	-	145.77	133.08
	8/31/2015		-	12.26	-	145.77	133.51
	6/1/2016		-	NL	-	145.77	NL
	4/4/2017		-	9.24	-	145.77	136.53
	4/4/2018		-	11.53	-	145.77	134.24
	6/29/2020		-	4.22	-	145.77	141.55
	4/20/2021		-	5.97	-	145.77	139.80
TW-2	6/26/2012	31-36	-	13.95	-	143.98	130.03
	12/3/2014		-	10.79	-	143.98	133.19
	12/13/2014		-	11.93	-	143.98	132.05
	8/31/2015		-	11.63	-	143.98	132.35
	6/1/2016		-	3.35	-	143.98	140.63
	4/4/2017		-	7.21	-	143.98	136.77
	4/4/2018		-	10.05	-	143.98	133.93
	6/29/2020		-	2.21	-	143.98	141.77
	4/20/2021		-	4.29	-	143.98	139.69
RW-1	4/20/2021	3.00-18.00	-	5.65	-	145.51	139.86
RW-2	4/20/2021	3.00-18.00	-	5.69	-	145.52	139.83
RW-3	4/20/2021	3.00-18.00	-	5.51	-	145.50	139.99
RW-4	4/20/2021	3.00-18.00	-	5.63	-	145.52	139.89
RW-5	4/20/2021	3.00-18.00	-	5.89	-	145.77	139.88
RW-6	4/20/2021	3.00-18.00	-	5.90	-	145.75	139.85

Notes:

1. Well Head elevations obtained from SCDHEC Files.
2. Groundwater depths were measured from the top of the PVC riser pipe.
3. * Groundwater elevations corrected for the presence of free product using a specific gravity of 0.85.

4. NL = Not Located
5. NA = Information not available
6. DRY = Well Gauged DRY
7. Monitoring wells MW-17, MW-24, MW-25, and MW-26 were abandoned on 3/29/18.

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 21-7518
SCDHEC ID NUMBER 03538

Well Number	Sample Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	Naphthalene (µg/l)	MTBE (µg/l)	1,2 DCA (µg/l)	EDB (µg/l)	Lead (µg/l)	TAA (µg/l)	TAME (µg/l)	ETBA (µg/l)	TBA (µg/l)	TBF (µg/l)	DIPE (µg/l)	Ethanol (µg/l)	ETBE (µg/l)
		RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05	RBSL 0.015	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47
IGWA	09/29/99	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/03/14	1,300	6,000	630	11,000	310.0	<40	<15	2.0	65	790J	<20	<100	<670	<100	<40	<3300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	1,730	7,710	933	11,500	566	<100	<100	0.26	NT	2,740	<200	<2,000	<2,000	<1,000	<100	<4,000	<200
	06/01/16	976	6,630	646	8,210	197J	<200	<200	0.28	NT	<4,000	<400	<4,000	<2,000	<2,000	<200	<8,000	<400
	04/04/17	533	4,630	895	9,090	358	<125	<125	0.51	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/04/18	532	2,990	306	8,440	337	<200	<200	0.84	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
IGWA-R	04/20/21	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/26/12	130	790	180	980	160	<25	<25	0.71	9.0J	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	2,000	9,400	1,800	7,000	530	<40	<15	3.2	51	<2,500	<20	<2,500	<670	<100	<40	<3,300	<250
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/01/16	405	3,450	1,590	5,790	426	<125	<125	0.39	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/04/17	906	6,540	2,260	8,480	623	<250	<250	0.93	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	04/04/18	932	6,290	2,300	8,170	590	<250	<250	0.74	NT	<5,000	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
	06/29/20	115	422	68.5	707	37.7	<20.0	<20.0	0.03	NT	<4,000	<40.0	<400	<400	<200	<20.0	<800	<40.0
	04/20/21	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-1	09/29/99	19,900	26,000	2,040	12,080	592	7,400	NT	111	609	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/03/14	17,000	27,000	1,500	15,000	820	250J	<74	630	630	8,800J	<100	<500	<3,400	<500	<200	<17,000	<100
	12/13/14	NS	NS	NS	NS	NS	NS	NS	210	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	4,300	7,020	976	5,230	332	288	21.6J	6.2	NT	4,220	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	06/01/16	14,100	18,100	1,240	18,100	1,130	<1,000	<1,000	10.2	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	04/04/17	13,900	25,400	1,070	15,700	1,000	<1,000	<1,000	20.2	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	04/04/18	11,000	18,100	1,010	17,200	1,210	<1,000	<1,000	156	NT	<20,000	<2,000	<20,000	<20,000	<10,000	<1,000	<40,000	<2,000
	06/29/20	90.8	308	10.6J	313	40.1	<12.5	<12.5	0.077	NT	<250	<25.0	<250	<250	<125	<12.5	<500	<25.0
MW-2	04/20/21	5490	12600	802	7270	578	<310	<206	27.8	NT	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	09/29/99	18,500	28,300	3,360	15,270	670	19,500	NT	ND	403	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	9,800	17,000	1,300	11,000	370	1,100	240J	65	390	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	4,800	8,200	940	4,500	260	250	<15	28	150	4,200	<20	<100	<670	<100	<40	<3,300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	4,760	7,890	996	5,870	355	317	21.9	8.4	NT	4,600	<50.0	<500	420J	<250	<25.0	<1,000	<50.0
	06/01/16	2,870	3,760	364	2,500	139	281	<125	10.9	NT	2,680	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/04/17	270	21.3	39.9	49.0	23.6	36.6	<10.0	0.13	NT	259	<20.0	<200	<100	<10.0	<400	<20.0	<20.0
	04/04/18	4,070	5,900	943	4,400	165J	332	<250	22.2	NT	4,630J	<500	<5,000	<5,000	<2,500	<250	<10,000	<500
MW-2R	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-3	04/20/21	3380	12400	2680	12100	768	<310	<206	4.9	NT	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
	09/29/99	6,800	16,900	2,380	14,020	570	31.5	NT	81.1	116	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	06/26/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	12/03/14	2,000	10,000	1,600	11,000	780	<40	<15	3.2	100	2,200	<20	<100	<670	<100	<40	<3,300	<20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	4,220	7,460	972	5,810	375	312	19.9J	6.6	NT	5,120	<50.0	<500	431J	<250	<25.0	<1,000	<50.0
	06/01/16	1,620	11,200	2,020	13,000	996	<500	<500	0.91	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	04/04/17	1,580	10,900	1,810	12,000	810	<500	<500	0.97	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
	04/04/18	1,490	9,660	1,910	11,700	884	<500	<500	1.3	NT	<10,000	<1,000	<10,000	<10,000	<5,000	<500	<20,000	<1,000
MW-4	06/29/20	450	2,560	792	5,310	435	<125	<125	0.21	NT	<2,500	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	04/20/21	446	2900	768	5030	522	<77.5	<51.5	0.17	NT	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
	09/29/99	19,300	34,300	4,630	21,500	800	4,530	NT	ND	113	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD	PROD
	06/26/12	8,500	22,000	21,000	17,000	1,100	<500	<500	14	440	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	3,600	9,100	810	10,000	710	<80	<29	2.20	110	2,800J	<40	<200	<1,300	<200	<80	<6,600	<40
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	4,390	7,900	953	5,940	366	301	19.6J	6.9	NT	5,100	<50.0	<500	439J	<250	<25.0	<1,000	<50.0
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	2,210	3,800	703	5,130	363	<125	<125	1.6	NT	2,760	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
MW-4	04/04/18	1,870	4,230	503	4,600	342	<125	<125	1.0	NT	3,230	<250	<2,500	<2,500	<1,250	<125	<5,000	<250
	06/29/20	1,070	4,030	744	4,200	304	<200	<200	1.6	NT	<4,000	<400	<4,000	<4,000	<2,000	<200	<8,000	<400
	04/20/21	254	134	26.5	1310	88.6	<12.4	<8.2	0.19	NT	<262	<12.2	<216	<364	<96.4	<14.0	<576	<33.8

TABLE 3
GROUNDWATER COC CONCENTRATION DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 21-7518
SCDHEC ID NUMBER 03538

Well Number	Sample Date	Benzene (µg/l) RBSL 5	Toluene (µg/l) RBSL 1,000	Ethylbenzene (µg/l) RBSL 700	Total Xylenes (µg/l) RBSL 10,000	Naphthalene (µg/l) RBSL 25	MTBE (µg/l) RBSL 40	1,2 DCA (µg/l) RBSL 5	EDB (µg/l) RBSL 0.05	Lead (µg/l) RBSL 0.015	TAA (µg/l) RBSL 240	TAME (µg/l) RBSL 128	ETBA (µg/l) RBSL NE	TBA (µg/l) RBSL 1,400	TBF (µg/l) RBSL NE	DIPE (µg/l) RBSL 150	Ethanol (µg/l) RBSL 10,000	ETBE (µg/l) RBSL 47
MW-5	09/29/99	1,590	7,410	1,850	10,320	560	13.1	NT	11.9	43	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	640	5,100	990	5,800	210	<5.0	12	0.45	670	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	06/26/12	810	7,400	1,500	10,000	770	<200	<200	0.86	31	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/01/16	20.4	88.8	93	147	47.2	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	101	424	1,020	2,940	427	<50.0	<50.0	<0.020	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
MW-5R	04/04/18	196	684	1,130	2,520	299	<50.0	<50.0	<0.020	NT	<1,000	<100	<1,000	<1,000	<500	<50.0	<2,000	<100
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-6	04/20/21	<1.7	6.1	45.7	175	25.5	<3.1	<2.1	<0.0098	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	09/29/99	ND	5	5.72	25.93	7.8	ND	NT	ND	23	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	9.7J	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2.3J	180	<0.20	<1.0	8.9	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-7	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/20/21	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	09/29/99	ND	5,440	1,750	7,350	530	979	NT	ND	25	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	180	870	740	2,500	210	<5.0	4.1J	<0.020	280	140	<0.20	2.5J	8.9J	<1.0	<0.40	<33	<0.20
	06/26/12	390	3,000	1,700	7,500	600	<200	<200	<0.063	25	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	210	740	1,300.0	3,700	270	<20	<7.4	<0.020	8.1J	<340	<50	<50	<340	<50	<20	<1,700	<10
MW-7R	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	180	475	1,090	2,320	283	<25.0	<25.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<1,000	<50.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	NL	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	3.7J	2.4J	5.3	34.5	5.7	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/26/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/20/21	<3.5	<4.0	173	469	73.4	<6.2	<4.1	<0.0096	NT	<131	<6.1	<108	<182	<48.2	<7.0	<288	<16.9
	09/29/99	ND	65.1	1,110	5,690	410	ND	NT	ND	16	NT	NT	NT	NT	NT	NT	NT	NT
MW-8	02/20/12	<0.20	<1.7	<1.7	3.4J	4.1J	<0.40	<0.30	<0.019	140	72J	<0.20	<1.0	140	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	<5.0	6.9	29	20	<5.0	<5.0	<0.021	20	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	31	<6.7	<1.0	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-9	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/20/21	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	09/29/99	ND	ND	ND	1.46	ND	ND	NT	ND	12	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/26/12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/20/21	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	09/29/99	ND	4.09	2.63	7.43	ND	14.15	NT	ND	13	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	<0.20	<1.7	<1.7	<1.7	<1.7	<0.40	<0.30	<0.023	2.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	11	NT	NT	NT	NT	NT	NT	NT	NT
MW-10R	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	08/31/15	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/17	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/20/21	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10RR	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	0.028	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-10RRR	04/20/21	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5

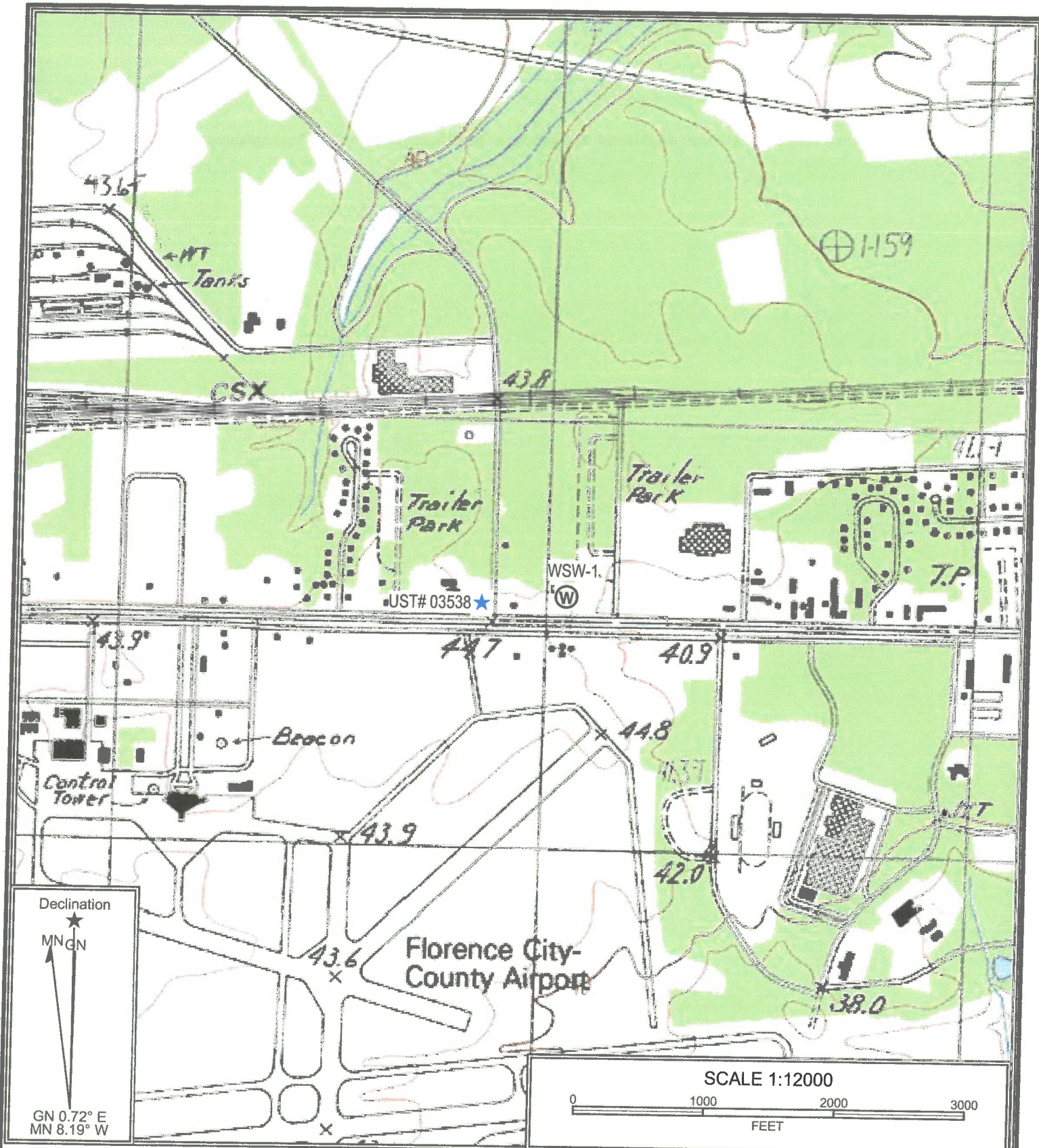
TABLE 3
GROUNDWATER COC CONCENTRATION DATA
COASTAL 76 TRUCK STOP
FLORENCE, SOUTH CAROLINA
MECI PROJECT NUMBER 21-7518
SCDHEC ID NUMBER 03538

SCDHEC ID NUMBER 03538																			
Well Number	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAA	TAME	ETBA	TBA	TBF	DIPE	Ethanol	ETBE	
		(µg/l) RBSL 5	(µg/l) RBSL 1,000	(µg/l) RBSL 700	(µg/l) RBSL 10,000	(µg/l) RBSL 25	(µg/l) RBSL 40	(µg/l) RBSL 5	(µg/l) RBSL 0.05	(µg/l) RBSL 0.015	(µg/l) RBSL 240	(µg/l) RBSL 128	(µg/l) RBSL NE	(µg/l) RBSL 1,400	(µg/l) RBSL NE	(µg/l) RBSL 150	(µg/l) RBSL 10,000	(µg/l) RBSL 47	
MW-11	09/29/99	10.1	1.63	19.90	11.18	15.2	ND	NT	ND	120	NT	NT	NT	NT	NT	NT	NT	NT	
	02/20/12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20	
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
04/20/21	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5		
MW-14	09/29/99	591	1,350	640	2,123	8.4	8.68	NT	ND	16	NT	NT	NT	NT	NT	NT	NT	NT	
	02/20/12	530	3,100	1,500	4,400	260	<0.40	10	0.21	5.2	630	<0.20	1.1J	9.5J	<1.0	<10	<33	<0.20	
	06/26/12	13	16	73	49	46	<5.0	<5.0	<0.019	3.0J	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NL	NL	NL	NL	NL	NL	NL	NL	
	12/12/14	2.8	2.0	5.3	4.9	<5.0	<5.0	<5.0	<0.019	NT	7.9	<1.0	<0.20	<6.7	<1.0	<0.40	<33	<0.20	
	08/31/15	3.4J	<5.0	10.9	<10.0	8.4	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	04/04/18	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	
04/20/21	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL		
MW-15	06/26/12	92	280	140	380	1.3	<25	<5.0	0.05	8.6J	NT	NT	NT	NT	NT	NT	NT	NT	
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20	
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	06/29/20	NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	MW-15R	04/20/21	<1.7	<2.0	6.8	19.7	<2.1	<3.1	<2.1	<0.0096	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	MW-16	06/26/12	180	580	83	380	39	5.4J	<25	0.59	16	NT	NT	NT	NT	NT	NT	NT	NT
12/03/14		1.3	0.62J	<0.33	0.68J	<0.40	1.1	<0.15	0.031	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20	
12/13/14		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
08/31/15		759	138	286	211	70.1	10.5	1.8J	<0.020	NT	678	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
06/01/16		NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
04/04/17		<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
03/29/18		NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
06/29/20		NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
MW-16R		04/20/21	<1.7	<2.0	<1.8	15.4	<2.1	<3.1	<2.1	<0.0095	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
MW-17		06/26/12	880	1,500	1,500	5,700	980	20J	<100	2.8	35	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	230	600	1,000	5,000	340	<20	<7.4	0.7	31	<340	<10	<50	<340	<50	<20	<1700	<10	
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	08/31/15	5,020	8,730	1,200	6,430	391	NS	NS	NS	NT	4,930	<50.0	<500	421J	<250	<25.0	<1,000	<50.0	
	06/01/16	2,680	5,400	1,780	5,890	506	<200	<200	4.7	NT	<4,000	<10	<4,000	<100	<50.0	<200	<8,000	<400	
	04/04/17	91.4	11.9	17.3	5,890	506	<200	<200	4.7	NT	<4,000	<10	<4,000	<100	<50.0	<200	<8,000	<400	
	03/29/18	1,720	2,700	1,020	5,830	449	<5.0	<5.0	0.11	NT	96.7J	<10.0	<100	<100	<50.0	<5.0	<200	<10.0	
	06/29/20	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	ABANDONED	5.1	NT	3,590	<250	<2,500	<2,500	<1,250	<125	<5,000	<250	
	MW-17R	04/20/21	501	386	209	1210	108	82.9	<8.2	2.7	NT	721	<12.2	<216	<364	<96.4	<14.0	<576	<33.8
	MW-18	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	11	NT	NT	NT	NT	NT	NT	NT	NT
12/03/14		<0.13	<0.33	0.40J	80	21	<0.40	<0.15	<0.019	<1.9									

TABLE 3 GROUNDWATER COC CONCENTRATION DATA COASTAL 76 TRUCK STOP FLORENCE, SOUTH CAROLINA MECI PROJECT NUMBER 21-7518 SCDHEC ID NUMBER 03538																		
Well Number	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAA	TAME	ETBA	TBA	TBF	DIPE	Ethanol	ETBE
		(µg/l) RBSL 5	(µg/l) RBSL 1,000	(µg/l) RBSL 700	(µg/l) RBSL 10,000	(µg/l) RBSL 25	(µg/l) RBSL 40	(µg/l) RBSL 5	(µg/l) RBSL 0.05	(µg/l) RBSL 0.015	(µg/l) RBSL 240	(µg/l) RBSL 128	(µg/l) RBSL NE	(µg/l) RBSL 1,400	(µg/l) RBSL NE	(µg/l) RBSL 150	(µg/l) RBSL 10,000	(µg/l) RBSL 47
MW-21	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	6.9J	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
MW-22	04/20/21	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	2J	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	NT	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	NL	NL	NL	NL	NL	NL	NL	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
MW-22R	06/29/20	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	04/20/21	8.0	6.2	77.5	92.2	42.4	<3.1	<2.1	<0.0098	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	3.4J	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<						

TABLE 3 GROUNDWATER COC CONCENTRATION DATA COASTAL 76 TRUCK STOP FLORENCE, SOUTH CAROLINA MECI PROJECT NUMBER 21-7518 SCDHEC ID NUMBER 03538																		
Well Number	Sample Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB	Lead	TAA	TAME	ETBA	TBA	TBF	DIPE	Ethanol	ETBE
		(µg/l) RBSL 5	(µg/l) RBSL 1,000	(µg/l) RBSL 700	(µg/l) RBSL 10,000	(µg/l) RBSL 25	(µg/l) RBSL 40	(µg/l) RBSL 5	(µg/l) RBSL 0.05	(µg/l) RBSL 0.015	(µg/l) RBSL 240	(µg/l) RBSL 128	(µg/l) RBSL NE	(µg/l) RBSL 1,400	(µg/l) RBSL NE	(µg/l) RBSL 150	(µg/l) RBSL 10,000	(µg/l) RBSL 47
TW-1	09/29/99	89.6	289	91.5	377	5	15	NT	ND	7	NT	NT	NT	NT	NT	NT	NT	NT
	02/20/12	<0.20	<1.7	<1.7	<1.7	2.6J	<0.40	<0.30	<0.019	13	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	3.4J	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
	12/13/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	08/31/15	564	4,820	1,430	7,990	525	<100	<100	0.13	NT	<2,000	<200	<2,000	<2,000	<1,000	<0.40	<33	<0.20
	06/01/16	NL	NL	NL	NL	NL	NL	NL	NL	NT	<2,000	<200	<2,000	<2,000	<1,000	<0.40	<33	<0.20
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<50.0	<5.0	<200	<10.0
04/20/21	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5	
TW-2	06/26/12	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	11	NT	NT	NT	NT	NT	NT	NT	NT
	12/03/14	<0.13	<0.33	<0.33	<0.33	<0.40	<0.40	<0.15	<0.020	<1.9	<6.7	<0.20	<1.0	<6.7	<1.0	<0.40	<33	<0.20
	12/13/14	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	08/31/15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/01/16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/17	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<0.020	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/04/18	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	06/29/20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.019	NT	<100	<10.0	<100	<100	<50.0	<5.0	<200	<10.0
	04/20/21	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096	NT	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	04/20/21	318</																

FIGURES



Reference: Florence East, South Carolina
 Contour Interval- 2 Meters
 USCS 7.5 Min. Quad

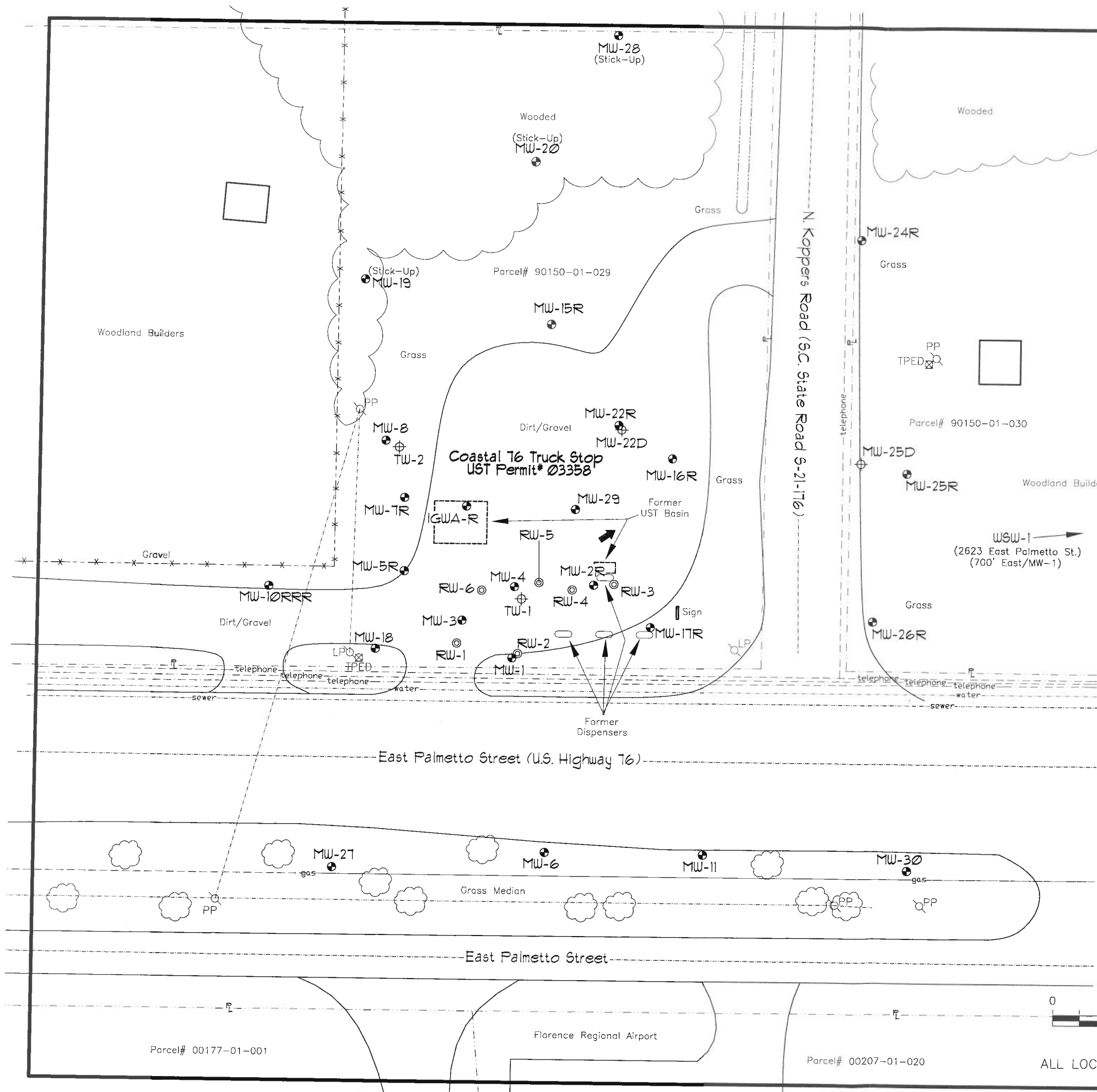
Midlands
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Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 SCDHEC Site ID* 03538

Figure 1

MECI 20-7518



Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ⊙ Location of 4-Inch Recovery Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas— Buried Gas Line
- water— Buried Water Line
- sewer— Buried Sewer
- telephone— Buried Telephone
- fence— Fence

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

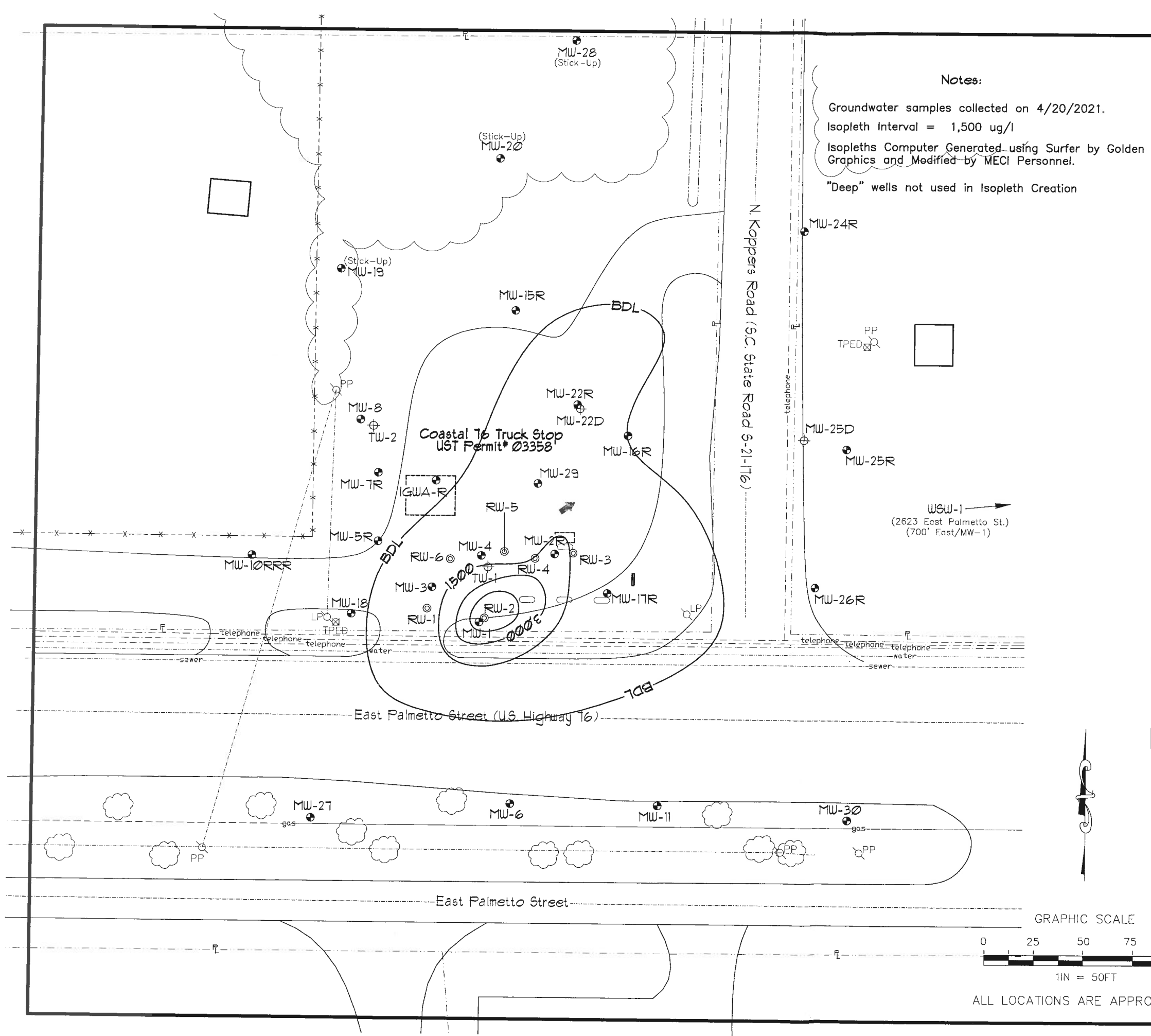
Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands Environmental Consultants, Inc.

JOB NO. 20-7518
DATE April 30, 2021
FIGURE

2

GRAPHIC SCALE
0 25 50 75 100
1IN = 50FT
ALL LOCATIONS ARE APPROXIMATE



Notes:
Groundwater samples collected on 4/20/2021.
Isopleth Interval = 1,500 ug/l
Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.
"Deep" wells not used in Isopleth Creation

GROUNDWATER COC CONCENTRATION DATA								
Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05
03538-IGWAR	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW01	5490	12600	802	7270	578	<310	<206	27.8
03538-MW02R	3380	12400	2680	12100	768	<310	<206	4.9
03538-MW03	446	2900	768	5030	522	<77.5	<51.5	0.17
03538-MW04	254	134	26.5	1310	88.6	<12.4	<8.2	0.19
03538-MW05R	<1.7	6.1	45.7	175	25.5	<3.1	<2.1	<0.0098
03538-MW06	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW07R	<3.5	<4.0	173	469	73.4	<6.2	<4.1	<0.0096
03538-MW08	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW10RRR	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW11	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW15R	<1.7	<2.0	6.8	19.7	<2.1	<3.1	<2.1	<0.0096
03538-MW16R	<1.7	<2.0	<1.8	15.4	<2.1	<3.1	<2.1	<0.0095
03538-MW17R	501	386	209	1210	108	82.9	<8.2	2.7
03538-MW18	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW19	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03535-MW20	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.010
03538-MW22R	8.0	6.2	77.5	92.2	42.4	<3.1	<2.1	<0.0098
03538-MW22D	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03538-MW24R	<1.7	3.3 J	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW25R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW25D	6.3	<2.0	5.0 J	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW26R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW27	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW28	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW29	3.2 J	13.7	4.6 J	22.8	<2.1	<3.1	<2.1	<0.0095
03538-MW30	<1.7	2.6 J	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0095
03538-TW01	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-TW02	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03538-RW01	318	5770	1930	8350	610	<124	<82.4	0.14
03538-RW02	6030	20200	2670	13700	840 J	<620	<412	41.2
03538-RW03	60.5	197	117	722	51.9	27.4	<4.1	0.063
03538-RW04	287	580	342	1510	132	34.9	<10.3	0.19
03538-RW05	577	4090	1320	5850	473	<77.5	<51.5	0.34
03538-RW06	1100	5750	1630	7670	500	<155	<103	1.6
03538-WSW01	<0.21	<0.20	<0.22	<0.22	<0.35	2.2	<0.16	<0.013
DUP-1(MW02R)	3420	11800	2590	11400	806	<310	<206	4.2
DUP-2(RW05)	672	4690	1470	6400	505	<77.5	<51.5	0.33
DUP(WSW-1)	<0.21	<0.20	<0.22	<0.22	<0.35	4.9	<0.16	<0.013
FIELD BLANK	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
	<0.21	<0.20	<0.22	<0.22	<0.35	<0.14	<0.16	<0.013
TRIP BLANK	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT
	<0.21	<0.20	<0.22	<0.22	<0.35	<0.14	<0.16	NT

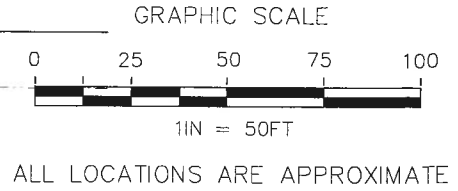
Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

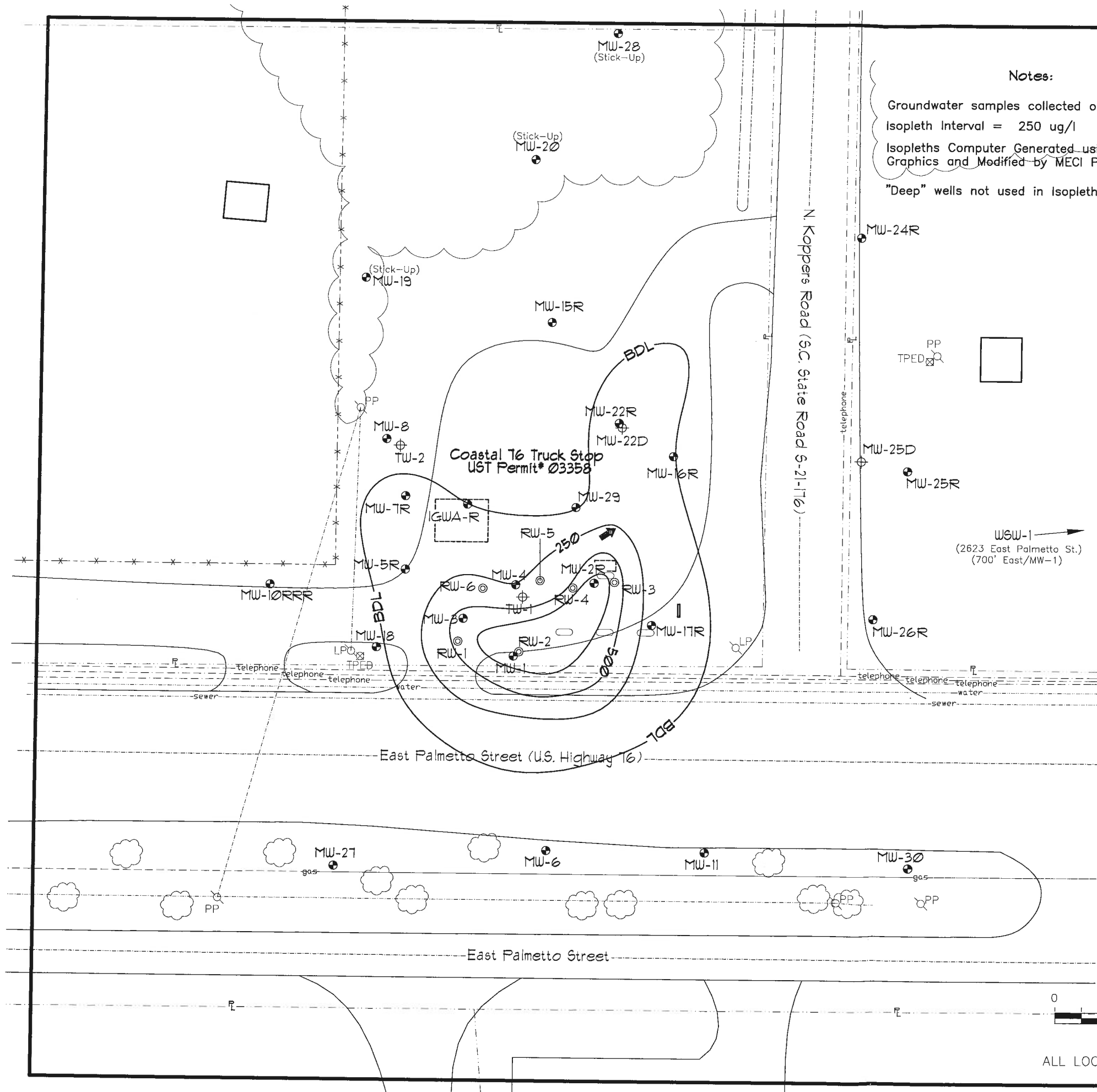
Groundwater CoC Site Map
(Benzene Isopleth)

Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

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JOB NO. 20-7518
DATE April 30, 2021
FIGURE 4





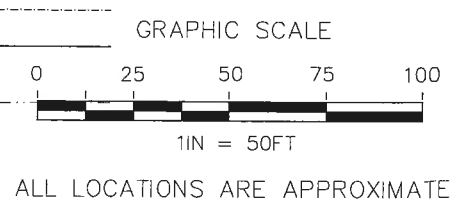
Notes:

Groundwater samples collected on 4/20/2021.
Isopleth Interval = 250 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells not used in Isopleth Creation

WSW-1
(2623 East Palmetto St.)
(700' East/MW-1)



GROUNDWATER COC CONCENTRATION DATA								
Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05
03538-IGWAR	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW01	5490	12600	802	7270	578	<310	<206	27.8
03538-MW02R	3380	12400	2680	12100	768	<310	<206	4.9
03538-MW03	446	2900	768	5030	522	<77.5	<51.5	0.17
03538-MW04	254	134	26.5	1310	88.6	<12.4	<8.2	0.19
03538-MW05R	<1.7	6.1	45.7	175	25.5	<3.1	<2.1	<0.0098
03538-MW06	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW07R	<3.5	<4.0	173	469	73.4	<6.2	<4.1	<0.0096
03538-MW08	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW10RRR	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW11	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW15R	<1.7	<2.0	6.8	19.7	<2.1	<3.1	<2.1	<0.0096
03538-MW16R	<1.7	<2.0	<1.8	15.4	<2.1	<3.1	<2.1	<0.0095
03538-MW17R	501	386	209	1210	108	82.9	<8.2	2.7
03538-MW18	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW19	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03538-MW20	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.010
03538-MW22R	8.0	6.2	77.5	92.2	42.4	<3.1	<2.1	<0.0098
03538-MW22D	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03538-MW24R	<1.7	3.3 J	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW25R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW25D	6.3	<2.0	5.0 J	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW26R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW27	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW28	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW29	3.2 J	13.7	4.6 J	22.8	<2.1	<3.1	<2.1	<0.0097
03538-MW30	<1.7	2.6 J	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0095
03538-TW01	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-TW02	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03538-RW01	318	5770	1930	8350	610	<124	<82.4	0.14
03538-RW02	6030	20200	2670	13700	840 J	<620	<412	41.2
03538-RW03	60.5	197	117	722	51.9	27.4	<4.1	0.063
03538-RW04	287	580	342	1510	132	34.9	<10.3	0.19
03538-RW05	577	4090	1320	5850	473	<77.5	<51.5	0.34
03538-RW06	1100	5750	1630	7670	500	<155	<103	1.6
03538-WSW01	<0.21	<0.20	<0.22	<0.22	<0.35	2.2	<0.16	<0.013
DUP-1(MW02R)	3420	11800	2590	11400	806	<310	<206	4.2
DUP-2(RW05)	672	4690	1470	6400	505	<77.5	<51.5	0.33
DUP(WSW-1)	<0.21	<0.20	<0.22	<0.22	<0.35	4.9	<0.16	<0.013
FIELD BLANK	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
	<0.21	<0.20	<0.22	<0.22	<0.35	<0.14	<0.16	<0.013
TRIP BLANK	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT
	<0.21	<0.20	<0.22	<0.22	<0.35	<0.14	<0.16	NT

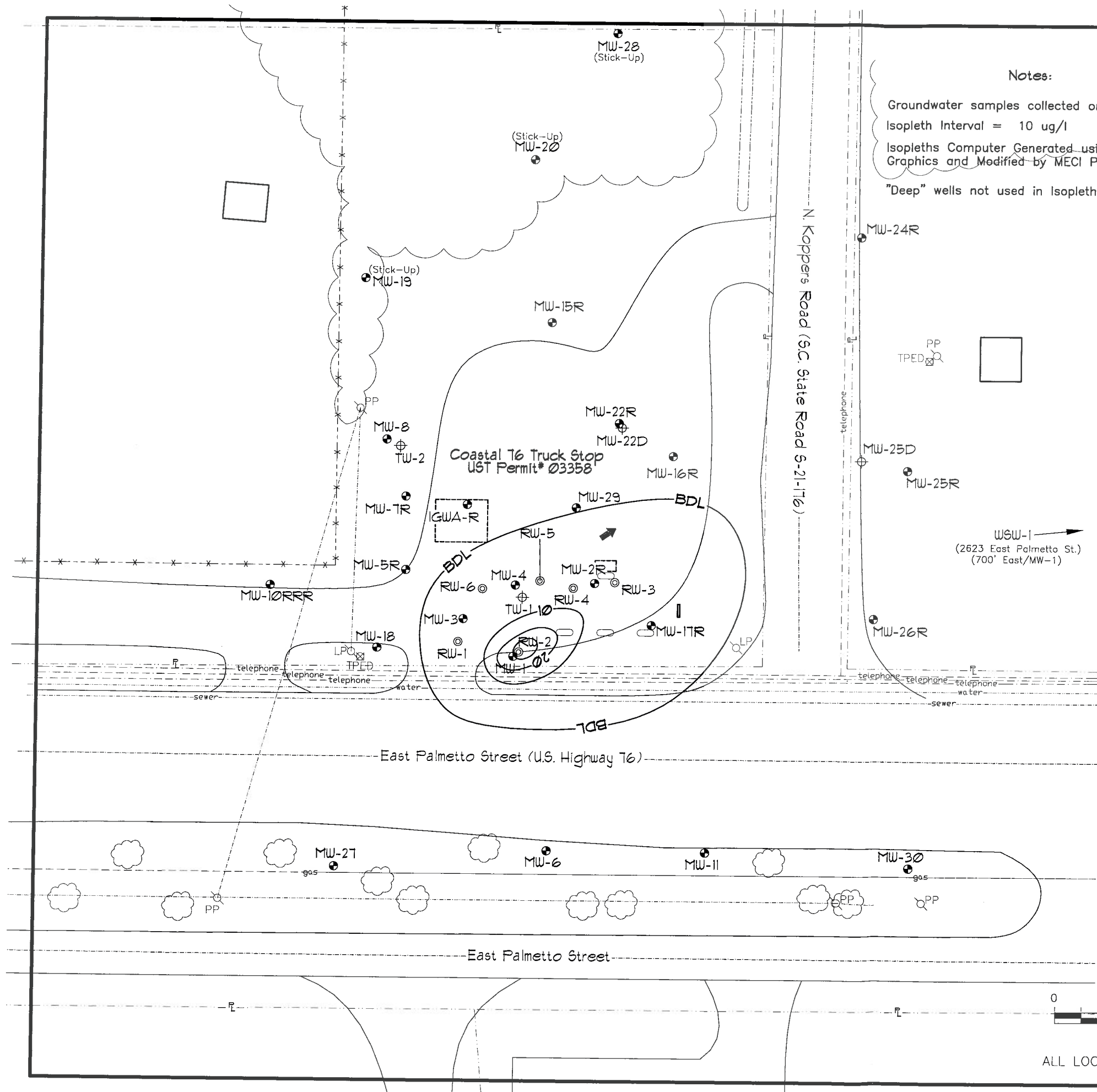
Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Groundwater CoC Site Map
(Naphthalene Isopleth)

Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

JOB NO. 20-7518
DATE April 30, 2021
FIGURE 4A



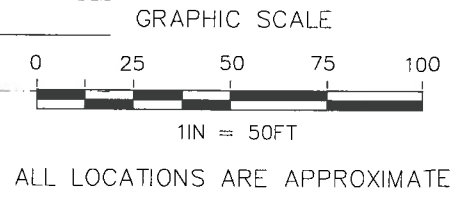
Notes:

Groundwater samples collected on 4/20/2021.
Isopleth Interval = 10 ug/l

Isopleths Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

"Deep" wells not used in Isopleth Creation

WSW-1
(2623 East Palmetto St.)
(700' East/MW-1)



GROUNDWATER COC CONCENTRATION DATA								
Sample ID	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MTBE	1,2 DCA	EDB
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	RBSL 5	RBSL 1,000	RBSL 700	RBSL 10,000	RBSL 25	RBSL 40	RBSL 5	RBSL 0.05
03538-IGWAR	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW01	5490	12600	802	7270	578	<310	<206	27.8
03538-MW02R	3380	12400	2680	12100	768	<310	<206	4.9
03538-MW03	446	2900	768	5030	522	<77.5	<51.5	0.17
03538-MW04	254	134	26.5	1310	88.6	<12.4	<8.2	0.19
03538-MW05R	<1.7	6.1	45.7	175	25.5	<3.1	<2.1	<0.0098
03538-MW06	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW07R	<3.5	<4.0	173	469	73.4	<6.2	<4.1	<0.0096
03538-MW08	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW10RRR	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW11	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0098
03538-MW15R	<1.7	<2.0	6.8	19.7	<2.1	<3.1	<2.1	<0.0096
03538-MW16R	<1.7	<2.0	<1.8	15.4	<2.1	<3.1	<2.1	<0.0095
03538-MW17R	501	386	209	1210	108	82.9	<8.2	2.7
03538-MW18	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW19	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03535-MW20	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.010
03538-MW22R	8.0	6.2	77.5	92.2	42.4	<3.1	<2.1	<0.0098
03538-MW22D	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03538-MW24R	<1.7	3.3 J	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW25R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW25D	6.3	<2.0	5.0 J	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW26R	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW27	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0099
03538-MW28	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-MW29	3.2 J	13.7	4.6 J	22.8	<2.1	<3.1	<2.1	<0.0097
03538-MW30	<1.7	2.6 J	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0095
03538-TW01	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0097
03538-TW02	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	<0.0096
03538-RW01	318	5770	1930	8350	610	<124	<82.4	0.14
03538-RW02	6030	20200	2670	13700	840 J	<620	<412	41.2
03538-RW03	60.5	197	117	722	51.9	27.4	<4.1	0.063
03538-RW04	287	580	342	1510	132	34.9	<10.3	0.19
03538-RW05	577	4090	1320	5850	473	<77.5	<51.5	0.34
03538-RW06	1100	5750	1630	7670	500	<155	<103	1.6
03538-WSW01	<0.21	<0.20	<0.22	<0.22	<0.35	2.2	<0.16	<0.013
DUP-1(MW02R)	3420	11800	2590	11400	806	<310	<206	4.2
DUP-2(RW05)	672	4690	1470	6400	505	<77.5	<51.5	0.33
DUP(WSW-1)	<0.21	<0.20	<0.22	<0.22	<0.35	4.9	<0.16	<0.013
FIELD BLANK	<0.21	<0.20	<0.22	<0.22	<0.35	<0.14	<0.16	<0.013
TRIP BLANK	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT
	<1.7	<2.0	<1.8	<5.0	<2.1	<3.1	<2.1	NT
	<0.21	<0.20	<0.22	<0.22	<0.35	<0.14	<0.16	NT

Drawing Based on MECI Field Notes, Tax Maps
and a RLS Survey of the Site by
Jay S. Joshi dated June 25, 2012.

Groundwater CoC Site Map
(EDB isopleth)

Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

JOB NO. 20-7518
DATE April 30, 2021
FIGURE 4B

Notes:

Groundwater samples collected on 4/20/21

DIPE = Diisopropyl Ether

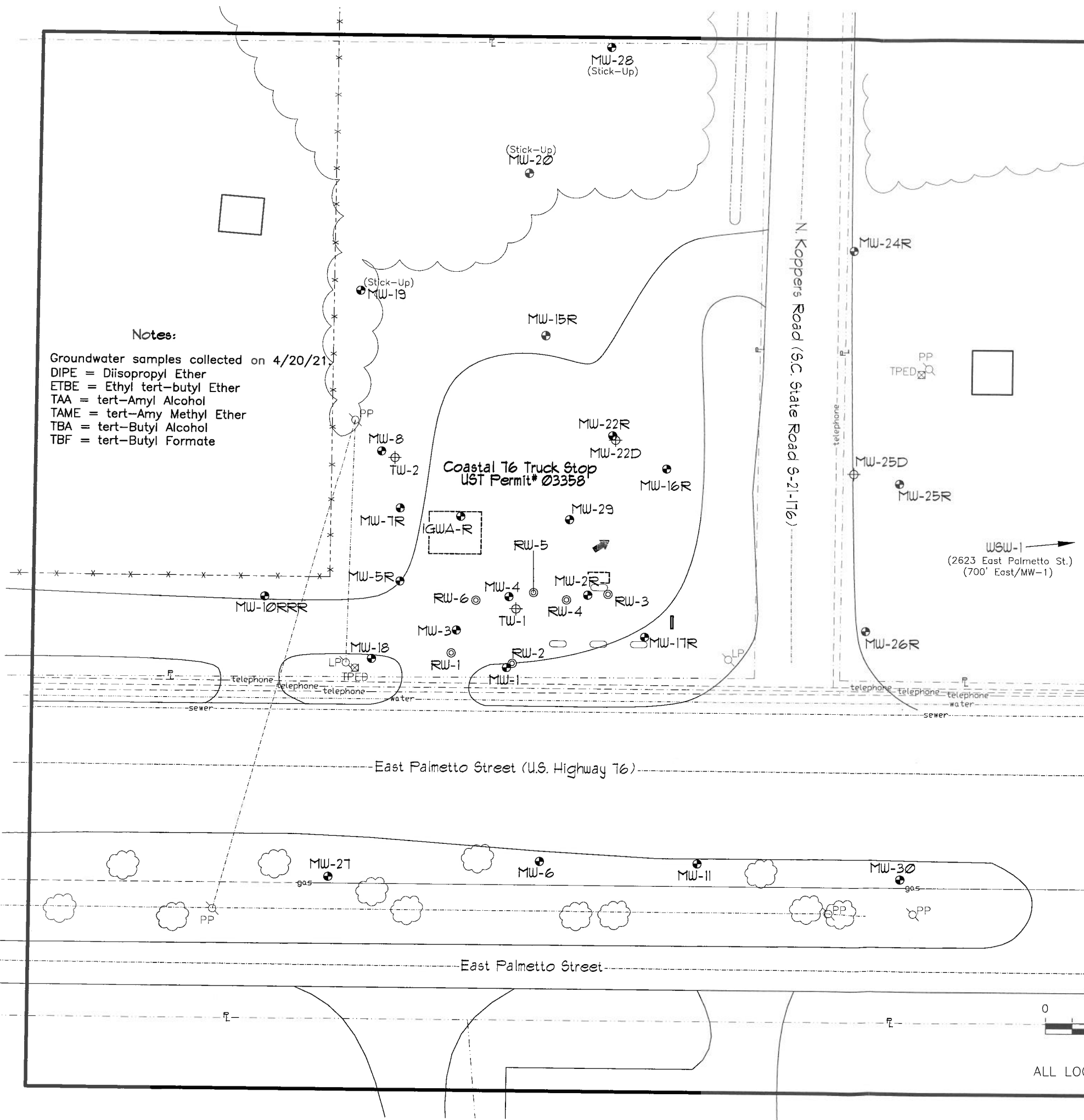
ETBE = Ethyl tert-butyl Ether

TAA = tert-Amyl Alcohol

TAME = tert-Amyl Methyl Ether

TBA = tert-Butyl Alcohol

TBF = tert-Butyl Formate



GROUNDWATER COC CONCENTRATION DATA (OXYGENATES)								
Sample ID	TAA	TAME	ETBA	TBA	TBF	DIPE	Ethanol	ETBE
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	RBSL 240	RBSL 128	RBSL NE	RBSL 1,400	RBSL NE	RBSL 150	RBSL 10,000	RBSL 47
03538-IGWAR	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW01	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
03538-MW02R	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
03538-MW03	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
03538-MW04	<262	<12.2	<216	<364	<96.4	<14.0	<576	<33.8
03538-MW05R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW06	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW07R	<131	<6.1	<108	<182	<48.2	<7.0	<288	<16.9
03538-MW08	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW10RRR	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW11	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW15R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW16R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW17R	721	<12.2	<216	<364	<96.4	<14.0	<576	<33.8
03538-MW18	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW19	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03535-MW20	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW22R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW22D	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW24R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW25R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW25D	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW26R	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW27	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW28	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW29	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-MW30	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-TW01	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-TW02	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
03538-RW01	<2620	<122	<2160	<3640	<964	<140	<5760	<338
03538-RW02	<13100	<608	<10800	<18200	<4820	<698	<28800	<1690
03538-RW03	174 J	<6.1	<108	<182	<48.2	<7.0	<288	<16.9
03538-RW04	396 J	<15.2	<270	<455	<120	<17.4	<720	<42.3
03538-RW05	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
03538-RW06	<3280	<152	<2700	<4550	<1200	<174	<7200	<423
03538-WSW01	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
DUP-1(MW02R)	<6560	<304	<5390	<9100	<2410	<349	<14400	<846
DUP-2(RW05)	<1640	<76.0	<1350	<2280	<602	<87.2	<3600	<212
DUP(WSW-1)	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
FIELD BLANK	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2
TRIP BLANK	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	<65.6	<3.0	<53.9	<91.0	<24.1	<3.5	<144	<8.5
	<36.4	<2.7	<51.9	<26.8	<29.4	<0.31	<72.2	<3.2

Drawing Based on MECI Field Notes, Tax Maps
and a RLS Survey of the Site by
Jay S. Joshi dated June 25, 2012.

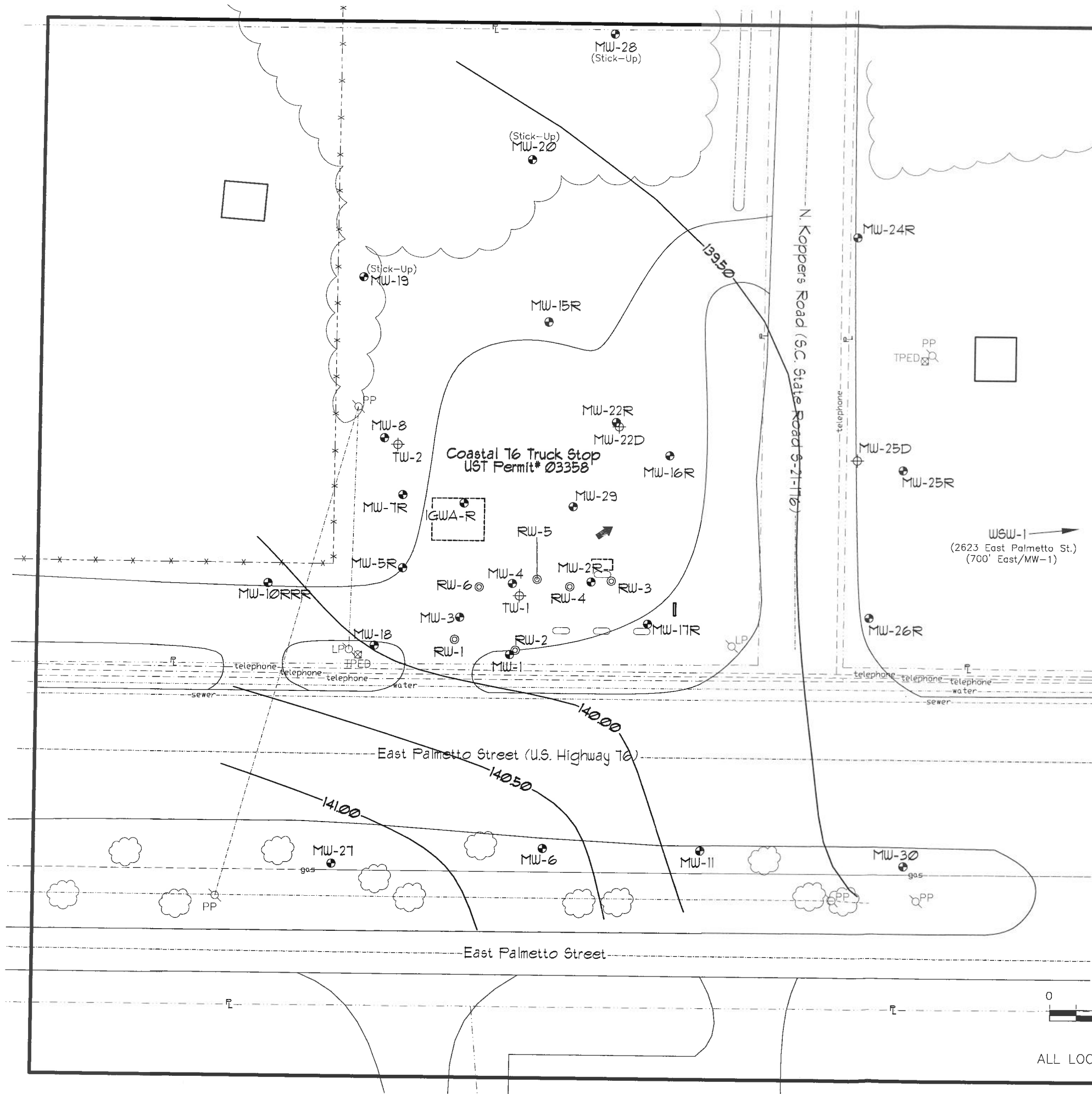
Groundwater CoC Site Map
(Oxygenates)

Coastal T6 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03358

Midlands
Environmental
Consultants, Inc.

JOB NO. 20-7518
DATE April 30, 2021
FIGURE

4C



Well Number	Screened Interval	Depth to Water (feet)	Well-head Elevation	Groundwater Elevation
03538-IGWAR	11.00-21.00	3.75	145.14	141.39
03538-MW01	TD:17.80	6.02	145.87	139.85
03538-MW02R	3.00-18.00	6.00	145.79	139.79
03538-MW03	TD:18.20	5.62	145.51	139.89
03538-MW04	TD:18.35	5.84	145.56	139.72
03538-MW05R	3.00-18.00	4.80	144.77	139.97
03538-MW06	8.29-18.29	5.23	146.04	140.81
03538-MW07R	3.00-18.00	4.84	144.76	139.92
03538-MW08	8.29-18.29	3.98	143.78	139.80
03538-MW10RRR	3.00-18.00	4.68	144.75	140.07
03538-MW11	8.42-18.42	6.01	145.68	139.67
03538-MW15R	3.00-18.00	4.48	144.21	139.73
03538-MW16R	3.00-18.00	5.48	145.49	140.01
03538-MW17R	3.00-18.00	6.71	146.75	140.04
03538-MW18	11.00-21.00	5.86	145.79	139.93
03538-MW19	2.12-12.12	8.88	148.42	139.54
03535-MW20	4.50-14.50	8.94	148.46	139.52
03538-MW22R	2.00-17.00	5.41	145.16	139.75
03538-MW22D	39.23-44.23	8.21	144.89	136.68
03538-MW24R	2.00-17.00	5.80	145.22	139.42
03538-MW25R	3.00-18.00	4.19	144.08	139.89
03538-MW25D	31.00-36.00	5.04	144.60	139.56
03538-MW26R	10.00-20.00	5.89	144.96	139.07
03538-MW27	11.00-21.00	3.42	144.77	141.35
03538-MW28	11.00-21.00	7.42	147.16	139.74
03538-MW29	3.00-18.00	5.22	145.36	140.14
03538-MW30	3.00-18.00	5.12	144.52	139.40
03538-TW01	31.00-36.00	5.97	145.77	139.80
03538-TW02	31.00-36.00	4.29	143.98	139.69
03538-RW01	3.00-18.00	5.65	145.51	139.86
03538-RW02	3.00-18.00	5.69	145.52	139.83
03538-RW03	3.00-18.00	5.51	145.50	139.99
03538-RW04	3.00-18.00	5.63	145.52	139.89
03538-RW05	3.00-18.00	5.89	145.77	139.88
03538-RW06	3.00-18.00	5.90	145.75	139.85

Notes: Depth to groundwater measured on 4/20/2021.
Contour Interval = 0.50 Feet
Monitoring well IGWAR, MW-16R, MW-17R, MW-22D, MW-25R, MW-25D, MW-28, MW-29, TW-1 and TW-2 not used in contouring.
Contours Computer Generated using Surfer by Golden Graphics and Modified by MECI Personnel.

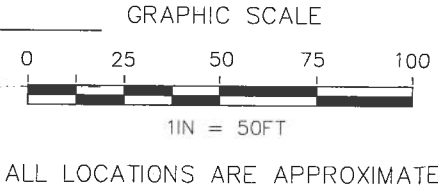
Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Potentiometric Data Site Map
(Groundwater Contour)

Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538

Midlands
Environmental
Consultants, Inc.

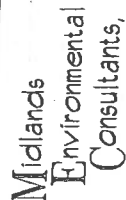
JOB NO. 20-7518
DATE April 30, 2021
FIGURE 5



APPENDIX A:
SITE SURVEY
(Not Applicable)

APPENDIX B:

SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS



Monitoring Well Purge And Sampling Data

20-7518

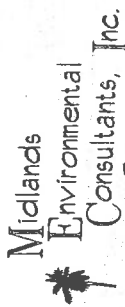
Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

[illegible]

One Well Volume = $\pi \times .047$ for 1" wells * $\pi \times .163$ for 2" wells, or * $\pi \times .66$ for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DB SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251



Field Personnel:

R. S. S. C. H. S.

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

Casta 176

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)

pH:

Conductivity:

Dissolved Oxygen:

Turbidity:

Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):		Well Depth (feet)	Water Height (feet)	Gallons Purged	Notes
								product	initial H ₂ O	final H ₂ O		**calc.	
NW-3	Initial	12:56	7.51	142.9	20.2	2.43	27.88						
	1st	12:58	7.40	156.7	20.8	3.04	23.64					2.05	slight odor
	2nd	13:00	7.37	137.7	29.9	2.81	121.9						
	3rd	13:02	7.42	153.4	21.0	2.65	157.5						
	4th	13:04	7.45	163.8	20.9	2.71	10.41						
	5th	13:06	7.41	165.7	20.9	2.73	37.18					10.25	10-5
	Sampling												
NW-4	Initial	15:07	7.63	130.1	14.2	2.97	27.31						
	1st	15:05	7.46	150.4	14.8	3.19	67.41					2.04	slight odor
	2nd	15:01	7.51	161.2	14.9	3.24	113.8						
	3rd	15:07	7.47	157.8	14.9	3.17	146.3						
	4th	15:11	7.42	149.1	14.8	3.09	74.8					10.20	10-5
	5th	15:13	7.39	157.9	14.9	3.14	34.69						
	Sampling												
NW-5R	Initial	11:35	7.72	235.7	18.9	3.34	23.07						
	1st	11:37	7.54	261.9	14.5	3.74	68.41					2.15	slight odor
	2nd	11:39	7.63	273.4	14.5	3.89	49.2						
	3rd	11:41	7.54	26.4	14.4	3.67	150.4						
	4th	11:43	7.47	244.6	14.4	3.72	82.61						
	5th	11:45	7.47	254.1	14.5	3.75	34.12					11	
	Sampling												
NW-6	Initial	10:17	7.62	56.5	18.5	3.41	21.43						
	1st	10:19	7.43	69.4	14.3	3.54	70.41					2.13	no odor
	2nd	10:21	7.54	73.8	14.4	3.67	114.9						
	3rd	10:23	7.41	66.7	12.5	3.48	138.7						
	4th	10:25	7.45	70.1	14.5	3.62	76.64						
	5th	10:27	7.48	74.3	14.4	3.64	34.19					10.64	
	Sampling												

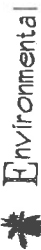
**= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, or x.163 for 2" wells, or x.66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SW	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands

Environmental
Consultants, Inc.

Field Personnel:

R. S. S. CH, HS

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

Constal 76

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: YesConductivity: YesDissolved Oxygen: YesTurbidity: Yes

Conductivity Calibrated Every 3 Months by QA Manager

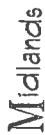
Well No.	Purge Volume	Sample Time	pH(l)	cond(l)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):		Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O final H ₂ O			**calc.	actual	
MW-7R	Initial	11:54	7.88	187.7	18.4	5.22	28.41			3	9	2.15		Slit odor
	1st	11:56	7.64	216.2	19.0	5.64	67.61			18	11	10.73		
	2nd	11:58	7.71	224.9	19.1	5.39	15.7							
	3rd	12:00	7.62	214.6	19.1	5.43	164.3							
	4th	12:02	7.59	214.3	19.2	5.47	85.47							
	5th	12:04	7.61	216.7	19.1	5.40	40.21							
MW-8	Initial	11:37	7.76	125.8	18.7	3.50	27.43			8.29	14	2.32		No odor
	1st	11:39	7.49	141.7	19.4	3.67	61.42			18.29	14	11.66		
	2nd	11:41	7.63	133.2	19.5	3.71	120.4							
	3rd	11:43	7.50	150.3	19.5	3.65	163.6							
	4th	11:45	7.47	143.1	19.6	3.68	94.91							
	5th	11:47	7.52	135.7	19.5	3.70	39.64							
MW-9	Initial									8.33				
	1st									18.33				
	2nd													
	3rd													
	4th													
	5th													
MW-10	Initial	11:18	7.84	218.8	19.0	5.85	24.17			3	11	2.17		No odor
	1st	11:20	7.61	241.6	19.6	6.17	63.49			18	11	10.86		
	2nd	11:22	7.74	237.9	19.8	5.89	140.7							
	3rd	11:24	7.59	244.5	19.8	5.74	198.2							
	4th	11:26	7.53	247.9	19.7	5.78	110.1							
	5th	11:28	7.57	253.1	19.8	5.81	40.24							

* = (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells * x.163 for 2" wells, or * x.66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph-Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251



Midlands
Environmental
Consultants, Inc.

Field Personnel:

RS, SS, CH, HS

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

Const 176

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

pH: Calibration Successful? Yes or No (Please Circle)
Conductivity: Yes
Dissolved Oxygen: Yes
Turbidity: Yes

Well No.

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):		Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	initial H ₂ O final H ₂ O			**calc.	actual	
NW-11	Initial	10:00	7.71	113.7	17.7	1.47	24.11			8.42		2.02		No odor
	1st	10:02	7.66	123.9	18.6	2.84	74.73			-	1.1		10	
	2nd	10:04	7.74	134.6	18.5	3.14	123.6			18.42	2.1			
	3rd	10:06	7.57	129.7	18.6	2.46	149.9							
	4th	10:08	7.61	133.9	18.6	2.91	83.41							
	5th	10:10	7.64	135.1	18.5	2.87	36.29							
	Sampling													
NW-14	Initial									8.29				
	1st									-				
	2nd									18.29				
	3rd													
	4th													
	5th													
	Sampling													
NW-15R	Initial	11:01	7.57	45.1	17.3	5.07	22.47							
	1st	11:03	7.43	56.8	17.4	5.17	70.41							
	2nd	11:05	7.51	56.7	18.1	5.29	120.4							
	3rd	11:07	7.41	44.1	18.0	5.17	176.6			2.17	2.1	2.01	10.5	No odor
	4th	11:09	7.39	52.2	18.0	5.21	24.43							
	5th	11:11	7.37	51.4	18.0	5.24	31.64							
	Sampling													
NW-16R	Initial	11:06	7.81	215.6	18.4	4.04	23.17							
	1st	11:08	7.64	214.9	19.0	4.74	70.42							
	2nd	11:10	7.96	331.6	19.1	4.79	139.4							
	3rd	11:12	7.58	219.9	19.2	4.34	181.4							
	4th	11:14	7.67	324.5	19.2	4.21	14.34			2.17	2.1	1.88	9.5	No odor
	5th	11:16	7.55	316.1	19.2	4.30	37.21							
	Sampling													

*(Depth of Well) - (Depth to Water = Water Height)
One Well Volume = x.047 for 1" wells, or * x.163 for 2" wells, or * x.66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251



Midlands
Environmental
Consultants, Inc.

Field Personnel:

RS, SS, CH, HS

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Monitoring Well Purge And Sampling Data

Job Name:

Case # 1 76

Job Number:

20-7518

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: Yes
Conductivity: Yes
Dissolved Oxygen: Yes
Turbidity: Yes

Well No.

Purge Volume

Sample Time

pH(i)

cond(i)

Temp. (°C)

DO (mg/l)

Turbidity (NTU)

Depth to (feet):

Initial H₂O

Final H₂O

Well Depth (feet)

Water Height (feet)

Gallons Purged

**calc.

actual

Notes

MW-17R

MW-18

MW-19

MW-20

*= (Depth of Well) - (Depth to Water = Water Height)
One Well Volume = x.047 for 1" wells * x.163 for 2" wells, or * x.66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

**= One Well Volume x 5 = Gallons Purged (calculated)

Sampling Case#	pH/Conductance SW	DO SW	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251



Midlands
Environmental
Consultants, Inc.

Field Personnel:

RS, SS, CH, HS

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

Castrol 76

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

pH: Calibration Successful? Yes or No (Please Circle)
Conductivity: Yes
Dissolved Oxygen: Yes
Turbidity: Yes

Well No.

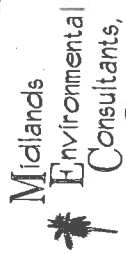
Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):		Well Depth (feet)	Water Height * (feet)	Gallons Purged		Notes
								product	initial H ₂ O final H ₂ O			**calc.	actual	
NW-21	Initial									2.75				
	1st													
	2nd													
	3rd													
	4th													
	5th													
NW-22	Initial	11:49	7.97	200.6	19.6	4.86	20.71			12.75				
	1st	11:51	7.91	213.6	19.4	4.71	74.69							
	2nd	11:53	7.87	207.1	19.4	5.13	124.6					1.87		No odor
	3rd	11:55	7.73	254.3	19.5	4.97	171.9					9.45		
	4th	11:57	7.84	239.1	19.6	5.21	83.81							
	5th	11:59	7.82	224.4	19.6	5.18	42.67							
NW-23	Initial	11:18	7.87	181.3	19.2	5.93	22.36			39.23				
	1st	11:24	7.64	32.4	19.7	5.41	70.41							
	2nd	11:30	7.71	37.6	19.8	5.17	130.2					5.87		No odor
	3rd	11:36	7.25	31.7	19.7	5.36	156.7							
	4th													
	5th													
NW-24	Initial	11:42	7.69	27.6	17.7	5.12	27.91			44.23				
	1st	10:17	7.51	189.4	20.3	4.71	24.89							
	2nd	10:19	7.64	215.9	20.6	4.94	61.49					24.36		
	3rd	10:21	7.83	222.4	20.7	5.12	120.6							
	4th	10:23	7.71	212.3	20.7	4.96	161.9					1.83		No odor
	5th	10:25	7.76	212.1	20.6	4.93	91.34							
NW-25	Initial	10:27	7.74	214.6	20.7	4.87	36.21			2				
	1st													
	2nd													
	3rd													
	4th													
	5th													

* = (Depth of Well) - (Depth to Water = Water Height)
One Well Volume = x.047 for 1" wells * x.163 for 2" wells, or * x.66 for 4" wells, 1.469 for 6" wells

** = One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251



Field Personnel:

RS, SS, CH, HS

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Monitoring Well Purge And Sampling Data

Job Name:

Coastal 76

Job Number:

20-7518

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)
pH: ☒ Yes ☐ No

Conductivity: ☒ Yes ☐ No

Dissolved Oxygen: ☒ Yes ☐ No

Turbidity: ☒ Yes ☐ No

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(l)	cond(l)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):		Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H ₂ O			**calc.	actual	
MW-25R	Initial	10:22	7.66	110.3	17.6	5.43	21.42			3	18	2-25	11.5	No odor
	1st	10:24	7.44	124.6	20.1	5.67	68.34		61 ft	18	19			
	2nd	10:26	7.59	127.9	20.2	5.47	120.1							
	3rd	10:28	7.37	121.7	20.1	5.53	169.7							
	4th	10:30	7.41	126.7	20.1	5.58	97.64							
	5th	10:32	7.43	130.1	20.1	5.61	34.66							
	Sampling													
MW-25D	Initial	10:17	7.40	98.5	20.0	5.24	21.76			31	36	5-05	25.23	No odor
	1st	10:22	6.95	44.7	21.2	5.13	64.83		1 ft	36	34			
	2nd	10:27	6.74	39.8	21.1	5.21	124.3							
	3rd	10:32	6.86	43.7	21.2	5.07	149.7							
	4th													
	5th													
	Sampling													
MW-26R	Initial	10:38	6.91	41.2	21.2	4.58	33.18			3	18	1.97	10	No odor
	1st	10:34	7.75	142.1	17.4	5.73	23.84							
	2nd	10:36	7.59	137.4	14.7	5.88	84.61							
	3rd	10:38	7.64	167.7	20.0	5.97	120.1		52 ft		21			
	4th	10:40	7.67	113.8	20.1	5.86	147.9							
	5th	10:42	7.69	194.5	20.0	5.90	79.41							
	Sampling	10:44	7.71	191.7	20.0	5.93	34.09							
MW-27	Initial	10:00	7.72	79.2	18.7	4.57	25.31			11	21	2.86	14.5	No odor
	1st	10:03	7.59	61.9	14.4	5.11	83.41		25 ft		21			
	2nd	10:06	7.63	80.7	14.5	4.87	136.9							
	3rd	10:09	7.65	83.8	14.5	4.74	183.4							
	4th	10:12	7.61	85.1	12.4	4.74	103.7							
	5th	10:15	7.62	87.0	14.5	4.67	37.94							
	Sampling													

**= (Depth of Well) - (Depth to Water = Water Height)

One Well Volume = x.047 for 1" wells, x.163 for 2" wells, or " x .66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SW	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251



Midlands
Environmental
Consultants, Inc.

Field Personnel:

RS, SS, CH, HS

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

Constal 76

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

pH: Calibration Successful? Yes or No (Please Circle)
Conductivity: Yes No
Dissolved Oxygen: Yes No
Turbidity: Yes No

Well No.

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):		Well Depth (feet)	Water Height *(feet)	Gallons Purged **calc.	Gallons Purged actual	Notes
								product	Initial H ₂ O					
NW-28	Initial	10:39	8.00	74.4	18.5	3.34	28.31		513.81	11		2.83		No odor
	1st	10:42	7.61	74.3	18.9	3.69	78.49			21	14.17	14.17		
	2nd	10:45	7.79	81.9	19.0	3.24	120.3							
	3rd	10:48	7.84	96.7	19.1	3.61	167.4							
	4th	10:51	7.87	101.3	19.1	3.65	91.34							
	5th	10:54	7.91	77.1	19.0	3.71	16.21							
NW-29	Initial	11:23	7.74	300.1	18.2	3.47	23.64			3		2.08		No odor
	1st	11:25	7.81	343.6	18.8	4.14	70.14			18		10.42		
	2nd	11:27	7.79	331.2	18.7	4.36	124.3							
	3rd	11:29	7.83	346.9	18.8	4.51	171.3							
	4th	11:31	7.87	328.7	18.8	4.47	102.4							
	5th	11:33	7.71	341.7	18.8	4.45	39.61							
NW-30	Initial	10:00	7.37	54.1	18.7	4.31	21.31			3		2.10		No odor
	1st	10:02	7.21	69.8	19.3	4.57	81.61			18		10.50		
	2nd	10:04	7.30	47.7	19.4	5.01	130.2							
	3rd	10:06	7.16	71.3	19.4	4.87	169.9							
	4th	10:08	7.13	64.7	19.3	4.69	76.43							
	5th	10:10	7.15	61.6	17.4	4.63	36.19							
TW-1	Initial	14:35	7.59	109.0	20.2	4.83	26.91			31		4.84		No odor
	1st	14:40	7.31	83.7	20.8	4.61	57.41			36		24.45		
	2nd	14:45	7.47	74.6	20.7	4.55	119.3							
	3rd	14:50	7.26	81.7	20.7	4.70	160.1							
	4th													
	5th													
TW-1	Initial	14:56	7.21	64.9	20.8	4.48	38.94							
	1st													
	2nd													
	3rd													
	4th													
	5th													

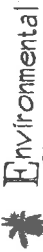
**= (Depth of Well) - (Depth to Water = Water Height)
One Well Volume = 0.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

**= One Well Volume x 5 = Gallons Purged (calculated)

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands

Environmental
Consultants, Inc.

Field Personnel:

R. S. S. C. H. S.

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

(Castal 76

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

Calibration Successful? Yes or No (Please Circle)

pH:

Conductivity:

Dissolved Oxygen:

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Gallons Purged actual

Notes

Well No.

Purge Volume

Sample Time

pH(i)

cond(i)

Temp. (°C)

DO (mg/l)

Turbidity (NTU)

Depth to (feet):

Initial H₂OFinal H₂O

Well Depth (feet)

Water Height (feet)

Gallons Purged

actual

Notes

TW-2

RW-1

RW-2

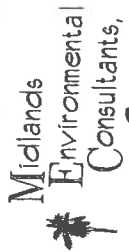
RW-3

*= (Depth of Well) - (Depth to Water = Water Height)
One Well Volume = 0.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

**= One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251



Field Personnel:

R. S. S. C. H. S.

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

COSTA 176

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

pH: Calibration Successful? Yes or No (Please Circle)
Conductivity: ☒ Yes ☐ No
Dissolved Oxygen: ☒ Yes ☐ No
Turbidity: ☒ Yes ☐ No

Well No.

Purge Volume

Sample Time

pH(I)

cond(I)

Temp. (°C)

DO (mg/l)

Turbidity (NTU)

Depth to (feet):

Initial H₂OFinal H₂O

Well Depth (feet)

Water Height (feet)

Gallons Purged

Notes

RW-4

RW-5

RW-6

DUP-1

DUP-2

* = (Depth of Well) - (Depth to Water = Water Height)
One Well Volume = 0.047 for 1" wells * x .163 for 2" wells, or * x .66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

** = One Well Volume x 5 = Gallons Purged (calculated)

Sampling Case#	Ph/Conductance SN	DO SN	Turbidity
Case #1	15H101448	12G102878	201301183
Case #2	15E101481	14H103098	201301174
Case #3	10K 101895	08B101407	201510251

Midlands


 Environmental
Consultants, Inc.

Field Personnel:

R. S. S., C. H., H. S.

Sampling Date(s):

4/20/2021

Sampling Case#:

3

Job Name:

Control 76

Job Number:

20-7518

Monitoring Well Purge And Sampling Data

Calibration Data for:

pH: Calibration Successful? Yes or No (Please Circle)

Conductivity:

Dissolved Oxygen:

Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Yes

No

Yes

No

Yes

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Yes

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April 28, 2021

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2021. 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,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Pace Analytical Services Charlotte

9800 Kinney Ave. Ste 100, Huntersville, NC 28078

Louisiana/NELAP Certification # LA170028

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92534563001	IGWA-R	Water	04/20/21 12:11	04/21/21 10:35
92534563002	MW-1	Water	04/20/21 14:10	04/21/21 10:35
92534563003	MW-2R	Water	04/20/21 12:54	04/21/21 10:35
92534563004	MW-3	Water	04/20/21 13:06	04/21/21 10:35
92534563005	MW-4	Water	04/20/21 15:13	04/21/21 10:35
92534563006	MW-5R	Water	04/20/21 11:45	04/21/21 10:35
92534563007	MW-6	Water	04/20/21 10:27	04/21/21 10:35
92534563008	MW-7R	Water	04/20/21 12:04	04/21/21 10:35
92534563009	MW-8	Water	04/20/21 11:47	04/21/21 10:35
92534563010	MW-10RRR	Water	04/20/21 11:28	04/21/21 10:35
92534563011	MW-11	Water	04/20/21 10:10	04/21/21 10:35
92534563012	MW-15R	Water	04/20/21 11:11	04/21/21 10:35
92534563013	MW-16R	Water	04/20/21 11:16	04/21/21 10:35
92534563014	MW-17R	Water	04/20/21 11:50	04/21/21 10:35
92534563015	MW-18	Water	04/20/21 12:02	04/21/21 10:35
92534563016	MW-19	Water	04/20/21 11:02	04/21/21 10:35
92534563017	MW-20	Water	04/20/21 10:50	04/21/21 10:35
92534563018	MW-22R	Water	04/20/21 11:54	04/21/21 10:35
92534563019	MW-22D	Water	04/20/21 11:36	04/21/21 10:35
92534563020	MW-24R	Water	04/20/21 10:27	04/21/21 10:35
92534563021	MW-25R	Water	04/20/21 10:38	04/21/21 10:35
92534563022	MW-25D	Water	04/20/21 10:32	04/21/21 10:35
92534563023	MW-26R	Water	04/20/21 10:44	04/21/21 10:35
92534563024	MW-27	Water	04/20/21 10:15	04/21/21 10:35
92534563025	MW-28	Water	04/20/21 10:54	04/21/21 10:35
92534563026	MW-29	Water	04/20/21 11:33	04/21/21 10:35
92534563027	MW-30	Water	04/20/21 10:30	04/21/21 10:35
92534563028	TW-1	Water	04/20/21 14:56	04/21/21 10:35
92534563029	TW-2	Water	04/20/21 11:30	04/21/21 10:35
92534563030	RW-1	Water	04/20/21 12:49	04/21/21 10:35
92534563031	RW-2	Water	04/20/21 13:53	04/21/21 10:35
92534563032	RW-3	Water	04/20/21 12:37	04/21/21 10:35
92534563033	RW-4	Water	04/20/21 13:41	04/21/21 10:35
92534563034	RW-5	Water	04/20/21 14:28	04/21/21 10:35
92534563035	RW-6	Water	04/20/21 14:57	04/21/21 10:35
92534563036	DUPLICATE 1	Water	04/20/21 12:54	04/21/21 10:35
92534563037	DUPLICATE 2	Water	04/20/21 14:28	04/21/21 10:35

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SAMPLE SUMMARY

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92534563038	FIELD BLANK	Water	04/20/21 15:10	04/21/21 10:35
92534563039	TRIP BLANK 1	Water	04/20/21 08:00	04/21/21 10:35
92534563040	TRIP BLANK 2	Water	04/20/21 08:00	04/21/21 10:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92534563001	IGWA-R	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563002	MW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	PM1	20	PASI-C
92534563003	MW-2R	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563004	MW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	PM1	20	PASI-C
92534563005	MW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563006	MW-5R	EPA 8011	HH	2	PASI-C
		EPA 8260D	PM1	20	PASI-C
92534563007	MW-6	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563008	MW-7R	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563009	MW-8	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563010	MW-10RRR	EPA 8011	HH	2	PASI-C
		EPA 8260D	PM1	20	PASI-C
92534563011	MW-11	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563012	MW-15R	EPA 8011	HH	2	PASI-C
		EPA 8260D	PM1	20	PASI-C
92534563013	MW-16R	EPA 8011	HH	2	PASI-C
		EPA 8260D	PM1	20	PASI-C
92534563014	MW-17R	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563015	MW-18	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563016	MW-19	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563017	MW-20	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563018	MW-22R	EPA 8011	HH	2	PASI-C
		EPA 8260D	PM1	20	PASI-C
92534563019	MW-22D	EPA 8011	HH	2	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92534563020	MW-24R	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563021	MW-25R	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563022	MW-25D	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563023	MW-26R	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563024	MW-27	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563025	MW-28	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563026	MW-29	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563027	MW-30	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563028	TW-1	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563029	TW-2	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563030	RW-1	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563031	RW-2	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563032	RW-3	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563033	RW-4	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563034	RW-5	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563035	RW-6	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563036	DUPLICATE 1	EPA 8260D	PM1	20	PASI-C
		EPA 8011	HH	2	PASI-C
92534563037	DUPLICATE 2	EPA 8260D	BSH	20	PASI-C
		EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92534563038	FIELD BLANK	EPA 8011	HH	2	PASI-C
		EPA 8260D	BSH	20	PASI-C
92534563039	TRIP BLANK 1	EPA 8260D	BSH	20	PASI-C
92534563040	TRIP BLANK 2	EPA 8260D	BSH	20	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: IGWA-R		Lab ID: 92534563001		Collected: 04/20/21 12:11		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0099	1	04/23/21 13:57	04/23/21 23:32	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	04/23/21 13:57	04/23/21 23:32	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 22:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 22:11	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/23/21 22:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 22:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 22:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 22:11	762-75-4	v1
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 22:11	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 22:11	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 22:11	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/23/21 22:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 22:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 22:11	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/23/21 22:11	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/23/21 22:11	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/23/21 22:11	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/23/21 22:11	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/23/21 22:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/23/21 22:11	460-00-4	
1,2-Dichloroethane-d4 (S)	121	%	70-130		1		04/23/21 22:11	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/23/21 22:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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Date: 04/28/2021 10:17 AM

Page 8 of 71

ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-1		Lab ID: 92534563002		Collected: 04/20/21 14:10		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	27.8	ug/L	1.0	0.49	50	04/23/21 13:57	04/26/21 11:06	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	04/23/21 13:57	04/26/21 11:06	301-79-56	S4
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		04/26/21 18:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		04/26/21 18:49	994-05-8	
Benzene	5490	ug/L	500	174	100		04/26/21 18:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		04/26/21 18:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		04/26/21 18:49	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		04/26/21 18:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	206	100		04/26/21 18:49	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		04/26/21 18:49	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		04/26/21 18:49	64-17-5	
Ethylbenzene	802	ug/L	500	184	100		04/26/21 18:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		04/26/21 18:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		04/26/21 18:49	1634-04-4	
Naphthalene	578	ug/L	500	209	100		04/26/21 18:49	91-20-3	
Toluene	12600	ug/L	500	201	100		04/26/21 18:49	108-88-3	
Xylene (Total)	7270	ug/L	500	500	100		04/26/21 18:49	1330-20-7	
m&p-Xylene	4330	ug/L	1000	411	100		04/26/21 18:49	179601-23-1	
o-Xylene	2940	ug/L	500	204	100		04/26/21 18:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		100		04/26/21 18:49	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		100		04/26/21 18:49	17060-07-0	
Toluene-d8 (S)	101	%	70-130		100		04/26/21 18:49	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-2R		Lab ID: 92534563003		Collected: 04/20/21 12:54		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	4.9	ug/L	0.21	0.10	10	04/23/21 13:57	04/26/21 11:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		10	04/23/21 13:57	04/26/21 11:17	301-79-56	S4
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		04/23/21 22:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		04/23/21 22:51	994-05-8	
Benzene	3380	ug/L	500	174	100		04/23/21 22:51	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		04/23/21 22:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		04/23/21 22:51	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		04/23/21 22:51	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	206	100		04/23/21 22:51	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		04/23/21 22:51	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		04/23/21 22:51	64-17-5	
Ethylbenzene	2680	ug/L	500	184	100		04/23/21 22:51	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		04/23/21 22:51	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		04/23/21 22:51	1634-04-4	
Naphthalene	768	ug/L	500	209	100		04/23/21 22:51	91-20-3	
Toluene	12400	ug/L	500	201	100		04/23/21 22:51	108-88-3	
Xylene (Total)	12100	ug/L	500	500	100		04/23/21 22:51	1330-20-7	
m&p-Xylene	8450	ug/L	1000	411	100		04/23/21 22:51	179601-23-1	
o-Xylene	3660	ug/L	500	204	100		04/23/21 22:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		100		04/23/21 22:51	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		100		04/23/21 22:51	17060-07-0	
Toluene-d8 (S)	95	%	70-130		100		04/23/21 22:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-3		Lab ID: 92534563004		Collected: 04/20/21 13:06		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.17	ug/L	0.020	0.0096	1	04/23/21 13:57	04/24/21 00:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	04/23/21 13:57	04/24/21 00:07	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		04/23/21 04:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		04/23/21 04:36	994-05-8	
Benzene	446	ug/L	125	43.5	25		04/23/21 04:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		04/23/21 04:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		04/23/21 04:36	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		04/23/21 04:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		04/23/21 04:36	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		04/23/21 04:36	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		04/23/21 04:36	64-17-5	
Ethylbenzene	768	ug/L	125	46.0	25		04/23/21 04:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		04/23/21 04:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		04/23/21 04:36	1634-04-4	
Naphthalene	522	ug/L	125	52.2	25		04/23/21 04:36	91-20-3	
Toluene	2900	ug/L	125	50.2	25		04/23/21 04:36	108-88-3	
Xylene (Total)	5030	ug/L	125	125	25		04/23/21 04:36	1330-20-7	
m&p-Xylene	3460	ug/L	250	103	25		04/23/21 04:36	179601-23-1	
o-Xylene	1570	ug/L	125	51.0	25		04/23/21 04:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		04/23/21 04:36	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		25		04/23/21 04:36	17060-07-0	
Toluene-d8 (S)	99	%	70-130		25		04/23/21 04:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-4		Lab ID: 92534563005		Collected: 04/20/21 15:13		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.19	ug/L	0.020	0.0099	1	04/23/21 13:57	04/24/21 00:19	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	04/23/21 13:57	04/24/21 00:19	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	400	262	4		04/23/21 18:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	40.0	12.2	4		04/23/21 18:04	994-05-8	
Benzene	254	ug/L	20.0	7.0	4		04/23/21 18:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	400	216	4		04/23/21 18:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	400	364	4		04/23/21 18:04	75-65-0	
tert-Butyl Formate	ND	ug/L	200	96.4	4		04/23/21 18:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	8.2	4		04/23/21 18:04	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	14.0	4		04/23/21 18:04	108-20-3	
Ethanol	ND	ug/L	800	576	4		04/23/21 18:04	64-17-5	
Ethylbenzene	26.5	ug/L	20.0	7.4	4		04/23/21 18:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	40.0	33.8	4		04/23/21 18:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	20.0	12.4	4		04/23/21 18:04	1634-04-4	
Naphthalene	88.6	ug/L	20.0	8.4	4		04/23/21 18:04	91-20-3	
Toluene	134	ug/L	20.0	8.0	4		04/23/21 18:04	108-88-3	
Xylene (Total)	1310	ug/L	20.0	20.0	4		04/23/21 18:04	1330-20-7	
m&p-Xylene	853	ug/L	40.0	16.4	4		04/23/21 18:04	179601-23-1	
o-Xylene	455	ug/L	20.0	8.2	4		04/23/21 18:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		4		04/23/21 18:04	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		4		04/23/21 18:04	17060-07-0	
Toluene-d8 (S)	98	%	70-130		4		04/23/21 18:04	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-5R		Lab ID: 92534563006		Collected: 04/20/21 11:45		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0098	1	04/23/21 13:57	04/24/21 00:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/23/21 13:57	04/24/21 00:30	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 22:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 22:53	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 22:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 22:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 22:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 22:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 22:53	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 22:53	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 22:53	64-17-5	
Ethylbenzene	45.7	ug/L	5.0	1.8	1		04/22/21 22:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 22:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 22:53	1634-04-4	
Naphthalene	25.5	ug/L	5.0	2.1	1		04/22/21 22:53	91-20-3	
Toluene	6.1	ug/L	5.0	2.0	1		04/22/21 22:53	108-88-3	
Xylene (Total)	175	ug/L	5.0	5.0	1		04/22/21 22:53	1330-20-7	
m&p-Xylene	138	ug/L	10.0	4.1	1		04/22/21 22:53	179601-23-1	
o-Xylene	37.5	ug/L	5.0	2.0	1		04/22/21 22:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/22/21 22:53	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/22/21 22:53	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/22/21 22:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-6		Lab ID: 92534563007		Collected: 04/20/21 10:27		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0098	1	04/23/21 13:57	04/24/21 00:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	04/23/21 13:57	04/24/21 00:42	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 17:08	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 17:08	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 17:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 17:08	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 17:08	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 17:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 17:08	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 17:08	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 17:08	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 17:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 17:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 17:08	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 17:08	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 17:08	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 17:08	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 17:08	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 17:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/22/21 17:08	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/22/21 17:08	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		04/22/21 17:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-7R		Lab ID: 92534563008		Collected: 04/20/21 12:04		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0096	1	04/23/21 13:57	04/24/21 00:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	04/23/21 13:57	04/24/21 00:53	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	200	131	2		04/23/21 22:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.1	2		04/23/21 22:48	994-05-8	
Benzene	ND	ug/L	10.0	3.5	2		04/23/21 22:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	108	2		04/23/21 22:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	182	2		04/23/21 22:48	75-65-0	v1
tert-Butyl Formate	ND	ug/L	100	48.2	2		04/23/21 22:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	4.1	2		04/23/21 22:48	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	7.0	2		04/23/21 22:48	108-20-3	
Ethanol	ND	ug/L	400	288	2		04/23/21 22:48	64-17-5	
Ethylbenzene	173	ug/L	10.0	3.7	2		04/23/21 22:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	16.9	2		04/23/21 22:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	10.0	6.2	2		04/23/21 22:48	1634-04-4	
Naphthalene	73.4	ug/L	10.0	4.2	2		04/23/21 22:48	91-20-3	
Toluene	ND	ug/L	10.0	4.0	2		04/23/21 22:48	108-88-3	
Xylene (Total)	469	ug/L	10.0	10.0	2		04/23/21 22:48	1330-20-7	
m&p-Xylene	437	ug/L	20.0	8.2	2		04/23/21 22:48	179601-23-1	
o-Xylene	32.0	ug/L	10.0	4.1	2		04/23/21 22:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		2		04/23/21 22:48	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130		2		04/23/21 22:48	17060-07-0	
Toluene-d8 (S)	104	%	70-130		2		04/23/21 22:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-8		Lab ID: 92534563009		Collected: 04/20/21 11:47		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0097	1	04/23/21 13:57	04/24/21 01:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		1	04/23/21 13:57	04/24/21 01:05	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 17:26	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 17:26	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 17:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 17:26	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 17:26	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 17:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 17:26	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 17:26	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 17:26	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 17:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 17:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 17:26	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 17:26	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 17:26	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 17:26	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 17:26	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 17:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/22/21 17:26	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		1		04/22/21 17:26	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		04/22/21 17:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-10RRR		Lab ID: 92534563010		Collected: 04/20/21 11:28		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0098	1	04/23/21 13:57	04/24/21 01:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	04/23/21 13:57	04/24/21 01:17	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 23:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 23:12	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 23:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 23:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 23:12	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 23:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 23:12	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 23:12	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 23:12	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 23:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 23:12	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 23:12	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 23:12	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 23:12	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 23:12	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 23:12	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 23:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/22/21 23:12	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/22/21 23:12	17060-07-0	
Toluene-d8 (S)	126	%	70-130		1		04/22/21 23:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-11		Lab ID: 92534563011		Collected: 04/20/21 10:10		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0098	1	04/23/21 13:57	04/24/21 01:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	04/23/21 13:57	04/24/21 01:28	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 17:44	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 17:44	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 17:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 17:44	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 17:44	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 17:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 17:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 17:44	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 17:44	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 17:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 17:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 17:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 17:44	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 17:44	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 17:44	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 17:44	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 17:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/22/21 17:44	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/22/21 17:44	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/22/21 17:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-15R		Lab ID: 92534563012		Collected: 04/20/21 11:11		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0096	1	04/23/21 13:57	04/24/21 01:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/23/21 13:57	04/24/21 01:40	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 23:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 23:30	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 23:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 23:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 23:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 23:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 23:30	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 23:30	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 23:30	64-17-5	
Ethylbenzene	6.8	ug/L	5.0	1.8	1		04/22/21 23:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 23:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 23:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 23:30	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 23:30	108-88-3	
Xylene (Total)	19.7	ug/L	5.0	5.0	1		04/22/21 23:30	1330-20-7	
m&p-Xylene	16.6	ug/L	10.0	4.1	1		04/22/21 23:30	179601-23-1	
o-Xylene	3.1J	ug/L	5.0	2.0	1		04/22/21 23:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/22/21 23:30	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		04/22/21 23:30	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/22/21 23:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-16R		Lab ID: 92534563013		Collected: 04/20/21 11:16		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0095	1	04/23/21 13:57	04/24/21 01:52	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	111	%	60-140		1	04/23/21 13:57	04/24/21 01:52	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 23:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 23:48	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 23:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 23:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 23:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 23:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 23:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 23:48	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 23:48	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 23:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 23:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 23:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 23:48	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 23:48	108-88-3	
Xylene (Total)	15.4	ug/L	5.0	5.0	1		04/22/21 23:48	1330-20-7	
m&p-Xylene	10.4	ug/L	10.0	4.1	1		04/22/21 23:48	179601-23-1	
o-Xylene	5.0	ug/L	5.0	2.0	1		04/22/21 23:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	81	%	70-130		1		04/22/21 23:48	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130		1		04/22/21 23:48	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/22/21 23:48	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-17R		Lab ID: 92534563014		Collected: 04/20/21 11:50		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	2.7	ug/L	0.097	0.048	5	04/23/21 13:57	04/26/21 11:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	132	%	60-140		5	04/23/21 13:57	04/26/21 11:29	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	721	ug/L	400	262	4		04/23/21 18:22	75-85-4	
tert-Amylmethyl ether	ND	ug/L	40.0	12.2	4		04/23/21 18:22	994-05-8	
Benzene	501	ug/L	20.0	7.0	4		04/23/21 18:22	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	400	216	4		04/23/21 18:22	624-95-3	
tert-Butyl Alcohol	ND	ug/L	400	364	4		04/23/21 18:22	75-65-0	
tert-Butyl Formate	ND	ug/L	200	96.4	4		04/23/21 18:22	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	8.2	4		04/23/21 18:22	107-06-2	
Diisopropyl ether	ND	ug/L	20.0	14.0	4		04/23/21 18:22	108-20-3	
Ethanol	ND	ug/L	800	576	4		04/23/21 18:22	64-17-5	
Ethylbenzene	209	ug/L	20.0	7.4	4		04/23/21 18:22	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	40.0	33.8	4		04/23/21 18:22	637-92-3	
Methyl-tert-butyl ether	82.9	ug/L	20.0	12.4	4		04/23/21 18:22	1634-04-4	
Naphthalene	108	ug/L	20.0	8.4	4		04/23/21 18:22	91-20-3	
Toluene	386	ug/L	20.0	8.0	4		04/23/21 18:22	108-88-3	
Xylene (Total)	1210	ug/L	20.0	20.0	4		04/23/21 18:22	1330-20-7	
m&p-Xylene	847	ug/L	40.0	16.4	4		04/23/21 18:22	179601-23-1	
o-Xylene	365	ug/L	20.0	8.2	4		04/23/21 18:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		4		04/23/21 18:22	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130		4		04/23/21 18:22	17060-07-0	
Toluene-d8 (S)	97	%	70-130		4		04/23/21 18:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-18		Lab ID: 92534563015		Collected: 04/20/21 12:02		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0097	1	04/23/21 13:57	04/24/21 02:15	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	114	%	60-140		1	04/23/21 13:57	04/24/21 02:15	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 18:02	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 18:02	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 18:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 18:02	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 18:02	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 18:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 18:02	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 18:02	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 18:02	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 18:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 18:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 18:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 18:02	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 18:02	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 18:02	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 18:02	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 18:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/22/21 18:02	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/22/21 18:02	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/22/21 18:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-19		Lab ID: 92534563016		Collected: 04/20/21 11:02		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0096	1	04/23/21 13:57	04/24/21 02:27	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	04/23/21 13:57	04/24/21 02:27	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 18:20	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 18:20	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 18:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 18:20	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 18:20	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 18:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 18:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 18:20	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 18:20	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 18:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 18:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 18:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 18:20	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 18:20	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 18:20	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 18:20	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 18:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/22/21 18:20	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-130		1		04/22/21 18:20	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/22/21 18:20	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-20		Lab ID: 92534563017		Collected: 04/20/21 10:50		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.010	1	04/26/21 09:13	04/26/21 16:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/26/21 09:13	04/26/21 16:17	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 18:38	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 18:38	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 18:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 18:38	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 18:38	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 18:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 18:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 18:38	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 18:38	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 18:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 18:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 18:38	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 18:38	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 18:38	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 18:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 18:38	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 18:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		04/22/21 18:38	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130		1		04/22/21 18:38	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/22/21 18:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-22R		Lab ID: 92534563018		Collected: 04/20/21 11:54		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0098	1	04/26/21 09:13	04/26/21 16:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/26/21 09:13	04/26/21 16:48	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 00:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 00:24	994-05-8	
Benzene	8.0	ug/L	5.0	1.7	1		04/23/21 00:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 00:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 00:24	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 00:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 00:24	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 00:24	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 00:24	64-17-5	
Ethylbenzene	77.5	ug/L	5.0	1.8	1		04/23/21 00:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 00:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 00:24	1634-04-4	
Naphthalene	42.4	ug/L	5.0	2.1	1		04/23/21 00:24	91-20-3	
Toluene	6.2	ug/L	5.0	2.0	1		04/23/21 00:24	108-88-3	
Xylene (Total)	92.2	ug/L	5.0	5.0	1		04/23/21 00:24	1330-20-7	
m&p-Xylene	76.8	ug/L	10.0	4.1	1		04/23/21 00:24	179601-23-1	
o-Xylene	15.4	ug/L	5.0	2.0	1		04/23/21 00:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	107	%	70-130		1		04/23/21 00:24	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/23/21 00:24	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/23/21 00:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-22D		Lab ID: 92534563019		Collected: 04/20/21 11:36		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0096	1	04/26/21 09:13	04/26/21 17:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/26/21 09:13	04/26/21 17:34	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 18:56	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 18:56	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 18:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 18:56	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 18:56	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 18:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 18:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 18:56	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 18:56	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 18:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 18:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 18:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 18:56	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 18:56	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 18:56	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 18:56	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 18:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/22/21 18:56	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/22/21 18:56	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/22/21 18:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-24R		Lab ID: 92534563020		Collected: 04/20/21 10:27		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0099	1	04/26/21 09:13	04/26/21 17:50	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/26/21 09:13	04/26/21 17:50	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 00:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 00:42	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/23/21 00:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 00:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 00:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 00:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 00:42	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 00:42	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 00:42	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/23/21 00:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 00:42	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 00:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/23/21 00:42	91-20-3	
Toluene	3.3J	ug/L	5.0	2.0	1		04/23/21 00:42	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/23/21 00:42	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/23/21 00:42	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/23/21 00:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/21 00:42	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/23/21 00:42	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/23/21 00:42	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-25R		Lab ID: 92534563021		Collected: 04/20/21 10:38		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0097	1	04/26/21 09:13	04/26/21 18:05	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	04/26/21 09:13	04/26/21 18:05	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 01:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 01:00	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/23/21 01:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 01:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 01:00	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 01:00	762-75-4	P5
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 01:00	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 01:00	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 01:00	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/23/21 01:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 01:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 01:00	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/23/21 01:00	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/23/21 01:00	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/23/21 01:00	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/23/21 01:00	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/23/21 01:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/21 01:00	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/23/21 01:00	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/23/21 01:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-25D		Lab ID: 92534563022		Collected: 04/20/21 10:32		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0097	1	04/26/21 09:13	04/26/21 18:20	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/26/21 09:13	04/26/21 18:20	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 01:18	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 01:18	994-05-8	
Benzene	6.3	ug/L	5.0	1.7	1		04/23/21 01:18	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 01:18	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 01:18	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 01:18	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 01:18	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 01:18	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 01:18	64-17-5	
Ethylbenzene	5.0J	ug/L	5.0	1.8	1		04/23/21 01:18	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 01:18	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 01:18	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/23/21 01:18	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/23/21 01:18	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/23/21 01:18	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/23/21 01:18	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/23/21 01:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		1		04/23/21 01:18	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		04/23/21 01:18	17060-07-0	
Toluene-d8 (S)	120	%	70-130		1		04/23/21 01:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-26R		Lab ID: 92534563023		Collected: 04/20/21 10:44		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0099	1	04/26/21 09:13	04/26/21 18:36	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	04/26/21 09:13	04/26/21 18:36	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 01:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 01:36	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/23/21 01:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 01:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 01:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 01:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 01:36	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 01:36	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 01:36	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/23/21 01:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 01:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 01:36	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/23/21 01:36	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/23/21 01:36	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/23/21 01:36	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/23/21 01:36	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/23/21 01:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		04/23/21 01:36	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/23/21 01:36	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		04/23/21 01:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-27		Lab ID: 92534563024		Collected: 04/20/21 10:15		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0096	1	04/26/21 09:13	04/26/21 18:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	04/26/21 09:13	04/26/21 18:51	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 19:14	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 19:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 19:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 19:14	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 19:14	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 19:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 19:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 19:14	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 19:14	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 19:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 19:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 19:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 19:14	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 19:14	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 19:14	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 19:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 19:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		04/22/21 19:14	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130		1		04/22/21 19:14	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		04/22/21 19:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: MW-28		Lab ID: 92534563025		Collected: 04/20/21 10:54		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0097	1	04/26/21 09:13	04/26/21 19:07	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	95	%	60-140		1	04/26/21 09:13	04/26/21 19:07	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 19:31	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 19:31	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 19:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 19:31	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 19:31	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 19:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 19:31	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 19:31	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 19:31	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 19:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 19:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 19:31	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 19:31	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 19:31	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 19:31	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 19:31	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 19:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/22/21 19:31	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/22/21 19:31	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/22/21 19:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-29		Lab ID: 92534563026		Collected: 04/20/21 11:33		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0097	1	04/26/21 09:13	04/26/21 19:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	04/26/21 09:13	04/26/21 19:22	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 01:54	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 01:54	994-05-8	
Benzene	3.2J	ug/L	5.0	1.7	1		04/23/21 01:54	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 01:54	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 01:54	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 01:54	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 01:54	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 01:54	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 01:54	64-17-5	
Ethylbenzene	4.6J	ug/L	5.0	1.8	1		04/23/21 01:54	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 01:54	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 01:54	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/23/21 01:54	91-20-3	
Toluene	13.7	ug/L	5.0	2.0	1		04/23/21 01:54	108-88-3	
Xylene (Total)	22.8	ug/L	5.0	5.0	1		04/23/21 01:54	1330-20-7	
m&p-Xylene	16.4	ug/L	10.0	4.1	1		04/23/21 01:54	179601-23-1	
o-Xylene	6.4	ug/L	5.0	2.0	1		04/23/21 01:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		04/23/21 01:54	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/23/21 01:54	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/23/21 01:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: MW-30		Lab ID: 92534563027		Collected: 04/20/21 10:30		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0095	1	04/26/21 09:13	04/26/21 19:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/26/21 09:13	04/26/21 19:38	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/23/21 02:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/23/21 02:30	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/23/21 02:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/23/21 02:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/23/21 02:30	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/23/21 02:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/23/21 02:30	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/23/21 02:30	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/23/21 02:30	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/23/21 02:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/23/21 02:30	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/23/21 02:30	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/23/21 02:30	91-20-3	
Toluene	2.6J	ug/L	5.0	2.0	1		04/23/21 02:30	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/23/21 02:30	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/23/21 02:30	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/23/21 02:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		04/23/21 02:30	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/23/21 02:30	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/23/21 02:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: TW-1		Lab ID: 92534563028		Collected: 04/20/21 14:56		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0097	1	04/26/21 09:13	04/26/21 19:53	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/26/21 09:13	04/26/21 19:53	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 19:49	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 19:49	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 19:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 19:49	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 19:49	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 19:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 19:49	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 19:49	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 19:49	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 19:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 19:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 19:49	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 19:49	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 19:49	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 19:49	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 19:49	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 19:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/22/21 19:49	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/22/21 19:49	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/22/21 19:49	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: TW-2		Lab ID: 92534563029		Collected: 04/20/21 11:30		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0096	1	04/26/21 09:13	04/26/21 20:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	04/26/21 09:13	04/26/21 20:08	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 20:07	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 20:07	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 20:07	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 20:07	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 20:07	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 20:07	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 20:07	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 20:07	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 20:07	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 20:07	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 20:07	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 20:07	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 20:07	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 20:07	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 20:07	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 20:07	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 20:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		04/22/21 20:07	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130		1		04/22/21 20:07	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/22/21 20:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: RW-1		Lab ID: 92534563030		Collected: 04/20/21 12:49		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.14	ug/L	0.020	0.0096	1	04/26/21 09:13	04/26/21 20:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	04/26/21 09:13	04/26/21 20:23	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	4000	2620	40		04/26/21 18:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	400	122	40		04/26/21 18:31	994-05-8	
Benzene	318	ug/L	200	69.6	40		04/26/21 18:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	4000	2160	40		04/26/21 18:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	4000	3640	40		04/26/21 18:31	75-65-0	
tert-Butyl Formate	ND	ug/L	2000	964	40		04/26/21 18:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	200	82.4	40		04/26/21 18:31	107-06-2	
Diisopropyl ether	ND	ug/L	200	140	40		04/26/21 18:31	108-20-3	
Ethanol	ND	ug/L	8000	5760	40		04/26/21 18:31	64-17-5	
Ethylbenzene	1930	ug/L	200	73.6	40		04/26/21 18:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	400	338	40		04/26/21 18:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	200	124	40		04/26/21 18:31	1634-04-4	
Naphthalene	610	ug/L	200	83.6	40		04/26/21 18:31	91-20-3	
Toluene	5770	ug/L	200	80.4	40		04/26/21 18:31	108-88-3	
Xylene (Total)	8350	ug/L	200	200	40		04/26/21 18:31	1330-20-7	
m&p-Xylene	5960	ug/L	400	164	40		04/26/21 18:31	179601-23-1	
o-Xylene	2400	ug/L	200	81.6	40		04/26/21 18:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		40		04/26/21 18:31	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		40		04/26/21 18:31	17060-07-0	
Toluene-d8 (S)	102	%	70-130		40		04/26/21 18:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: RW-2		Lab ID: 92534563031		Collected: 04/20/21 13:53		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	41.2	ug/L	0.99	0.49	50	04/26/21 09:13	04/27/21 09:16	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	0	%	60-140		50	04/26/21 09:13	04/27/21 09:16	301-79-56	S4
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	20000	13100	200		04/23/21 23:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	608	200		04/23/21 23:27	994-05-8	
Benzene	6030	ug/L	1000	348	200		04/23/21 23:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	10800	200		04/23/21 23:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	18200	200		04/23/21 23:27	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	4820	200		04/23/21 23:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	412	200		04/23/21 23:27	107-06-2	
Diisopropyl ether	ND	ug/L	1000	698	200		04/23/21 23:27	108-20-3	
Ethanol	ND	ug/L	40000	28800	200		04/23/21 23:27	64-17-5	
Ethylbenzene	2670	ug/L	1000	368	200		04/23/21 23:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	1690	200		04/23/21 23:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	620	200		04/23/21 23:27	1634-04-4	
Naphthalene	840J	ug/L	1000	418	200		04/23/21 23:27	91-20-3	
Toluene	20200	ug/L	1000	402	200		04/23/21 23:27	108-88-3	
Xylene (Total)	13700	ug/L	1000	1000	200		04/23/21 23:27	1330-20-7	
m&p-Xylene	9220	ug/L	2000	822	200		04/23/21 23:27	179601-23-1	
o-Xylene	4430	ug/L	1000	408	200		04/23/21 23:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		200		04/23/21 23:27	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		200		04/23/21 23:27	17060-07-0	
Toluene-d8 (S)	95	%	70-130		200		04/23/21 23:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: RW-3		Lab ID: 92534563032		Collected: 04/20/21 12:37		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.063	ug/L	0.020	0.0099	1	04/26/21 09:13	04/26/21 20:54	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/26/21 09:13	04/26/21 20:54	301-79-56	
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	174J	ug/L	200	131	2		04/23/21 23:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	20.0	6.1	2		04/23/21 23:06	994-05-8	
Benzene	60.5	ug/L	10.0	3.5	2		04/23/21 23:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	200	108	2		04/23/21 23:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	200	182	2		04/23/21 23:06	75-65-0	v1
tert-Butyl Formate	ND	ug/L	100	48.2	2		04/23/21 23:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	4.1	2		04/23/21 23:06	107-06-2	
Diisopropyl ether	ND	ug/L	10.0	7.0	2		04/23/21 23:06	108-20-3	
Ethanol	ND	ug/L	400	288	2		04/23/21 23:06	64-17-5	
Ethylbenzene	117	ug/L	10.0	3.7	2		04/23/21 23:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	20.0	16.9	2		04/23/21 23:06	637-92-3	
Methyl-tert-butyl ether	27.4	ug/L	10.0	6.2	2		04/23/21 23:06	1634-04-4	
Naphthalene	51.9	ug/L	10.0	4.2	2		04/23/21 23:06	91-20-3	
Toluene	197	ug/L	10.0	4.0	2		04/23/21 23:06	108-88-3	
Xylene (Total)	722	ug/L	10.0	10.0	2		04/23/21 23:06	1330-20-7	
m&p-Xylene	531	ug/L	20.0	8.2	2		04/23/21 23:06	179601-23-1	
o-Xylene	191	ug/L	10.0	4.1	2		04/23/21 23:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		2		04/23/21 23:06	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-130		2		04/23/21 23:06	17060-07-0	
Toluene-d8 (S)	104	%	70-130		2		04/23/21 23:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: RW-4		Lab ID: 92534563033		Collected: 04/20/21 13:41		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.19	ug/L	0.020	0.0096	1	04/26/21 09:13	04/26/21 21:09	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	04/26/21 09:13	04/26/21 21:09	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	396J	ug/L	500	328	5		04/23/21 18:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	15.2	5		04/23/21 18:58	994-05-8	
Benzene	287	ug/L	25.0	8.7	5		04/23/21 18:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	270	5		04/23/21 18:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	455	5		04/23/21 18:58	75-65-0	
tert-Butyl Formate	ND	ug/L	250	120	5		04/23/21 18:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	10.3	5		04/23/21 18:58	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	17.4	5		04/23/21 18:58	108-20-3	
Ethanol	ND	ug/L	1000	720	5		04/23/21 18:58	64-17-5	
Ethylbenzene	342	ug/L	25.0	9.2	5		04/23/21 18:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	42.3	5		04/23/21 18:58	637-92-3	
Methyl-tert-butyl ether	34.9	ug/L	25.0	15.5	5		04/23/21 18:58	1634-04-4	
Naphthalene	132	ug/L	25.0	10.4	5		04/23/21 18:58	91-20-3	
Toluene	580	ug/L	25.0	10.0	5		04/23/21 18:58	108-88-3	
Xylene (Total)	1510	ug/L	25.0	25.0	5		04/23/21 18:58	1330-20-7	
m&p-Xylene	1090	ug/L	50.0	20.6	5		04/23/21 18:58	179601-23-1	
o-Xylene	418	ug/L	25.0	10.2	5		04/23/21 18:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		5		04/23/21 18:58	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		5		04/23/21 18:58	17060-07-0	
Toluene-d8 (S)	95	%	70-130		5		04/23/21 18:58	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: RW-5		Lab ID: 92534563034		Collected: 04/20/21 14:28		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.34	ug/L	0.020	0.0097	1	04/26/21 09:13	04/26/21 21:25	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	04/26/21 09:13	04/26/21 21:25	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		04/24/21 00:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		04/24/21 00:00	994-05-8	
Benzene	577	ug/L	125	43.5	25		04/24/21 00:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		04/24/21 00:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		04/24/21 00:00	75-65-0	v1
tert-Butyl Formate	ND	ug/L	1250	602	25		04/24/21 00:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		04/24/21 00:00	107-06-2	M1
Diisopropyl ether	ND	ug/L	125	87.2	25		04/24/21 00:00	108-20-3	M1
Ethanol	ND	ug/L	5000	3600	25		04/24/21 00:00	64-17-5	
Ethylbenzene	1320	ug/L	125	46.0	25		04/24/21 00:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		04/24/21 00:00	637-92-3	M1
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		04/24/21 00:00	1634-04-4	
Naphthalene	473	ug/L	125	52.2	25		04/24/21 00:00	91-20-3	
Toluene	4090	ug/L	125	50.2	25		04/24/21 00:00	108-88-3	
Xylene (Total)	5850	ug/L	125	125	25		04/24/21 00:00	1330-20-7	
m&p-Xylene	4260	ug/L	250	103	25		04/24/21 00:00	179601-23-1	
o-Xylene	1590	ug/L	125	51.0	25		04/24/21 00:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		25		04/24/21 00:00	460-00-4	
1,2-Dichloroethane-d4 (S)	118	%	70-130		25		04/24/21 00:00	17060-07-0	
Toluene-d8 (S)	104	%	70-130		25		04/24/21 00:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: RW-6		Lab ID: 92534563035		Collected: 04/20/21 14:57		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	1.6	ug/L	0.040	0.019	2	04/26/21 09:13	04/27/21 09:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	116	%	60-140		2	04/26/21 09:13	04/27/21 09:31	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	5000	3280	50		04/22/21 19:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	152	50		04/22/21 19:53	994-05-8	
Benzene	1100	ug/L	250	87.0	50		04/22/21 19:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	2700	50		04/22/21 19:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	4550	50		04/22/21 19:53	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	1200	50		04/22/21 19:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	103	50		04/22/21 19:53	107-06-2	
Diisopropyl ether	ND	ug/L	250	174	50		04/22/21 19:53	108-20-3	
Ethanol	ND	ug/L	10000	7200	50		04/22/21 19:53	64-17-5	
Ethylbenzene	1630	ug/L	250	92.0	50		04/22/21 19:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	423	50		04/22/21 19:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	155	50		04/22/21 19:53	1634-04-4	
Naphthalene	500	ug/L	250	104	50		04/22/21 19:53	91-20-3	
Toluene	5750	ug/L	250	100	50		04/22/21 19:53	108-88-3	
Xylene (Total)	7670	ug/L	250	250	50		04/22/21 19:53	1330-20-7	
m&p-Xylene	5590	ug/L	500	206	50		04/22/21 19:53	179601-23-1	
o-Xylene	2090	ug/L	250	102	50		04/22/21 19:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		50		04/22/21 19:53	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		50		04/22/21 19:53	17060-07-0	
Toluene-d8 (S)	100	%	70-130		50		04/22/21 19:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: DUPLICATE 1		Lab ID: 92534563036		Collected: 04/20/21 12:54		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	4.2	ug/L	0.099	0.048	5	04/26/21 09:13	04/27/21 09:47	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	142	%	60-140		5	04/26/21 09:13	04/27/21 09:47	301-79-56	S5
8260 MSV Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	10000	6560	100		04/23/21 22:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	304	100		04/23/21 22:33	994-05-8	
Benzene	3420	ug/L	500	174	100		04/23/21 22:33	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5390	100		04/23/21 22:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	9100	100		04/23/21 22:33	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2410	100		04/23/21 22:33	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	206	100		04/23/21 22:33	107-06-2	
Diisopropyl ether	ND	ug/L	500	349	100		04/23/21 22:33	108-20-3	
Ethanol	ND	ug/L	20000	14400	100		04/23/21 22:33	64-17-5	
Ethylbenzene	2590	ug/L	500	184	100		04/23/21 22:33	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	846	100		04/23/21 22:33	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	500	310	100		04/23/21 22:33	1634-04-4	
Naphthalene	806	ug/L	500	209	100		04/23/21 22:33	91-20-3	
Toluene	11800	ug/L	500	201	100		04/23/21 22:33	108-88-3	
Xylene (Total)	11400	ug/L	500	500	100		04/23/21 22:33	1330-20-7	
m&p-Xylene	7930	ug/L	1000	411	100		04/23/21 22:33	179601-23-1	
o-Xylene	3490	ug/L	500	204	100		04/23/21 22:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		100		04/23/21 22:33	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		100		04/23/21 22:33	17060-07-0	
Toluene-d8 (S)	93	%	70-130		100		04/23/21 22:33	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: DUPLICATE 2 Lab ID: 92534563037 Collected: 04/20/21 14:28 Received: 04/21/21 10:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	0.33	ug/L	0.020	0.0097	1	04/26/21 09:13	04/26/21 23:12	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	04/26/21 09:13	04/26/21 23:12	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	2500	1640	25		04/23/21 21:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	76.0	25		04/23/21 21:57	994-05-8	
Benzene	672	ug/L	125	43.5	25		04/23/21 21:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1350	25		04/23/21 21:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	2280	25		04/23/21 21:57	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	602	25		04/23/21 21:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	51.5	25		04/23/21 21:57	107-06-2	
Diisopropyl ether	ND	ug/L	125	87.2	25		04/23/21 21:57	108-20-3	
Ethanol	ND	ug/L	5000	3600	25		04/23/21 21:57	64-17-5	
Ethylbenzene	1470	ug/L	125	46.0	25		04/23/21 21:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	212	25		04/23/21 21:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	125	77.5	25		04/23/21 21:57	1634-04-4	
Naphthalene	505	ug/L	125	52.2	25		04/23/21 21:57	91-20-3	
Toluene	4690	ug/L	125	50.2	25		04/23/21 21:57	108-88-3	
Xylene (Total)	6400	ug/L	125	125	25		04/23/21 21:57	1330-20-7	
m&p-Xylene	4570	ug/L	250	103	25		04/23/21 21:57	179601-23-1	
o-Xylene	1830	ug/L	125	51.0	25		04/23/21 21:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		25		04/23/21 21:57	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		25		04/23/21 21:57	17060-07-0	
Toluene-d8 (S)	96	%	70-130		25		04/23/21 21:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: FIELD BLANK		Lab ID: 92534563038		Collected: 04/20/21 15:10		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0098	1	04/26/21 09:13	04/26/21 23:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	04/26/21 09:13	04/26/21 23:28	301-79-56	
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 16:14	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 16:14	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 16:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 16:14	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 16:14	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 16:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 16:14	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 16:14	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 16:14	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 16:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 16:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 16:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 16:14	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 16:14	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 16:14	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 16:14	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 16:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		04/22/21 16:14	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130		1		04/22/21 16:14	17060-07-0	
Toluene-d8 (S)	94	%	70-130		1		04/22/21 16:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

Sample: TRIP BLANK 1 Lab ID: 92534563039 Collected: 04/20/21 08:00 Received: 04/21/21 10:35 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 16:32	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 16:32	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 16:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 16:32	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 16:32	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 16:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 16:32	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 16:32	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 16:32	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 16:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 16:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 16:32	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 16:32	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 16:32	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 16:32	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 16:32	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 16:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		04/22/21 16:32	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/22/21 16:32	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		04/22/21 16:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Sample: TRIP BLANK 2		Lab ID: 92534563040		Collected: 04/20/21 08:00		Received: 04/21/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		04/22/21 16:50	75-85-4	v1
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		04/22/21 16:50	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		04/22/21 16:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		04/22/21 16:50	624-95-3	v1
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		04/22/21 16:50	75-65-0	L1
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		04/22/21 16:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		04/22/21 16:50	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		04/22/21 16:50	108-20-3	
Ethanol	ND	ug/L	200	144	1		04/22/21 16:50	64-17-5	v1
Ethylbenzene	ND	ug/L	5.0	1.8	1		04/22/21 16:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		04/22/21 16:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		04/22/21 16:50	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		04/22/21 16:50	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		04/22/21 16:50	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		04/22/21 16:50	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		04/22/21 16:50	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		04/22/21 16:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	106	%	70-130		1		04/22/21 16:50	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		04/22/21 16:50	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		04/22/21 16:50	2037-26-5	

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch: 615560	Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D	Analysis Description: 8260 MSV SC
	Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92534563035

METHOD BLANK: 3239284 Matrix: Water
Associated Lab Samples: 92534563035

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	04/22/21 11:12	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	04/22/21 11:12	
Benzene	ug/L	ND	5.0	1.7	04/22/21 11:12	
Diisopropyl ether	ug/L	ND	5.0	3.5	04/22/21 11:12	
Ethanol	ug/L	ND	200	144	04/22/21 11:12	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	04/22/21 11:12	
Ethylbenzene	ug/L	ND	5.0	1.8	04/22/21 11:12	
m&p-Xylene	ug/L	ND	10.0	4.1	04/22/21 11:12	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	04/22/21 11:12	
Naphthalene	ug/L	ND	5.0	2.1	04/22/21 11:12	
o-Xylene	ug/L	ND	5.0	2.0	04/22/21 11:12	
tert-Amyl Alcohol	ug/L	ND	100	65.6	04/22/21 11:12	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	04/22/21 11:12	
tert-Butyl Alcohol	ug/L	ND	100	91.0	04/22/21 11:12	
tert-Butyl Formate	ug/L	ND	50.0	24.1	04/22/21 11:12	
Toluene	ug/L	ND	5.0	2.0	04/22/21 11:12	
Xylene (Total)	ug/L	ND	5.0	5.0	04/22/21 11:12	
1,2-Dichloroethane-d4 (S)	%	102	70-130		04/22/21 11:12	
4-Bromofluorobenzene (S)	%	98	70-130		04/22/21 11:12	
Toluene-d8 (S)	%	101	70-130		04/22/21 11:12	

LABORATORY CONTROL SAMPLE: 3239285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.2	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1030	103	70-130	
Benzene	ug/L	50	48.5	97	70-130	
Diisopropyl ether	ug/L	50	47.0	94	70-130	
Ethanol	ug/L	2000	2090	105	70-130	
Ethyl-tert-butyl ether	ug/L	100	101	101	70-130	
Ethylbenzene	ug/L	50	48.0	96	70-130	
m&p-Xylene	ug/L	100	99.8	100	70-130	
Methyl-tert-butyl ether	ug/L	50	48.2	96	70-130	
Naphthalene	ug/L	50	51.6	103	70-130	
o-Xylene	ug/L	50	48.8	98	70-130	
tert-Amyl Alcohol	ug/L	1000	1020	102	70-130	
tert-Amylmethyl ether	ug/L	100	101	101	70-130	
tert-Butyl Alcohol	ug/L	500	511	102	70-130	
tert-Butyl Formate	ug/L	400	414	104	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

LABORATORY CONTROL SAMPLE: 3239285

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	48.8	98	70-130	
Xylene (Total)	ug/L	150	149	99	70-130	
1,2-Dichloroethane-d4 (S)	%			101	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3239286 3239287

Parameter	Units	92534563035 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	1000	1000	1230	1230	123	123	70-137	0	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	20000	20000	24000	24000	120	120	39-157	0	30	
Benzene	ug/L	1100	1000	1000	2430	2430	133	133	70-151	0	30	
Diisopropyl ether	ug/L	ND	1000	1000	1130	1130	113	113	63-144	0	30	
Ethanol	ug/L	ND	40000	40000	48200	48200	121	121	39-176	0	30	
Ethyl-tert-butyl ether	ug/L	ND	2000	2000	2490	2490	125	125	66-137	0	30	
Ethylbenzene	ug/L	1630	1000	1000	2680	2680	105	105	66-153	0	30	
m&p-Xylene	ug/L	5590	2000	2000	7000	7000	70	70	69-152	0	30	
Methyl-tert-butyl ether	ug/L	ND	1000	1000	1250	1250	125	125	54-156	0	30	
Naphthalene	ug/L	500	1000	1000	1580	1580	108	108	61-148	0	30	
o-Xylene	ug/L	2090	1000	1000	3020	3020	93	93	70-148	0	30	
tert-Amyl Alcohol	ug/L	ND	20000	20000	25100	25100	126	126	54-153	0	30	
tert-Amylmethyl ether	ug/L	ND	2000	2000	2460	2460	123	123	69-139	0	30	
tert-Butyl Alcohol	ug/L	ND	10000	10000	12900	12900	129	129	43-188	0	30	
tert-Butyl Formate	ug/L	ND	8000	8000	7120	7120	89	89	10-170	0	30	
Toluene	ug/L	5750	1000	1000	6710	6710	96	96	59-148	0	30	
Xylene (Total)	ug/L	7670	3000	3000	10000	10000	78	78	63-158	0	30	
1,2-Dichloroethane-d4 (S)	%						96	96	70-130			
4-Bromofluorobenzene (S)	%						99	99	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch:	615564	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte
Associated Lab Samples:	92534563004, 92534563006, 92534563010, 92534563012, 92534563013, 92534563018, 92534563020, 92534563021, 92534563022, 92534563023, 92534563026, 92534563027		

METHOD BLANK:	3239296	Matrix:	Water
Associated Lab Samples:	92534563004, 92534563006, 92534563010, 92534563012, 92534563013, 92534563018, 92534563020, 92534563021, 92534563022, 92534563023, 92534563026, 92534563027		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	04/22/21 22:35	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	04/22/21 22:35	
Benzene	ug/L	ND	5.0	1.7	04/22/21 22:35	
Diisopropyl ether	ug/L	ND	5.0	3.5	04/22/21 22:35	
Ethanol	ug/L	ND	200	144	04/22/21 22:35	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	04/22/21 22:35	
Ethylbenzene	ug/L	ND	5.0	1.8	04/22/21 22:35	
m&p-Xylene	ug/L	ND	10.0	4.1	04/22/21 22:35	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	04/22/21 22:35	
Naphthalene	ug/L	ND	5.0	2.1	04/22/21 22:35	
o-Xylene	ug/L	ND	5.0	2.0	04/22/21 22:35	
tert-Amyl Alcohol	ug/L	ND	100	65.6	04/22/21 22:35	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	04/22/21 22:35	
tert-Butyl Alcohol	ug/L	ND	100	91.0	04/22/21 22:35	
tert-Butyl Formate	ug/L	ND	50.0	24.1	04/22/21 22:35	
Toluene	ug/L	ND	5.0	2.0	04/22/21 22:35	
Xylene (Total)	ug/L	ND	5.0	5.0	04/22/21 22:35	
1,2-Dichloroethane-d4 (S)	%	103	70-130		04/22/21 22:35	
4-Bromofluorobenzene (S)	%	98	70-130		04/22/21 22:35	
Toluene-d8 (S)	%	100	70-130		04/22/21 22:35	

LABORATORY CONTROL SAMPLE: 3239297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	49.8	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1050	105	70-130	
Benzene	ug/L	50	49.3	99	70-130	
Diisopropyl ether	ug/L	50	50.1	100	70-130	
Ethanol	ug/L	2000	2090	105	70-130	
Ethyl-tert-butyl ether	ug/L	100	106	106	70-130	
Ethylbenzene	ug/L	50	48.8	98	70-130	
m&p-Xylene	ug/L	100	99.0	99	70-130	
Methyl-tert-butyl ether	ug/L	50	51.8	104	70-130	
Naphthalene	ug/L	50	52.1	104	70-130	
o-Xylene	ug/L	50	49.3	99	70-130	
tert-Amyl Alcohol	ug/L	1000	1010	101	70-130	
tert-Amylmethyl ether	ug/L	100	100	100	70-130	

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76

Pace Project No.: 92534563

LABORATORY CONTROL SAMPLE: 3239297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	500	542	108	70-130	
tert-Butyl Formate	ug/L	400	428	107	70-130	
Toluene	ug/L	50	49.3	99	70-130	
Xylene (Total)	ug/L	150	148	99	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3239298 3239299

Parameter	Units	92534563021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	22.0	22.7	110	113	70-137	3	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	401	415	100	104	39-157	3	30	
Benzene	ug/L	ND	20	20	23.5	23.6	117	118	70-151	0	30	
Diisopropyl ether	ug/L	ND	20	20	20.2	20.0	101	100	63-144	1	30	
Ethanol	ug/L	ND	800	800	803	870	100	109	39-176	8	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	44.8	44.7	112	112	66-137	0	30	
Ethylbenzene	ug/L	ND	20	20	21.0	21.6	105	108	66-153	3	30	
m&p-Xylene	ug/L	ND	40	40	40.9	41.8	102	105	69-152	2	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	21.9	22.1	109	111	54-156	1	30	
Naphthalene	ug/L	ND	20	20	17.6	18.7	88	94	61-148	6	30	
o-Xylene	ug/L	ND	20	20	20.7	20.6	103	103	70-148	0	30	
tert-Amyl Alcohol	ug/L	ND	400	400	408	430	102	107	54-153	5	30	
tert-Amylmethyl ether	ug/L	ND	40	40	43.3	43.7	108	109	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	200	200	272	282	136	141	43-188	4	30	
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	0	0	10-170		30	P5
Toluene	ug/L	ND	20	20	22.3	22.6	111	113	59-148	2	30	
Xylene (Total)	ug/L	ND	60	60	61.6	62.4	103	104	63-158	1	30	
1,2-Dichloroethane-d4 (S)	%						94	95	70-130			
4-Bromofluorobenzene (S)	%						104	101	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch:	615566	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92534563007, 92534563009, 92534563011, 92534563015, 92534563016, 92534563017, 92534563019, 92534563024, 92534563025, 92534563028, 92534563029, 92534563038, 92534563039, 92534563040

METHOD BLANK: 3239301 Matrix: Water
Associated Lab Samples: 92534563007, 92534563009, 92534563011, 92534563015, 92534563016, 92534563017, 92534563019, 92534563024, 92534563025, 92534563028, 92534563029, 92534563038, 92534563039, 92534563040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	04/22/21 15:38	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	04/22/21 15:38	v1
Benzene	ug/L	ND	5.0	1.7	04/22/21 15:38	
Diisopropyl ether	ug/L	ND	5.0	3.5	04/22/21 15:38	
Ethanol	ug/L	ND	200	144	04/22/21 15:38	v1
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	04/22/21 15:38	
Ethylbenzene	ug/L	ND	5.0	1.8	04/22/21 15:38	
m&p-Xylene	ug/L	ND	10.0	4.1	04/22/21 15:38	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	04/22/21 15:38	
Naphthalene	ug/L	ND	5.0	2.1	04/22/21 15:38	
o-Xylene	ug/L	ND	5.0	2.0	04/22/21 15:38	
tert-Amyl Alcohol	ug/L	ND	100	65.6	04/22/21 15:38	v1
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	04/22/21 15:38	
tert-Butyl Alcohol	ug/L	ND	100	91.0	04/22/21 15:38	
tert-Butyl Formate	ug/L	ND	50.0	24.1	04/22/21 15:38	
Toluene	ug/L	ND	5.0	2.0	04/22/21 15:38	
Xylene (Total)	ug/L	ND	5.0	5.0	04/22/21 15:38	
1,2-Dichloroethane-d4 (S)	%	127	70-130		04/22/21 15:38	
4-Bromofluorobenzene (S)	%	94	70-130		04/22/21 15:38	
Toluene-d8 (S)	%	97	70-130		04/22/21 15:38	

LABORATORY CONTROL SAMPLE: 3239302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.4	105	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1270	127	70-130	v1
Benzene	ug/L	50	48.6	97	70-130	
Diisopropyl ether	ug/L	50	56.7	113	70-130	
Ethanol	ug/L	2000	2400	120	70-130	
Ethyl-tert-butyl ether	ug/L	100	116	116	70-130	
Ethylbenzene	ug/L	50	52.0	104	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methyl-tert-butyl ether	ug/L	50	52.8	106	70-130	
Naphthalene	ug/L	50	57.4	115	70-130	
o-Xylene	ug/L	50	51.7	103	70-130	
tert-Amyl Alcohol	ug/L	1000	1210	121	70-130	v1
tert-Amylmethyl ether	ug/L	100	103	103	70-130	

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

LABORATORY CONTROL SAMPLE: 3239302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	500	679	136	70-130	L1,v1
tert-Butyl Formate	ug/L	400	461	115	70-130	
Toluene	ug/L	50	48.4	97	70-130	
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichloroethane-d4 (S)	%			111	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3239303 3239304

Parameter	Units	92534581010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	29.2	33.8	146	169	70-137	15	30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	516	571	129	143	39-157	10	30	
Benzene	ug/L	ND	20	20	26.8	29.3	134	147	70-151	9	30	
Diisopropyl ether	ug/L	ND	20	20	30.4	34.4	152	172	63-144	12	30	M1,v1
Ethanol	ug/L	ND	800	800	1230	1370	154	171	39-176	11	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	61.9	70.7	155	177	66-137	13	30	M1
Ethylbenzene	ug/L	ND	20	20	25.8	28.6	129	143	66-153	10	30	
m&p-Xylene	ug/L	ND	40	40	51.4	57.0	129	143	69-152	10	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	29.0	33.5	145	167	54-156	14	30	M1
Naphthalene	ug/L	ND	20	20	25.9	28.3	129	142	61-148	9	30	
o-Xylene	ug/L	ND	20	20	24.1	26.2	121	131	70-148	8	30	
tert-Amyl Alcohol	ug/L	ND	400	400	524	575	131	144	54-153	9	30	
tert-Amylmethyl ether	ug/L	ND	40	40	53.1	59.0	133	148	69-139	11	30	M1
tert-Butyl Alcohol	ug/L	ND	200	200	425	496	212	248	43-188	15	30	M0
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	13	9	10-170		30	P5
Toluene	ug/L	ND	20	20	25.3	28.6	126	143	59-148	12	30	
Xylene (Total)	ug/L	ND	60	60	75.5	83.3	126	139	63-158	10	30	
1,2-Dichloroethane-d4 (S)	%						116	130	70-130			
4-Bromofluorobenzene (S)	%						104	105	70-130			
Toluene-d8 (S)	%						104	102	70-130			

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch: 615875 Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92534563001, 92534563008, 92534563032, 92534563034

METHOD BLANK: 3240990 Matrix: Water
Associated Lab Samples: 92534563001, 92534563008, 92534563032, 92534563034

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	04/23/21 14:55	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	04/23/21 14:55	
Benzene	ug/L	ND	5.0	1.7	04/23/21 14:55	
Diisopropyl ether	ug/L	ND	5.0	3.5	04/23/21 14:55	
Ethanol	ug/L	ND	200	144	04/23/21 14:55	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	04/23/21 14:55	
Ethylbenzene	ug/L	ND	5.0	1.8	04/23/21 14:55	
m&p-Xylene	ug/L	ND	10.0	4.1	04/23/21 14:55	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	04/23/21 14:55	
Naphthalene	ug/L	ND	5.0	2.1	04/23/21 14:55	
o-Xylene	ug/L	ND	5.0	2.0	04/23/21 14:55	
tert-Amyl Alcohol	ug/L	ND	100	65.6	04/23/21 14:55	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	04/23/21 14:55	
tert-Butyl Alcohol	ug/L	ND	100	91.0	04/23/21 14:55	v1
tert-Butyl Formate	ug/L	ND	50.0	24.1	04/23/21 14:55	
Toluene	ug/L	ND	5.0	2.0	04/23/21 14:55	
Xylene (Total)	ug/L	ND	5.0	5.0	04/23/21 14:55	
1,2-Dichloroethane-d4 (S)	%	121	70-130		04/23/21 14:55	
4-Bromofluorobenzene (S)	%	104	70-130		04/23/21 14:55	
Toluene-d8 (S)	%	102	70-130		04/23/21 14:55	

LABORATORY CONTROL SAMPLE: 3240991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	57.9	116	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1110	111	70-130	
Benzene	ug/L	50	52.7	105	70-130	
Diisopropyl ether	ug/L	50	60.2	120	70-130	
Ethanol	ug/L	2000	2430	122	70-130	
Ethyl-tert-butyl ether	ug/L	100	123	123	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
m&p-Xylene	ug/L	100	106	106	70-130	
Methyl-tert-butyl ether	ug/L	50	57.5	115	70-130	
Naphthalene	ug/L	50	56.3	113	70-130	
o-Xylene	ug/L	50	49.0	98	70-130	
tert-Amyl Alcohol	ug/L	1000	1080	108	70-130	
tert-Amylmethyl ether	ug/L	100	108	108	70-130	
tert-Butyl Alcohol	ug/L	500	586	117	70-130 v1	
tert-Butyl Formate	ug/L	400	480	120	70-130	

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

LABORATORY CONTROL SAMPLE: 3240991

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	51.0	102	70-130	
Xylene (Total)	ug/L	150	155	103	70-130	
1,2-Dichloroethane-d4 (S)	%			110	70-130	
4-Bromofluorobenzene (S)	%			104	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3240992 3240993

Parameter	Units	92534563034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	500	500	760	754	152	151	70-137	1	30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	10000	10000	13900	14400	139	144	39-157	4	30	
Benzene	ug/L	577	500	500	1290	1260	142	136	70-151	2	30	
Diisopropyl ether	ug/L	ND	500	500	790	748	158	150	63-144	6	30	M1,v1
Ethanol	ug/L	ND	20000	20000	32200	29600	161	148	39-176	8	30	
Ethyl-tert-butyl ether	ug/L	ND	1000	1000	1620	1590	162	159	66-137	2	30	M1
Ethylbenzene	ug/L	1320	500	500	2010	1990	138	133	66-153	1	30	
m&p-Xylene	ug/L	4260	1000	1000	5590	5460	134	121	69-152	2	30	
Methyl-tert-butyl ether	ug/L	ND	500	500	767	735	153	147	54-156	4	30	
Naphthalene	ug/L	473	500	500	1090	1130	124	132	61-148	3	30	
o-Xylene	ug/L	1590	500	500	2260	2200	133	122	70-148	3	30	
tert-Amyl Alcohol	ug/L	ND	10000	10000	13900	14200	139	142	54-153	2	30	
tert-Amylmethyl ether	ug/L	ND	1000	1000	1360	1340	136	134	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	5000	5000	7920	8010	158	160	43-188	1	30	
tert-Butyl Formate	ug/L	ND	4000	4000	5810	5690	145	142	10-170	2	30	
Toluene	ug/L	4090	500	500	4790	4760	142	136	59-148	1	30	
Xylene (Total)	ug/L	5850	1500	1500	7850	7670	134	121	63-158	2	30	
1,2-Dichloroethane-d4 (S)	%						116	115	70-130			
4-Bromofluorobenzene (S)	%						104	106	70-130			
Toluene-d8 (S)	%						102	105	70-130			

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch:	615878	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92534563003, 92534563005, 92534563014, 92534563031, 92534563033, 92534563036, 92534563037

METHOD BLANK: 3241002 Matrix: Water
Associated Lab Samples: 92534563003, 92534563005, 92534563014, 92534563031, 92534563033, 92534563036, 92534563037

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	04/23/21 14:30	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	04/23/21 14:30	
Benzene	ug/L	ND	5.0	1.7	04/23/21 14:30	
Diisopropyl ether	ug/L	ND	5.0	3.5	04/23/21 14:30	
Ethanol	ug/L	ND	200	144	04/23/21 14:30	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	04/23/21 14:30	
Ethylbenzene	ug/L	ND	5.0	1.8	04/23/21 14:30	
m&p-Xylene	ug/L	ND	10.0	4.1	04/23/21 14:30	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	04/23/21 14:30	
Naphthalene	ug/L	ND	5.0	2.1	04/23/21 14:30	
o-Xylene	ug/L	ND	5.0	2.0	04/23/21 14:30	
tert-Amyl Alcohol	ug/L	ND	100	65.6	04/23/21 14:30	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	04/23/21 14:30	
tert-Butyl Alcohol	ug/L	ND	100	91.0	04/23/21 14:30	
tert-Butyl Formate	ug/L	ND	50.0	24.1	04/23/21 14:30	
Toluene	ug/L	ND	5.0	2.0	04/23/21 14:30	
Xylene (Total)	ug/L	ND	5.0	5.0	04/23/21 14:30	
1,2-Dichloroethane-d4 (S)	%	109	70-130		04/23/21 14:30	
4-Bromofluorobenzene (S)	%	105	70-130		04/23/21 14:30	
Toluene-d8 (S)	%	97	70-130		04/23/21 14:30	

LABORATORY CONTROL SAMPLE: 3241003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	52.9	106	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1190	119	70-130	
Benzene	ug/L	50	48.5	97	70-130	
Diisopropyl ether	ug/L	50	53.4	107	70-130	
Ethanol	ug/L	2000	2330	116	70-130	
Ethyl-tert-butyl ether	ug/L	100	111	111	70-130	
Ethylbenzene	ug/L	50	50.1	100	70-130	
m&p-Xylene	ug/L	100	99.8	100	70-130	
Methyl-tert-butyl ether	ug/L	50	54.1	108	70-130	
Naphthalene	ug/L	50	55.7	111	70-130	
o-Xylene	ug/L	50	49.6	99	70-130	
tert-Amyl Alcohol	ug/L	1000	1140	114	70-130	
tert-Amylmethyl ether	ug/L	100	102	102	70-130	
tert-Butyl Alcohol	ug/L	500	634	127	70-130	
tert-Butyl Formate	ug/L	400	460	115	70-130	

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

LABORATORY CONTROL SAMPLE: 3241003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	47.7	95	70-130	
Xylene (Total)	ug/L	150	149	100	70-130	
1,2-Dichloroethane-d4 (S)	%			114	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3241004 3241005

Parameter	Units	92534420007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	8000	8000	12000	10400	150	130	70-137	14	30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	160000	160000	204000	187000	127	117	39-157	8	30	
Benzene	ug/L	5140	8000	8000	16100	15600	137	131	70-151	3	30	
Diisopropyl ether	ug/L	ND	8000	8000	13300	12000	155	139	63-144	10	30	M1,v1
Ethanol	ug/L	ND	320000	320000	484000	436000	151	136	39-176	10	30	
Ethyl-tert-butyl ether	ug/L	ND	16000	16000	25500	22000	159	138	66-137	15	30	M1
Ethylbenzene	ug/L	3630	8000	8000	14300	13100	133	118	66-153	9	30	
m&p-Xylene	ug/L	13800	16000	16000	34700	33000	131	120	69-152	5	30	
Methyl-tert-butyl ether	ug/L	ND	8000	8000	12000	10400	150	130	54-156	14	30	
Naphthalene	ug/L	ND	8000	8000	11500	10600	132	121	61-148	8	30	
o-Xylene	ug/L	6710	8000	8000	16100	15300	118	107	70-148	5	30	
tert-Amyl Alcohol	ug/L	ND	160000	160000	203000	187000	127	117	54-153	8	30	
tert-Amylmethyl ether	ug/L	ND	16000	16000	21600	19100	135	120	69-139	12	30	
tert-Butyl Alcohol	ug/L	ND	80000	80000	113000	98700	141	123	43-188	14	30	
tert-Butyl Formate	ug/L	ND	64000	64000	97700	85000	153	133	10-170	14	30	
Toluene	ug/L	40200	8000	8000	49800	54900	119	183	59-148	10	30	M1
Xylene (Total)	ug/L	20500	24000	24000	50800	48300	126	116	63-158	5	30	
1,2-Dichloroethane-d4 (S)	%						123	121	70-130			
4-Bromofluorobenzene (S)	%						105	102	70-130			
Toluene-d8 (S)	%						103	102	70-130			

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch: 616191	Analysis Method: EPA 8260D
QC Batch Method: EPA 8260D	Analysis Description: 8260 MSV SC
	Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92534563002, 92534563030

METHOD BLANK: 3242725 Matrix: Water

Associated Lab Samples: 92534563002, 92534563030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	04/26/21 17:19	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	04/26/21 17:19	
Benzene	ug/L	ND	5.0	1.7	04/26/21 17:19	
Diisopropyl ether	ug/L	ND	5.0	3.5	04/26/21 17:19	
Ethanol	ug/L	ND	200	144	04/26/21 17:19	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	04/26/21 17:19	
Ethylbenzene	ug/L	ND	5.0	1.8	04/26/21 17:19	
m&p-Xylene	ug/L	ND	10.0	4.1	04/26/21 17:19	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	04/26/21 17:19	
Naphthalene	ug/L	ND	5.0	2.1	04/26/21 17:19	
o-Xylene	ug/L	ND	5.0	2.0	04/26/21 17:19	
tert-Amyl Alcohol	ug/L	ND	100	65.6	04/26/21 17:19	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	04/26/21 17:19	
tert-Butyl Alcohol	ug/L	ND	100	91.0	04/26/21 17:19	
tert-Butyl Formate	ug/L	ND	50.0	24.1	04/26/21 17:19	
Toluene	ug/L	ND	5.0	2.0	04/26/21 17:19	
Xylene (Total)	ug/L	ND	5.0	5.0	04/26/21 17:19	
1,2-Dichloroethane-d4 (S)	%	111	70-130		04/26/21 17:19	
4-Bromofluorobenzene (S)	%	97	70-130		04/26/21 17:19	
Toluene-d8 (S)	%	103	70-130		04/26/21 17:19	

LABORATORY CONTROL SAMPLE: 3242726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	58.9	118	70-130	
3,3-Dimethyl-1-Butanol	ug/L	1000	1190	119	70-130	
Benzene	ug/L	50	56.2	112	70-130	
Diisopropyl ether	ug/L	50	58.6	117	70-130	
Ethanol	ug/L	2000	2510	126	70-130	
Ethyl-tert-butyl ether	ug/L	100	125	125	70-130	
Ethylbenzene	ug/L	50	56.1	112	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	59.5	119	70-130	
Naphthalene	ug/L	50	62.9	126	70-130	
o-Xylene	ug/L	50	56.1	112	70-130	
tert-Amyl Alcohol	ug/L	1000	1140	114	70-130	
tert-Amylmethyl ether	ug/L	100	113	113	70-130	
tert-Butyl Alcohol	ug/L	500	628	126	70-130	
tert-Butyl Formate	ug/L	400	505	126	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

LABORATORY CONTROL SAMPLE: 3242726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	50	56.5	113	70-130	
Xylene (Total)	ug/L	150	170	113	70-130	
1,2-Dichloroethane-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3242727 3242728

Parameter	Units	92534563002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	2000	2000	2280	2200	114	110	70-137	4	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	40000	40000	40000	39100	100	98	39-157	2	30	
Benzene	ug/L	5490	2000	2000	7780	7780	115	115	70-151	0	30	
Diisopropyl ether	ug/L	ND	2000	2000	2050	1990	103	99	63-144	3	30	
Ethanol	ug/L	ND	80000	80000	84600	84700	106	106	39-176	0	30	
Ethyl-tert-butyl ether	ug/L	ND	4000	4000	4540	4410	113	110	66-137	3	30	
Ethylbenzene	ug/L	802	2000	2000	2810	2830	101	102	66-153	1	30	
m&p-Xylene	ug/L	4330	4000	4000	7830	7880	87	89	69-152	1	30	
Methyl-tert-butyl ether	ug/L	ND	2000	2000	2300	2220	115	111	54-156	3	30	
Naphthalene	ug/L	578	2000	2000	2430	2360	93	89	61-148	3	30	
o-Xylene	ug/L	2940	2000	2000	4600	4590	83	82	70-148	0	30	
tert-Amyl Alcohol	ug/L	ND	40000	40000	44700	43000	108	104	54-153	4	30	
tert-Amylmethyl ether	ug/L	ND	4000	4000	4460	4290	111	107	69-139	4	30	
tert-Butyl Alcohol	ug/L	ND	20000	20000	21400	20800	107	104	43-188	3	30	
tert-Butyl Formate	ug/L	ND	16000	16000	15200	15000	95	94	10-170	1	30	
Toluene	ug/L	12600	2000	2000	13800	13800	62	60	59-148	0	30	
Xylene (Total)	ug/L	7270	6000	6000	12400	12500	86	87	63-158	0	30	
1,2-Dichloroethane-d4 (S)	%						91	93	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						101	100	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch:	615811	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Charlotte
Associated Lab Samples:	92534563001, 92534563002, 92534563003, 92534563004, 92534563005, 92534563006, 92534563007, 92534563008, 92534563009, 92534563010, 92534563011, 92534563012, 92534563013, 92534563014, 92534563015, 92534563016		

METHOD BLANK:	3240523	Matrix:	Water
Associated Lab Samples:	92534563001, 92534563002, 92534563003, 92534563004, 92534563005, 92534563006, 92534563007, 92534563008, 92534563009, 92534563010, 92534563011, 92534563012, 92534563013, 92534563014, 92534563015, 92534563016		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0096	04/23/21 21:35	
1-Chloro-2-bromopropane (S)	%	122	60-140		04/23/21 21:35	

LABORATORY CONTROL SAMPLE & LCSD: 3240524			3240525							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.24	0.26	0.28	109	112	60-140	5	20	
1-Chloro-2-bromopropane (S)	%				110	112	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3240527		3240528									
Parameter	Units	92534513015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
1,2-Dibromoethane (EDB)	ug/L	ND	0.24	0.24	0.28	0.27	114	112	60-140	1	20		
1-Chloro-2-bromopropane (S)	%						103	103	60-140				

SAMPLE DUPLICATE: 3240526						
Parameter	Units	92534513014 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	111	108			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch:	616081	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92534563017, 92534563018, 92534563019, 92534563020, 92534563021, 92534563022, 92534563023, 92534563024, 92534563025, 92534563026, 92534563027, 92534563028, 92534563029, 92534563030, 92534563031, 92534563032, 92534563033, 92534563034, 92534563035, 92534563036

METHOD BLANK:	3242031	Matrix:	Water
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Associated Lab Samples: 92534563017, 92534563018, 92534563019, 92534563020, 92534563021, 92534563022, 92534563023, 92534563024, 92534563025, 92534563026, 92534563027, 92534563028, 92534563029, 92534563030, 92534563031, 92534563032, 92534563033, 92534563034, 92534563035, 92534563036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0098	04/26/21 15:31	
1-Chloro-2-bromopropane (S)	%	100	60-140		04/26/21 15:31	

LABORATORY CONTROL SAMPLE & LCSD:	3242032	3242033
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Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.25	0.27	101	109	60-140	7	20	
1-Chloro-2-bromopropane (S)	%				100	107	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3242035	3242036
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Parameter	Units	92534563018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.24	0.25	97	98	60-140	1	20	
1-Chloro-2-bromopropane (S)	%						98	99	60-140			

SAMPLE DUPLICATE:	3242034
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Parameter	Units	92534563017 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	100	102			

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QUALITY CONTROL DATA

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

QC Batch: 616082	Analysis Method: EPA 8011
QC Batch Method: EPA 8011	Analysis Description: GCS 8011 EDB DBCP
	Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92534563037, 92534563038

METHOD BLANK: 3242037 Matrix: Water
Associated Lab Samples: 92534563037, 92534563038

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0098	04/26/21 22:26	
1-Chloro-2-bromopropane (S)	%	115	60-140		04/26/21 22:26	

LABORATORY CONTROL SAMPLE & LCSD: 3242038		3242039								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.27	0.27	110	106	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				107	105	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3242041				3242042								
Parameter	Units	92534581002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.29	0.30	116	120	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						111	115	60-140			

SAMPLE DUPLICATE: 3242040

Parameter	Units	92534581001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	105	108			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92534563001	IGWA-R	EPA 8011	615811	EPA 8011	615940
92534563002	MW-1	EPA 8011	615811	EPA 8011	615940
92534563003	MW-2R	EPA 8011	615811	EPA 8011	615940
92534563004	MW-3	EPA 8011	615811	EPA 8011	615940
92534563005	MW-4	EPA 8011	615811	EPA 8011	615940
92534563006	MW-5R	EPA 8011	615811	EPA 8011	615940
92534563007	MW-6	EPA 8011	615811	EPA 8011	615940
92534563008	MW-7R	EPA 8011	615811	EPA 8011	615940
92534563009	MW-8	EPA 8011	615811	EPA 8011	615940
92534563010	MW-10RRR	EPA 8011	615811	EPA 8011	615940
92534563011	MW-11	EPA 8011	615811	EPA 8011	615940
92534563012	MW-15R	EPA 8011	615811	EPA 8011	615940
92534563013	MW-16R	EPA 8011	615811	EPA 8011	615940
92534563014	MW-17R	EPA 8011	615811	EPA 8011	615940
92534563015	MW-18	EPA 8011	615811	EPA 8011	615940
92534563016	MW-19	EPA 8011	615811	EPA 8011	615940
92534563017	MW-20	EPA 8011	616081	EPA 8011	616234
92534563018	MW-22R	EPA 8011	616081	EPA 8011	616234
92534563019	MW-22D	EPA 8011	616081	EPA 8011	616234
92534563020	MW-24R	EPA 8011	616081	EPA 8011	616234
92534563021	MW-25R	EPA 8011	616081	EPA 8011	616234
92534563022	MW-25D	EPA 8011	616081	EPA 8011	616234
92534563023	MW-26R	EPA 8011	616081	EPA 8011	616234
92534563024	MW-27	EPA 8011	616081	EPA 8011	616234
92534563025	MW-28	EPA 8011	616081	EPA 8011	616234
92534563026	MW-29	EPA 8011	616081	EPA 8011	616234
92534563027	MW-30	EPA 8011	616081	EPA 8011	616234
92534563028	TW-1	EPA 8011	616081	EPA 8011	616234
92534563029	TW-2	EPA 8011	616081	EPA 8011	616234
92534563030	RW-1	EPA 8011	616081	EPA 8011	616234
92534563031	RW-2	EPA 8011	616081	EPA 8011	616234
92534563032	RW-3	EPA 8011	616081	EPA 8011	616234
92534563033	RW-4	EPA 8011	616081	EPA 8011	616234
92534563034	RW-5	EPA 8011	616081	EPA 8011	616234
92534563035	RW-6	EPA 8011	616081	EPA 8011	616234
92534563036	DUPLICATE 1	EPA 8011	616081	EPA 8011	616234
92534563037	DUPLICATE 2	EPA 8011	616082	EPA 8011	616235
92534563038	FIELD BLANK	EPA 8011	616082	EPA 8011	616235
92534563001	IGWA-R	EPA 8260D	615875		
92534563002	MW-1	EPA 8260D	616191		
92534563003	MW-2R	EPA 8260D	615878		
92534563004	MW-3	EPA 8260D	615564		
92534563005	MW-4	EPA 8260D	615878		
92534563006	MW-5R	EPA 8260D	615564		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 03538 COASTAL TRUCK STOP 76
Pace Project No.: 92534563

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92534563007	MW-6	EPA 8260D	615566		
92534563008	MW-7R	EPA 8260D	615875		
92534563009	MW-8	EPA 8260D	615566		
92534563010	MW-10RRR	EPA 8260D	615564		
92534563011	MW-11	EPA 8260D	615566		
92534563012	MW-15R	EPA 8260D	615564		
92534563013	MW-16R	EPA 8260D	615564		
92534563014	MW-17R	EPA 8260D	615878		
92534563015	MW-18	EPA 8260D	615566		
92534563016	MW-19	EPA 8260D	615566		
92534563017	MW-20	EPA 8260D	615566		
92534563018	MW-22R	EPA 8260D	615564		
92534563019	MW-22D	EPA 8260D	615566		
92534563020	MW-24R	EPA 8260D	615564		
92534563021	MW-25R	EPA 8260D	615564		
92534563022	MW-25D	EPA 8260D	615564		
92534563023	MW-26R	EPA 8260D	615564		
92534563024	MW-27	EPA 8260D	615566		
92534563025	MW-28	EPA 8260D	615566		
92534563026	MW-29	EPA 8260D	615564		
92534563027	MW-30	EPA 8260D	615564		
92534563028	TW-1	EPA 8260D	615566		
92534563029	TW-2	EPA 8260D	615566		
92534563030	RW-1	EPA 8260D	616191		
92534563031	RW-2	EPA 8260D	615878		
92534563032	RW-3	EPA 8260D	615875		
92534563033	RW-4	EPA 8260D	615878		
92534563034	RW-5	EPA 8260D	615875		
92534563035	RW-6	EPA 8260D	615560		
92534563036	DUPLICATE 1	EPA 8260D	615878		
92534563037	DUPLICATE 2	EPA 8260D	615878		
92534563038	FIELD BLANK	EPA 8260D	615566		
92534563039	TRIP BLANK 1	EPA 8260D	615566		
92534563040	TRIP BLANK 2	EPA 8260D	615566		

REPORT OF LABORATORY ANALYSIS

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W0#: 92534563

CHAIN-OF-CUSTODY Analytical Request Document

LAB

Number of

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

Company: MEOT

Address: 231 Nadel Rd

Report To: B. Stone

Copy To:

Email To: JLL@MEOT.net

Site Collection Info/Address:

State: SC

County/City: Florence

Time Zone Collected: MT

Customer Project Name/Number: Coastal Truck Stop 76

Phone: 864-03538

Site/Facility ID #:

Purchase Order #:

Quote #:

Turnaround Date Required:

Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day

Field Filtered (if applicable): [] Yes [] No

Analysis:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID

Matrix *

Comp / Grab

Collected (or Composite Start)

Date

Time

Composite End

Date

Time

Res

CI

of Cms

Wet

Blue

Dry

None

Type of Ice Used:

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N (NA)

Received by/Company: (Signature)

Date/Time: 4/21 10:35

Received by/Company: (Signature)

Date/Time: 4/21 1520

Received by/Company: (Signature)

Date/Time:

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2615905

Samples received via: FEDEX UPS Client Courier

Date/Time: 4/21 1035

Date/Time: 4/21 1520

Date/Time:

Table #:

Accum:

Template:

Prelogin:

PM:

PB:

Lab Sample Temperature Info:

Temp Blank Received: Y N

Therm IDH: 92534563

Cooler 1 Temp Upon Receipt: 23.0C

Cooler 1 Therm Corr. Factor: 0.0C

Cooler 1 Corrected Temp: 23.0C

Comments:

Temp Blank Received: Y N

HCL MeOH TSP Other

Non Conformance(s):

Page: of:

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA

Custody Signatures Present Y N NA

Collector Signatures Present Y N NA

Bottles Intact Y N NA

Correct Bottles Y N NA

Sufficient Volume Y N NA

Samples Received on Ice Y N NA

VOA - Headspace Acceptable Y N NA

USDA Regulated Soils Y N NA

Samples in Holding Time Y N NA

Residual Chlorine Present Y N NA

Cl Strips: Y N NA

Sample pH Acceptable Y N NA

pH Strips: Y N NA

Sulfide Present Y N NA

Lead Acetate Strips: Y N NA

LAB USE ONLY:

Lab Sample # / Comments:

92534563

nd odor 001

odor 002

odor 003

slight odor 004

slight odor 005

slight odor 006

nd odor 007

slight odor 008

nd odor 009

WO#: 92534563

ber or

CHAIN-OF-CUSTODY Analytical Request Document

LAB USE O

PM: AMB Due Date: 04/28/21
CLIENT: 92-MIDLAND

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Billing Information:

Company:

MECD

Address: 231 Duval Rd

Report To: V. Shene

Copy To:

Email To: JLC@MECD.net

Site Collection Info/Address:

Customer Project Name/Number:

Coastal Truck Stop 76

Phone:

Email: VST-03538

Collected By (print):

Handwritten Signature

Collected By (Signature):

Handwritten Signature

Sample Disposal:

[] Dispose as appropriate [] Return
[] Archive [] Hold:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Res Cl	# of Ctns
			Date	Time		
mw-9	GW	6	4/20/21	11:28		6
mw-10	GW	1		10:10		1
mw-11	GW	6	4/20/21	11:11		6
mw-12	GW	1		11:16		1
mw-13	GW	1		11:50		1
mw-14	GW	1		12:07		1
mw-15	GW	1		11:02		1
mw-16	GW	1		10:50		1

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used:

Wet

Blue Dry None

Packing Material Used:

bubble bags

Radchem sample(s) screened (<500 cpm):

Y N NA

Y N NA

Relinquished by/Company (Signature)

Handwritten Signature

Date/Time:

4/21 10:35

Received by/Company (Signature)

Josh Mallas

Date/Time:

4/21 1520

Relinquished by/Company (Signature)

Josh Mallas

Date/Time:

4/21 1520

Relinquished by/Company (Signature)

Josh Mallas

Date/Time:

4/21 1520

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: Y N NA
Sample pH Acceptable Y N NA
pH Strips: Y N NA
Sulfide Present Y N NA
Lead Acetate Strips: Y N NA

LAB USE ONLY:
Lab Sample # / Comments:

92534563

Lab Sample Temperature Info:

Temp Blank Received: Y N NA
Therm ID#: 92534563
Cooler 1 Temp Upon Receipt: 2.3 OC
Cooler 1 Therm Corr. Factor: 0 OC
Cooler 1 Corrected Temp: 2.3 OC

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Compliance(s):
YES / NO

Page: of:

Pace Analytical		CHAIN-OF-CUSTODY Analytical Request Document				LAB US		W0# : 92534563		Lumber or	
Company: MECI		Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields				PM: AMB		Due Date: 04/28/21			
Address:		Billing Information:				CLIENT: 92-MIDLAND					
Report To: B. Shave		Email To: Joe meci - mt				Contain:		Lab Project Manager:			
Copy To:		Site Collection Info/Address: 2513 East Pulmer St				3					
Customer Project Name/Number: Coastal 76		State: SC County/City: Florence Time Zone Collected: ET				3					
Phone: 843-3533		Site/Facility ID #: Ust #03533				Analyses		Lab Profile/Line:		Lab Sample Receipt Checklist:	
Email: Chaz Hansen		Purchase Order #: Ust #03533				Compliance Monitoring?		Custody Seals Present/Intact		Y N NA	
Collected By (print): Chaz Hansen		Quote #: Ust #03533				DW PWS ID #:		Custody Signatures Present		Y N NA	
Collected By (signature): Chaz Hansen		Turnaround Date Required:				DW Location Code:		Collector Signature Present		Y N NA	
Sample Disposal:		Rush:				Immediately Packed on Ice:		Bottles Intact		Y N NA	
[] Same Day [] Next Day		[] Yes [] No				Field Filtered (if applicable):		Correct Bottles		Y N NA	
[] 12 Day [] 3 Day [] 4 Day [] 5 Day		[] Yes [] No				Analysis:		Sufficient Volume		Y N NA	
[] Archive: Ust #03533		Analysis:						Samples Received on Ice		Y N NA	
[] Hold:								VOA - Headspace Acceptable		Y N NA	
* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)								USDA Regulated Soils		Y N NA	
Customer Sample ID		Matrix *		Comp / Grab		Collected (or Composite Start) Date Time		Composite End Date Time		Res Cl	
mw-21		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-22R		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-22B		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-24R		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-25R		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-26R		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-27		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-28		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
mw-29		Gw		6		4/20/21 11:54		4/20/21 11:54		6	
Customer Remarks / Special Conditions / Possible Hazards:		Type of Ice Used: Wet				Blue Dry None		SHORT HOLDS PRESENT (<72 hours): Y N N/A		Lab Sample Temperature Info:	
		Packing Material Used: bubble bags						Lab Tracking #: 2618930		Temp Blank Received: Y N NA	
		Radchem sample(s) screened (<500 cpm): Y N NA						Samples received via: FEDEX UPS Client Courier		Therm ID#: 228004	
Relinquished by/Company: (Signature) Joe meci		Date/Time: 4/21 10:35		Received by/Company: (Signature) Josh Mallas		Date/Time: 4/21 10:35		Table #: MTL LAB-EST ONLY		Cooler 1 Temp Upon Receipt: 22.8	
Relinquished by/Company: (Signature) Josh Mallas		Date/Time: 4/21 1520		Received by/Company: (Signature) Josh Mallas		Date/Time: 4/21 1520		Accnum: 2618930		Cooler 1 Therm Corr. Factor: 0.0	
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:		Template: PM: PB:		Cooler 1 Corrected Temp: 22.8	
								Trip Blank Received: Y N NA		Comments:	
								Non Conformance(s): YES / NO		Page: of:	



Sample Receiving Non-Conformance Form (NCF)

Date: 4/22/21	Evaluated by: HND
Client: MECI	

WO#: 92534563	Pace per
PM: AMB	Due Date: 04/28/21
CLIENT: 92-MIDLAND	

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

Collection date/time missing or incorrect	Analyses or analytes: missing or clarification needed	Samples listed on COC do not match samples received (missing, additional, etc.)
Sample IDs on COC do not match sample labels	Required trip blanks were not received	Required signatures are missing

Comments/Details/Other Issues not listed above:

3. Sample integrity issues: check applicable issues below and add details where appropriate:

Samples: Past holding time	Samples: Condition needs to be brought to lab personnel's attention (details below)	Preservation: Improper
Samples: Not field filtered	Containers: Broken or compromised	Temperature: not within acceptance criteria (typically 0-6C)
Samples: Insufficient volume received	Containers: Incorrect	Temperature: Samples arrived frozen
Samples: Cooler damaged or compromised	Custody Seals: Missing or compromised on samples, trip blanks or coolers	☒ Vials received with improper headspace
Samples: contain chlorine or sulfides	Packing Material: Insufficient/Improper	Other:

Comments/Details: The following samples have improper headspace: 1 vial in MW-4, 1 vial MW-24R, 3 vials in TW-1, 2 vials in RW-3, 1 vial in RW-4.

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

April 28, 2021

Mr. Bryan Shane
Midlands Environmental
PO Box 854
Lexington, SC 29071

RE: Project: Coastal 76 03538
Pace Project No.: 92534730

Dear Mr. Shane:

Enclosed are the analytical results for sample(s) received by the laboratory on April 21, 2021. 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,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental
Mr. Kyle Pudney, Midlands Environmental



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Coastal 76 03538
Pace Project No.: 92534730

Pace Analytical Services Charlotte

9800 Kinney Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

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SAMPLE SUMMARY

Project: Coastal 76 03538
Pace Project No.: 92534730

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92534730001	WSW-1	Water	04/20/21 15:25	04/21/21 10:35
92534730002	WSW-1 DUP	Water	04/20/21 15:25	04/21/21 10:35
92534730003	WSW-FIELD BLANK	Water	04/20/21 15:30	04/21/21 10:35
92534730004	WSW-TRIP BLANK	Water	04/20/21 08:00	04/21/21 10:35

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SAMPLE ANALYTE COUNT

Project: Coastal 76 03538

Pace Project No.: 92534730

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92534730001	WSW-1	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	NSCQ	11	PASI-C
92534730002	WSW-1 DUP	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	NSCQ	11	PASI-C
92534730003	WSW-FIELD BLANK	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	NSCQ	11	PASI-C
92534730004	WSW-TRIP BLANK	EPA 524.2	LMB	11	PASI-C
		EPA 8260D	NSCQ	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 03538

Pace Project No.: 92534730

Sample: WSW-1		Lab ID: 92534730001		Collected: 04/20/21 15:25		Received: 04/21/21 10:35		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-Dibromoethane (EDB)	ND	ug/L	0.020	0.013	1	04/27/21 14:38	04/27/21 17:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	70-130		1	04/27/21 14:38	04/27/21 17:30	301-79-56	
524.2 MSV SC List Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte									
Benzene	ND	ug/L	0.50	0.21	1		04/26/21 19:30	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.16	1		04/26/21 19:30	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.22	1		04/26/21 19:30	100-41-4	
Methyl-tert-butyl ether	2.2	ug/L	0.50	0.14	1		04/26/21 19:30	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.35	1		04/26/21 19:30	91-20-3	
Toluene	ND	ug/L	0.50	0.20	1		04/26/21 19:30	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.22	1		04/26/21 19:30	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.39	1		04/26/21 19:30	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.22	1		04/26/21 19:30	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	94	%	70-130		1		04/26/21 19:30	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130		1		04/26/21 19:30	460-00-4	
8260 MSV Low Level SC Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/21 07:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/21 07:15	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/21 07:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/21 07:15	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/21 07:15	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/21 07:15	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/21 07:15	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/21 07:15	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		04/24/21 07:15	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/24/21 07:15	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/24/21 07:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 03538

Pace Project No.: 92534730

Sample: WSW-1 DUP		Lab ID: 92534730002		Collected: 04/20/21 15:25		Received: 04/21/21 10:35		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-Dibromoethane (EDB)	ND	ug/L	0.021	0.013	1	04/27/21 14:38	04/27/21 17:46	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	99	%	70-130		1	04/27/21 14:38	04/27/21 17:46	301-79-56	
524.2 MSV SC List Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte									
Benzene	ND	ug/L	0.50	0.21	1		04/26/21 19:56	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.16	1		04/26/21 19:56	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.22	1		04/26/21 19:56	100-41-4	
Methyl-tert-butyl ether	4.9	ug/L	0.50	0.14	1		04/26/21 19:56	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.35	1		04/26/21 19:56	91-20-3	
Toluene	ND	ug/L	0.50	0.20	1		04/26/21 19:56	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.22	1		04/26/21 19:56	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.39	1		04/26/21 19:56	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.22	1		04/26/21 19:56	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	97	%	70-130		1		04/26/21 19:56	2199-69-1	
4-Bromofluorobenzene (S)	94	%	70-130		1		04/26/21 19:56	460-00-4	
8260 MSV Low Level SC Analytical Method: EPA 8260D Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/21 07:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/21 07:33	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/21 07:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/21 07:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/21 07:33	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/21 07:33	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/21 07:33	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/21 07:33	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		04/24/21 07:33	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		04/24/21 07:33	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		04/24/21 07:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 03538

Pace Project No.: 92534730

Sample: WSW-FIELD BLANK		Lab ID: 92534730003		Collected: 04/20/21 15:30		Received: 04/21/21 10:35		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-Dibromoethane (EDB)	ND	ug/L	0.020	0.013	1	04/27/21 14:38	04/27/21 18:01	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	70-130		1	04/27/21 14:38	04/27/21 18:01	301-79-56	
524.2 MSV SC List									
Analytical Method: EPA 524.2									
Pace Analytical Services - Charlotte									
Benzene	ND	ug/L	0.50	0.21	1		04/26/21 16:53	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.16	1		04/26/21 16:53	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.22	1		04/26/21 16:53	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.14	1		04/26/21 16:53	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.35	1		04/26/21 16:53	91-20-3	
Toluene	ND	ug/L	0.50	0.20	1		04/26/21 16:53	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.22	1		04/26/21 16:53	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.39	1		04/26/21 16:53	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.22	1		04/26/21 16:53	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	95	%	70-130		1		04/26/21 16:53	2199-69-1	
4-Bromofluorobenzene (S)	95	%	70-130		1		04/26/21 16:53	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/21 06:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/21 06:21	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/21 06:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/21 06:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/21 06:21	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/21 06:21	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/21 06:21	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/21 06:21	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/24/21 06:21	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		04/24/21 06:21	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/24/21 06:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Coastal 76 03538

Pace Project No.: 92534730

Sample: WSW-TRIP BLANK Lab ID: 92534730004 Collected: 04/20/21 08:00 Received: 04/21/21 10:35 Matrix: 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	ug/L	0.50	0.21	1		04/26/21 17:19	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	0.16	1		04/26/21 17:19	107-06-2	
Ethylbenzene	ND	ug/L	0.50	0.22	1		04/26/21 17:19	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	0.14	1		04/26/21 17:19	1634-04-4	
Naphthalene	ND	ug/L	0.50	0.35	1		04/26/21 17:19	91-20-3	
Toluene	ND	ug/L	0.50	0.20	1		04/26/21 17:19	108-88-3	
Xylene (Total)	ND	ug/L	0.50	0.22	1		04/26/21 17:19	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	0.39	1		04/26/21 17:19	179601-23-1	
o-Xylene	ND	ug/L	0.50	0.22	1		04/26/21 17:19	95-47-6	
Surrogates									
1,2-Dichlorobenzene-d4 (S)	96	%	70-130		1		04/26/21 17:19	2199-69-1	
4-Bromofluorobenzene (S)	93	%	70-130		1		04/26/21 17:19	460-00-4	
8260 MSV Low Level SC									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		04/24/21 06:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		04/24/21 06:03	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		04/24/21 06:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		04/24/21 06:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		04/24/21 06:03	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		04/24/21 06:03	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		04/24/21 06:03	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		04/24/21 06:03	637-92-3	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		04/24/21 06:03	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		04/24/21 06:03	17060-07-0	
Toluene-d8 (S)	101	%	70-130		1		04/24/21 06:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 03538
Pace Project No.: 92534730

QC Batch: 616205 Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92534730001, 92534730002, 92534730003, 92534730004

METHOD BLANK: 3242855 Matrix: Water
Associated Lab Samples: 92534730001, 92534730002, 92534730003, 92534730004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	0.16	04/26/21 14:42	
Benzene	ug/L	ND	0.50	0.21	04/26/21 14:42	
Ethylbenzene	ug/L	ND	0.50	0.22	04/26/21 14:42	
m&p-Xylene	ug/L	ND	1.0	0.39	04/26/21 14:42	
Methyl-tert-butyl ether	ug/L	ND	0.50	0.14	04/26/21 14:42	
Naphthalene	ug/L	ND	0.50	0.35	04/26/21 14:42	
o-Xylene	ug/L	ND	0.50	0.22	04/26/21 14:42	
Toluene	ug/L	ND	0.50	0.20	04/26/21 14:42	
Xylene (Total)	ug/L	ND	0.50	0.22	04/26/21 14:42	
1,2-Dichlorobenzene-d4 (S)	%	97	70-130		04/26/21 14:42	
4-Bromofluorobenzene (S)	%	93	70-130		04/26/21 14:42	

LABORATORY CONTROL SAMPLE: 3242856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.5	102	70-130	
Benzene	ug/L	20	20.5	103	70-130	
Ethylbenzene	ug/L	20	20.7	104	70-130	
m&p-Xylene	ug/L	40	42.5	106	70-130	
Methyl-tert-butyl ether	ug/L	20	20.1	101	70-130	
Naphthalene	ug/L	20	19.6	98	70-130	
o-Xylene	ug/L	20	20.6	103	70-130	
Toluene	ug/L	20	21.6	108	70-130	
Xylene (Total)	ug/L	60	63.0	105		
1,2-Dichlorobenzene-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	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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QUALITY CONTROL DATA

Project: Coastal 76 03538

Pace Project No.: 92534730

QC Batch: 615838

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260 MSV Low Level SC

Laboratory:

Pace Analytical Services - Charlotte

Associated Lab Samples: 92534730001, 92534730002, 92534730003, 92534730004

METHOD BLANK: 3240787

Matrix: Water

Associated Lab Samples: 92534730001, 92534730002, 92534730003, 92534730004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	04/23/21 22:31	
Diisopropyl ether	ug/L	ND	1.0	0.31	04/23/21 22:31	
Ethanol	ug/L	ND	200	72.2	04/23/21 22:31	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	04/23/21 22:31	
tert-Amyl Alcohol	ug/L	ND	100	36.4	04/23/21 22:31	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	04/23/21 22:31	
tert-Butyl Alcohol	ug/L	ND	100	26.8	04/23/21 22:31	
tert-Butyl Formate	ug/L	ND	50.0	29.4	04/23/21 22:31	
1,2-Dichloroethane-d4 (S)	%	100	70-130		04/23/21 22:31	
4-Bromofluorobenzene (S)	%	93	70-130		04/23/21 22:31	
Toluene-d8 (S)	%	100	70-130		04/23/21 22:31	

LABORATORY CONTROL SAMPLE: 3240788

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	1000	885	89	70-130	
Diisopropyl ether	ug/L	50	44.5	89	70-130	
Ethanol	ug/L	2000	1860	93	70-130	
Ethyl-tert-butyl ether	ug/L	100	91.4	91	70-130	
tert-Amyl Alcohol	ug/L	1000	843	84	70-130	
tert-Amylmethyl ether	ug/L	100	88.7	89	70-130	
tert-Butyl Alcohol	ug/L	500	416	83	70-130	
tert-Butyl Formate	ug/L	400	346	87	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3240789 3240790

Parameter	Units	92534802001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	494	470	124	117	39-157	5	30	
Diisopropyl ether	ug/L	ND	20	20	25.3	23.6	127	118	63-144	7	30	
Ethanol	ug/L	ND	800	800	1130	1080	141	135	39-176	4	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	53.1	49.4	133	123	66-137	7	30	
tert-Amyl Alcohol	ug/L	ND	400	400	487	466	122	116	54-153	5	30	
tert-Amylmethyl ether	ug/L	ND	40	40	48.7	45.3	122	113	69-139	7	30	

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QUALITY CONTROL DATA

Project: Coastal 76 03538
Pace Project No.: 92534730

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3240789 3240790												
Parameter	Units	92534802001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
tert-Butyl Alcohol	ug/L	ND	200	200	275	275	138	137	43-188	0	30	
tert-Butyl Formate	ug/L	ND	160	160	192	162	120	101	10-170	17	30	
1,2-Dichloroethane-d4 (S)	%						112	110	70-130			
4-Bromofluorobenzene (S)	%						100	101	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Coastal 76 03538
Pace Project No.: 92534730

QC Batch: 616500 Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1 Analysis Description: GCS 504 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92534730001, 92534730002, 92534730003

METHOD BLANK: 3244133 Matrix: Water
Associated Lab Samples: 92534730001, 92534730002, 92534730003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.021	0.013	04/27/21 15:12	
1-Chloro-2-bromopropane (S)	%	93	70-130		04/27/21 15:12	

LABORATORY CONTROL SAMPLE & LCSD: 3244134			3244135							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.26	0.24	0.26	92	98	70-130	9	20	
1-Chloro-2-bromopropane (S)	%				92	99	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3244136					3244137							
Parameter	Units	92534588001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	0.27	0.26	102	100	65-135	2	20	
1-Chloro-2-bromopropane (S)	%						96	94	70-130			

SAMPLE DUPLICATE: 3244138

Parameter	Units	92534588002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	101	101			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Coastal 76 03538
Pace Project No.: 92534730

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.

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coastal 76 03538
Pace Project No.: 92534730

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92534730001	WSW-1	EPA 504.1	616500	EPA 504.1	616529
92534730002	WSW-1 DUP	EPA 504.1	616500	EPA 504.1	616529
92534730003	WSW-FIELD BLANK	EPA 504.1	616500	EPA 504.1	616529
92534730001	WSW-1	EPA 524.2	616205		
92534730002	WSW-1 DUP	EPA 524.2	616205		
92534730003	WSW-FIELD BLANK	EPA 524.2	616205		
92534730004	WSW-TRIP BLANK	EPA 524.2	616205		
92534730001	WSW-1	EPA 8260D	615838		
92534730002	WSW-1 DUP	EPA 8260D	615838		
92534730003	WSW-FIELD BLANK	EPA 8260D	615838		
92534730004	WSW-TRIP BLANK	EPA 8260D	615838		

REPORT OF LABORATORY ANALYSIS

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Face Analytical

CHAIN-OF-CUSTODY Analytical Request Document

LAB

W0#: 92534730

11 of 11

Company: M&E
Address:
Report To: B. Shane
Copy To:
Customer Project Name/Number: Coastal 71
Phone:
Email:
Collected By (Print): C. Hansen
Collected By (Signature):
Sample Disposal:
Product (P), Soil/Solid (S), Oil (O), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Site/Facility ID #: 03538
Purchase Order #: DW PWS ID #: DW Location Code: Immediately Packed on Ice:
Compliance Monitoring? [] Yes [] No
Field Filtered (if applicable): [] Yes [] No
Analysis:
Time Zone Collected: SC / Florence [] PT [] MT [] CT [] ET

Site Collection Info/Address: 203 East Princeton Street
State: SC / Florence
Country/City: [] PT [] MT [] CT [] ET

Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) acetic acid, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Customer Sample ID	Matrix *	Comp / Grab	Collected for Composite Start	Composite End	Res	# of Cms
WSW-1	DW	4/20 15:25				9
WSW-Dup	DW	4/20 15:25				9
WSW-Field Blank	DW	4/20 15:30				9
WSW-Field Blank	DW	4/20 8:00				6

0x4s 82603	524-2	504-1 FDB
------------	-------	-----------

Customer Remarks / Special Conditions / Possible Hazards:
Type of Ice Used: (Men) Blue Dry None
Packing Material Used:
Radionuclide Sample(s) (Screened for SOD cm): Y N NA
Received by Company (Signature): Josh Malas
Date/Time: 4/21 15:20

Lab Tracking #: 2615904
Client: MTL LAB
Date/Time: 4/21 15:20
Temp Blank Received: 92.70
Cooler Temp Upon Receipt: 16.0
Cooler Temp After Receipt: 16.0
Cooler Temp After Receipt: 16.0
Comments:

Received by Company (Signature): Josh Malas
Date/Time: 4/21 15:20
Temp Blank Received: 92.70
Cooler Temp Upon Receipt: 16.0
Cooler Temp After Receipt: 16.0
Cooler Temp After Receipt: 16.0
Comments:

*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

WO# : 92534730

PM: AMB

Due Date: 04/30/21

CLIENT: 92-MIDLAND

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)	BP4C-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)	AG3A(DG3A)-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 Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (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)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																													
2																													
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 DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Sample Receiving Non-Conformance Form (NCF)

Date: 4-22-21 Evaluated by: Matthew J. Smith
Client: MECI

WO#: **92534730**
PM: AMB Due Date: 04/30/21
CLIENT: 92-MIDLAND

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF.

2. If COC is incomplete, check applicable issues below and add details where appropriate:

☒ Collection date/time missing or incorrect	Analyses or analytes: missing or clarification needed	Samples listed on COC do not match samples received (missing, additional, etc.)
Sample IDs on COC do not match sample labels	Required trip blanks were not received	Required signatures are missing

Comments/Details/Other issues not listed above:

Date & Time not listed on samples or COC.

3. Sample integrity issues: check applicable issues below and add details where appropriate:

Samples: Past holding time	Samples: Condition needs to be brought to lab personnel's attention (details below)	Preservation: Improper
Samples: Not field filtered	Containers: Broken or compromised	Temperature: not within acceptance criteria (typically 0-6C)
Samples: Insufficient volume received	Containers: Incorrect	Temperature: Samples arrived frozen
Samples: Cooler damaged or compromised	Custody Seals: Missing or compromised on samples, trip blanks or coolers	Vials received with improper headspace
Samples: contain chlorine or sulfides	Packing Material: Insufficient/Improper	Other:

Comments/Details:

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client: <u>MECI</u>	Contacted per: <u>email</u>
PM Initials: <u>AMB</u>	Date/Time: <u>4/21/21</u>

Client Comments/Instructions:

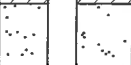
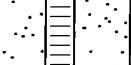
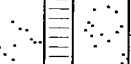
They provided an updated COC with the collection dates and times.

APPENDIX C:

TAX MAP
(Not Applicable)

APPENDIX D:
SOIL BORING/FIELD SCREENING LOGS & 1903 FORMS
(Not Applicable)

APPENDIX E:
WELL COMPLETION LOGS & 1903 FORMS

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND												
	Brown, Fine to Medium SAND												
5		0.0											
	Brown, Fine SAND												
10		0.0											
													
15		8.3											
	Gray, Fine SAND												
													
		281.7											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 6.11 Feet Below Top of Casing on 4/19/2021.												
25													
30													
35													

NO BLOWCOUNTS RECORDED

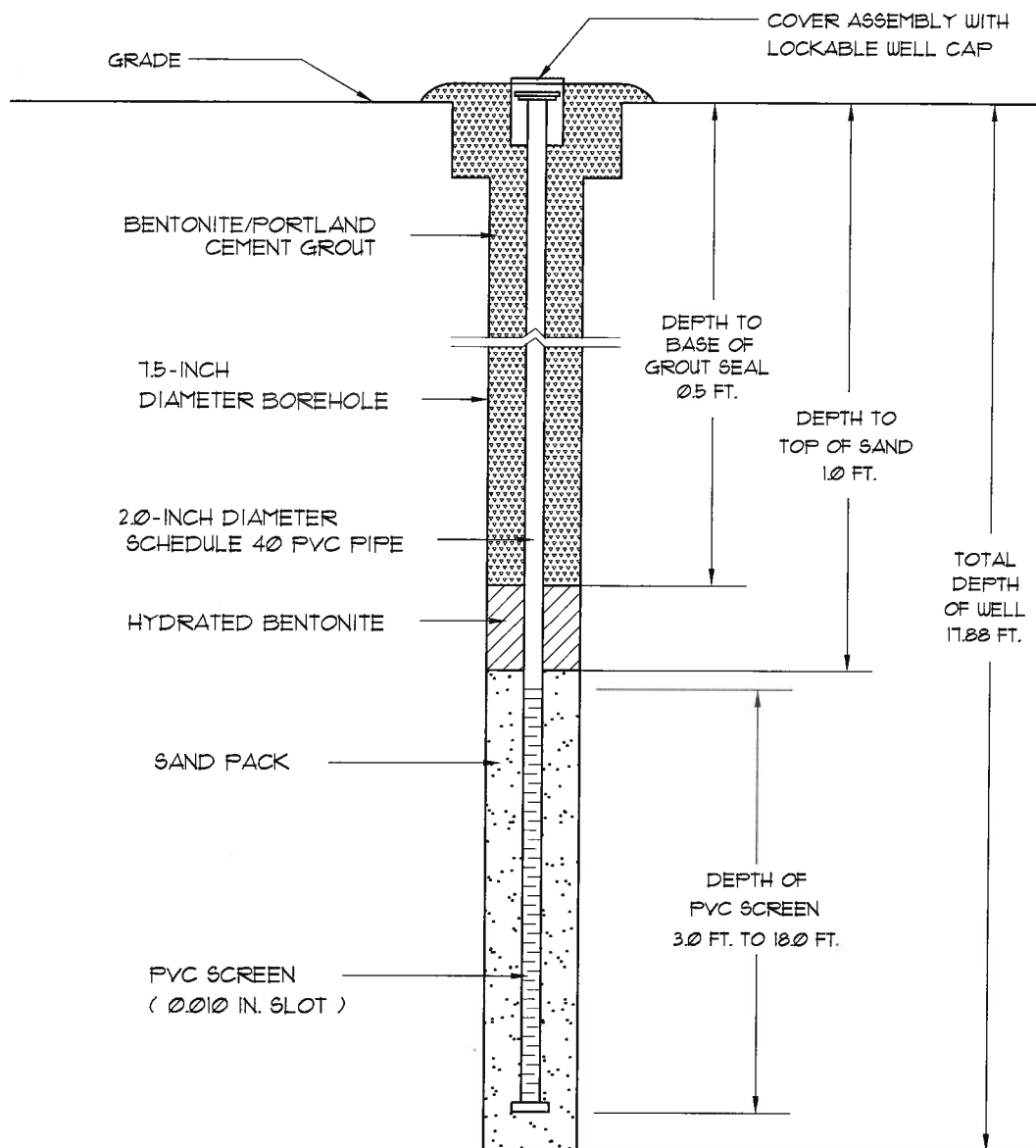
TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-MW02R
Date Drilled: 4/13/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:
 Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



Well Number:	03538-MW02R
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Black, Organic Fine SAND												
	Brown, Fine SAND												
5	Orange, Clayey Fine SAND	0.0											
10		0.0											
15	Red, Clayey Fined SAND	0.0											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 4.76 Feet Below Top of Casing on 4/19/2021.	87.8											
25													
30													
35													

NO BLOWCOUNTS RECORDED

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MEC Project Number 20-7518

Boring Number: 03538-MW05R

Date Drilled: 4/13/2021

Drilled By: EDPs, LLC.

Logged By: K. Jacobs

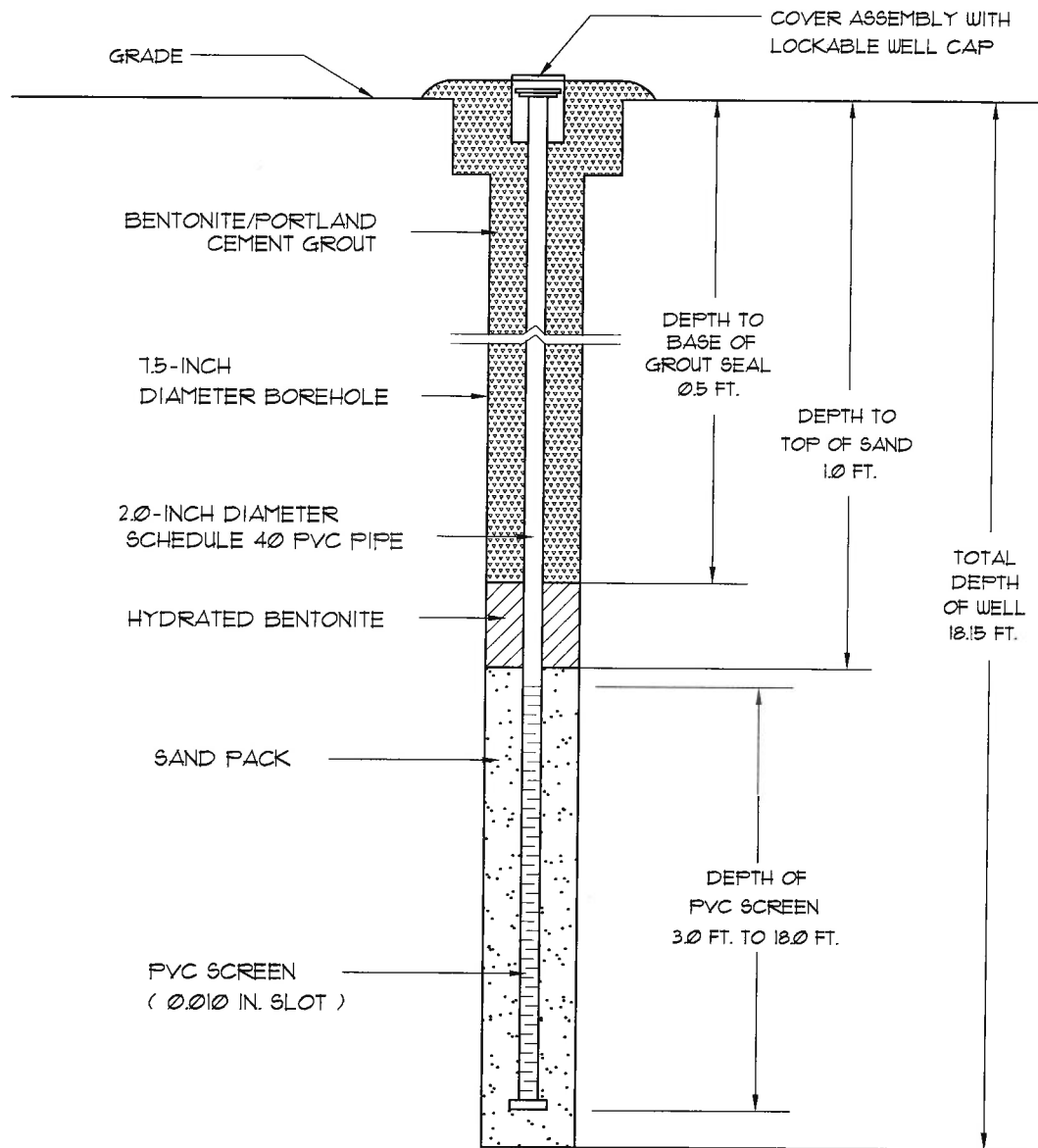
Prepared By:

 Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29013
(803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

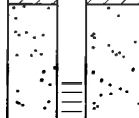
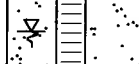
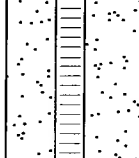
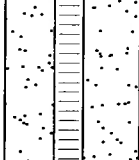
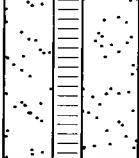
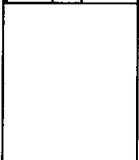


Well Number:	03538-MW05R
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

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Consultants, Inc.

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Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Grass												
	COASTAL PLAIN SEDIMENT: Black, Organic Fine SAND												
	Brown, Fine SAND												
5		0.0											
10		0.0											
15		0.0											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 4.79 Feet Below Top of Casing on 4/19/2021.	0.0											
25													
30													
35													

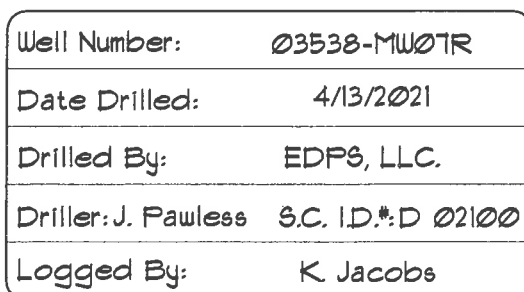
TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-MW0TR
Date Drilled: 4/13/2021
Drilled By: EDPS, LLC.
Logged By: K. Jacobs

Prepared By:

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Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



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Depth (Feet)	Description	PID PPM	Well Diagram 0	Penetration Blows Per Foot									
				5	10	20	40	60	80	100			
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND												
	Brown, Clayey Fine SAND												
5	Orange, Clayey Fine SAND	0.0											
10		0.0											
15	Red, Clayey Fine SAND	0.0											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 4.60 Feet Below Top of Casing on 4/19/2021.	0.0											
25													
30													
35													

TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-MW10RRR

Date Drilled: 4/13/2021

Drilled By: EDPs, LLC.

Logged By: K. Jacobs

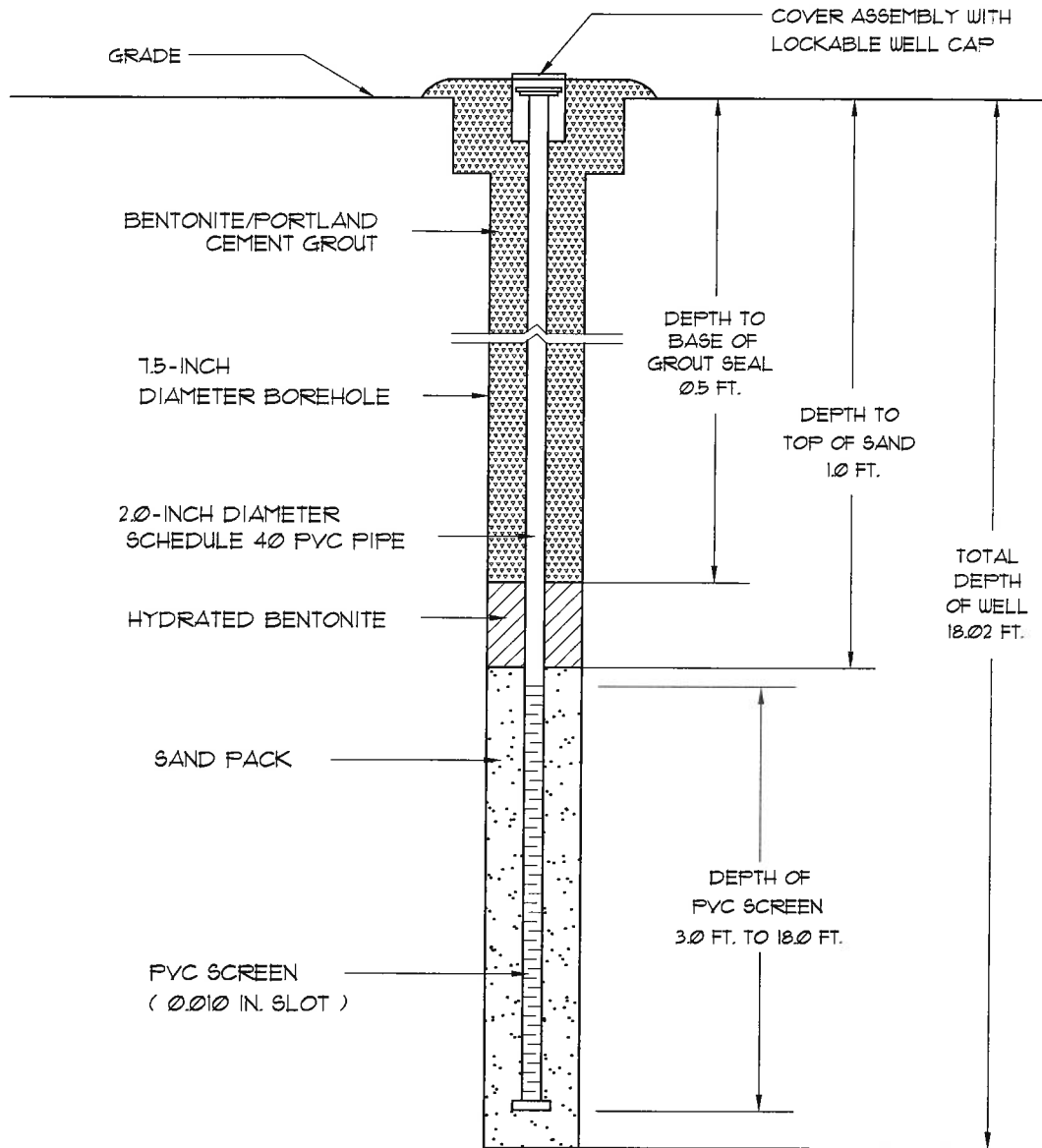
Prepared By:

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Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

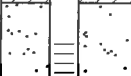
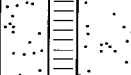
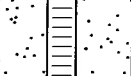
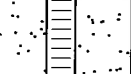
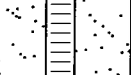
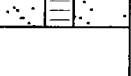


Well Number:	03538-MW10RRR
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

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Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Grass												
	COASTAL PLAIN SEDIMENT: Black, Organic Fine to Medium SAND												
	Brown, Fine SAND												
5		0.0											
													
10	Tan, Fine SAND	0.0											
													
15		0.0											
													
		0.0											
20	Boring Terminated 17.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 17.00 Feet BGS. Groundwater Measured at 4.09 Feet Below Top of Casing on 4/19/2021.												
25													
30													
35													

TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

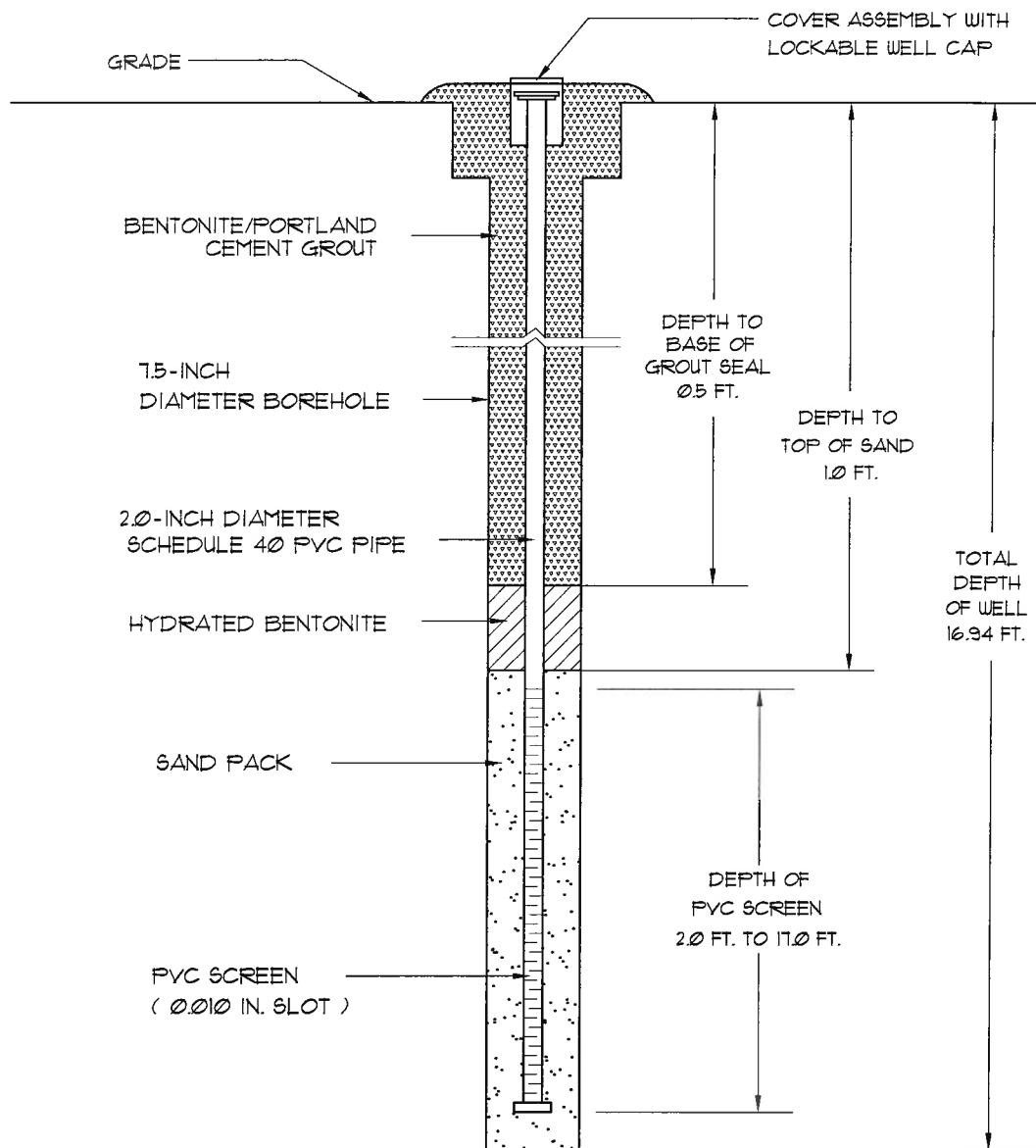
Boring Number: 03538-MW15R
Date Drilled: 4/13/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:

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MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



Well Number:	03538-MW15R
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

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Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND												
	Brown, Fine SAND												
5		0.0										NO BLOWCOUNTS RECORDED	
10	Tan, Fine SAND	0.0											
15		0.0											
20	Boring Terminated 17.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 17.00 Feet BGS. Groundwater Measured at 5.40 Feet Below Top of Casing on 4/19/2021.	0.0											
25													
30													
35													

TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-MW16R
Date Drilled: 4/13/2021
Drilled By: EDP6, LLC.
Logged By: K. Jacobs

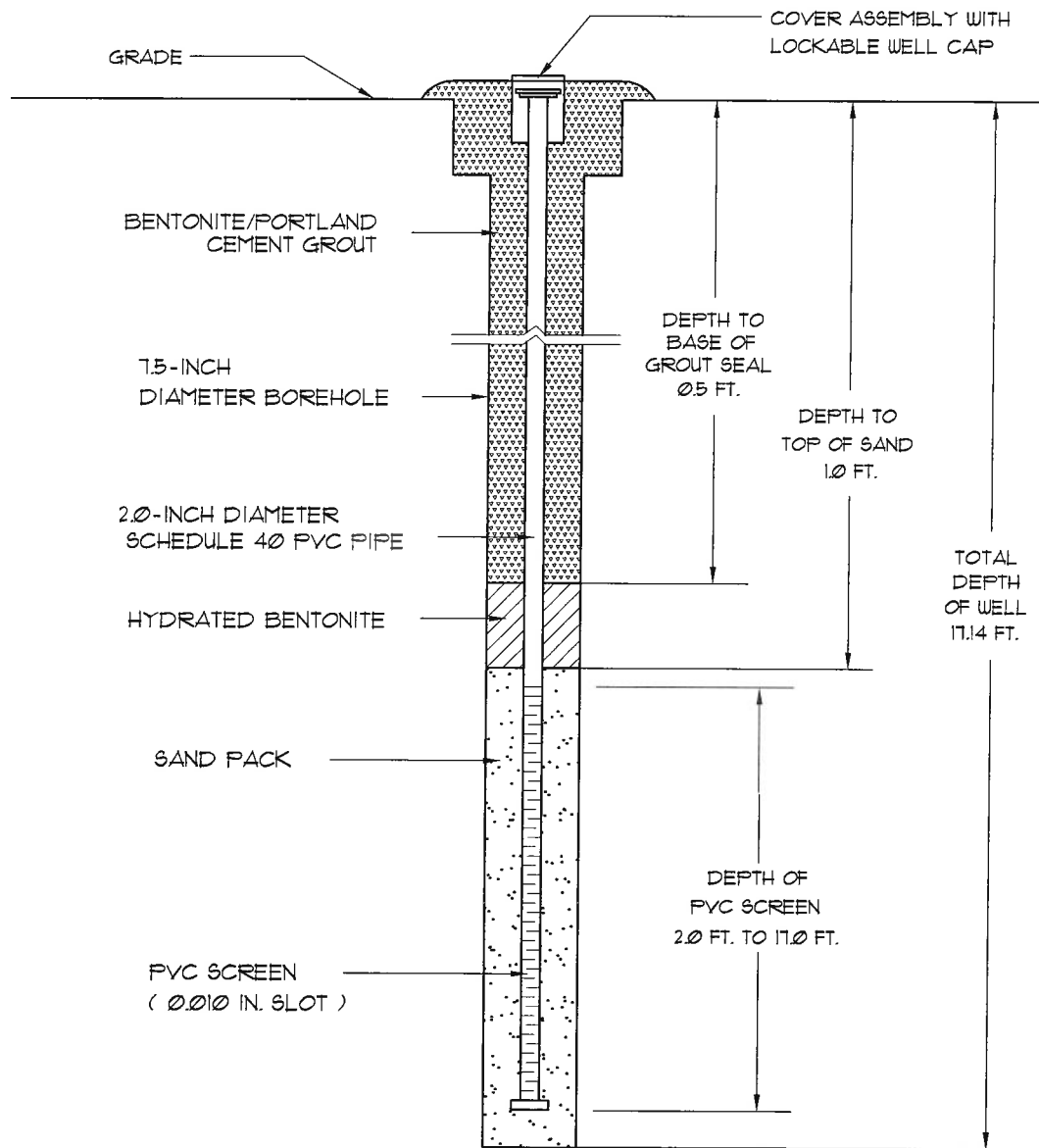
Prepared By:

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MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

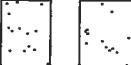
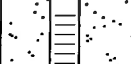
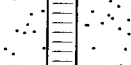


Well Number:	03538-MW16R
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

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Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Grass												
	COASTAL PLAIN SEDIMENT: Black, Organic Fine to Medium SAND												
	Brown, Fine to Medium SAND												
5		0.0											
10	Tan, Fine SAND	0.0											
15		10.4											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 6.50 Feet Below Top of Casing on 4/19/2021.	59.1											
25													
30													
35													

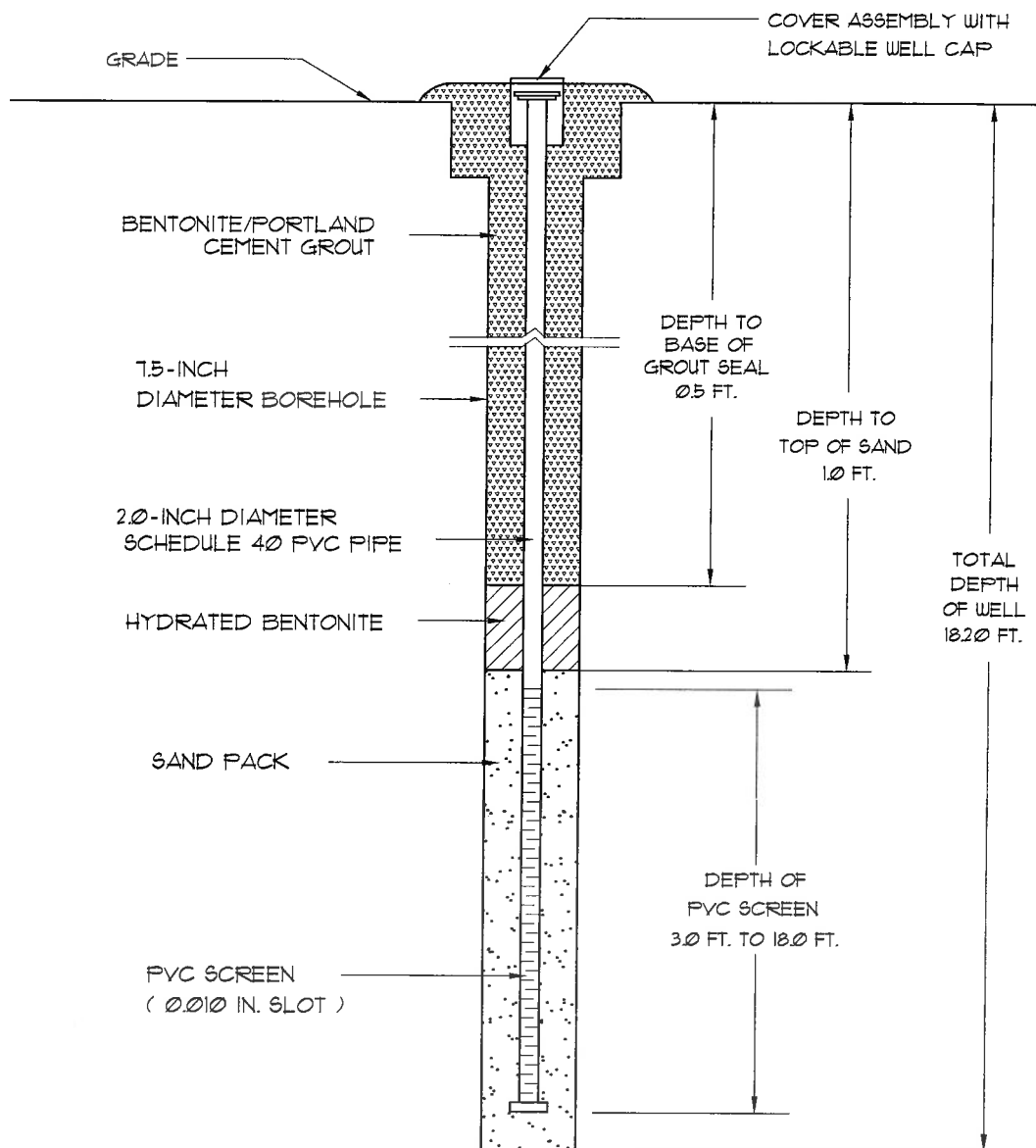
TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-MW1R
Date Drilled: 4/13/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:
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Lexington, South Carolina 29013
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MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

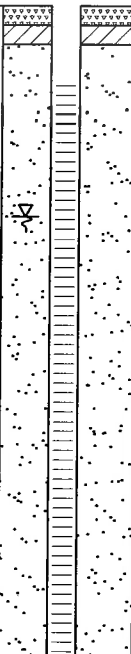


Well Number:	03538-MW17R
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. ID.#: D 02100
Logged By:	K. Jacobs

Prepared By:

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Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt											NO BLOWCOUNTS RECORDED	
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND												
	Brown, Fine SAND												
5	Tan, Fine SAND	0.0											
10		0.0											
15		0.0											
	Boring Terminated 17.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 17.00 Feet BGS. Groundwater Measured at 5.33 Feet Below Top of Casing on 4/19/2021.	8.2											
20													
25													
30													
35													

TEST BORING RECORD
 Coastal T6 Truck Stop
 Florence, South Carolina
 SCDHEC Site ID# 03538
 MECI Project Number 20-7518

Boring Number: 03538-MW22R
 Date Drilled: 4/13/2021
 Drilled By: EDPs, LLC.
 Logged By: K. Jacobs

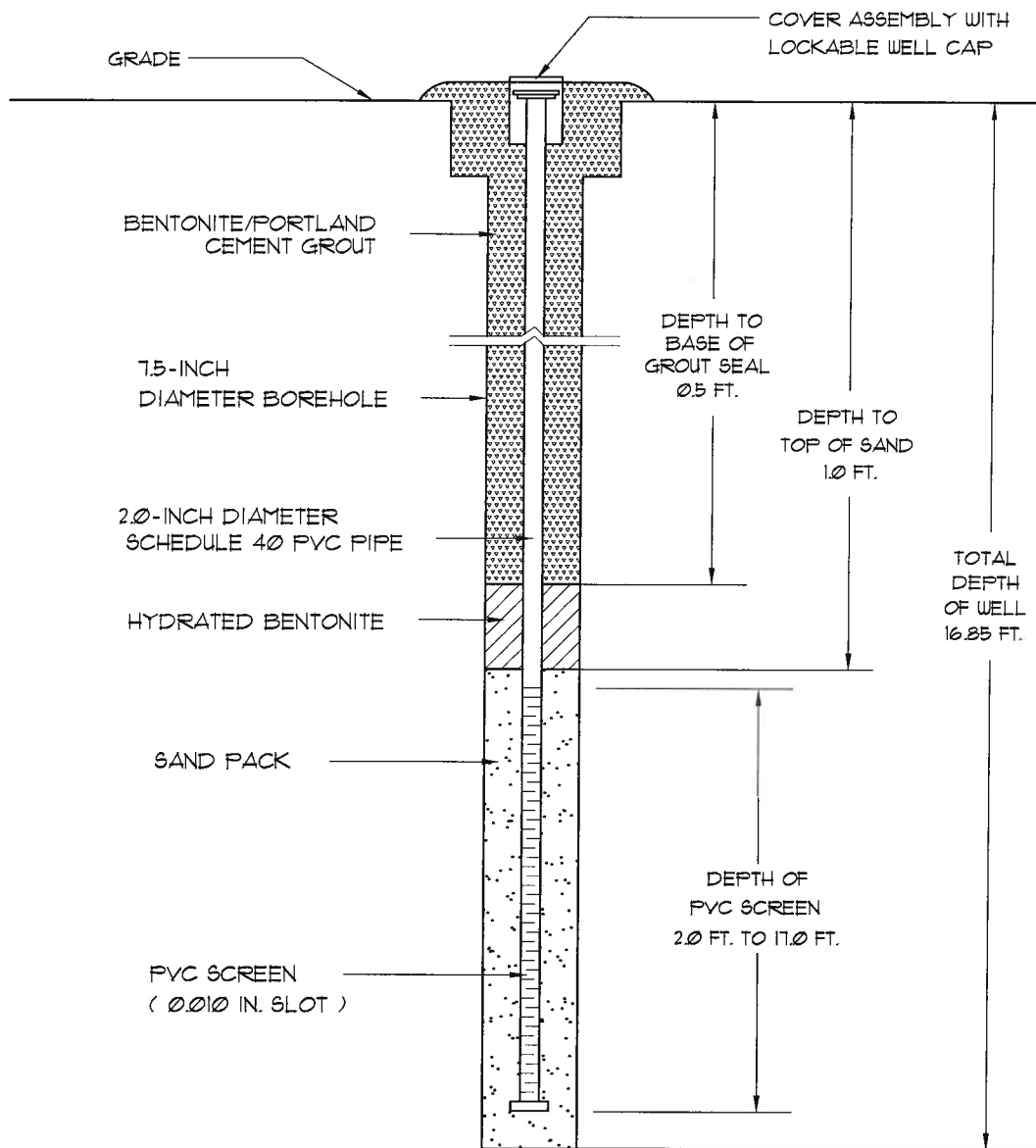
Prepared By:


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 Lexington, South Carolina 29073
 (803) 808-2043 Fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
 Florence, South Carolina
 SCDHEC Site ID# 03538
 MECI Project Number 20-7518

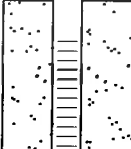
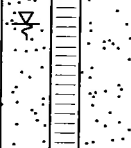
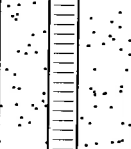
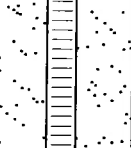
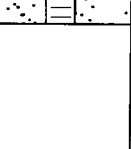


Well Number:	03538-MW22R
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. ID#: D 02100
Logged By:	K. Jacobs

Prepared By:

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 (803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Brown, Fine to Medium SAND												
5		0.0											
10	Tan, Fine SAND	0.0											
15		0.0											
20	Boring Terminated 17.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 17.00 Feet BGS. Groundwater Measured at 5.33 Feet Below Top of Casing on 4/19/2021.	0.0											
25													
30													
35													

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

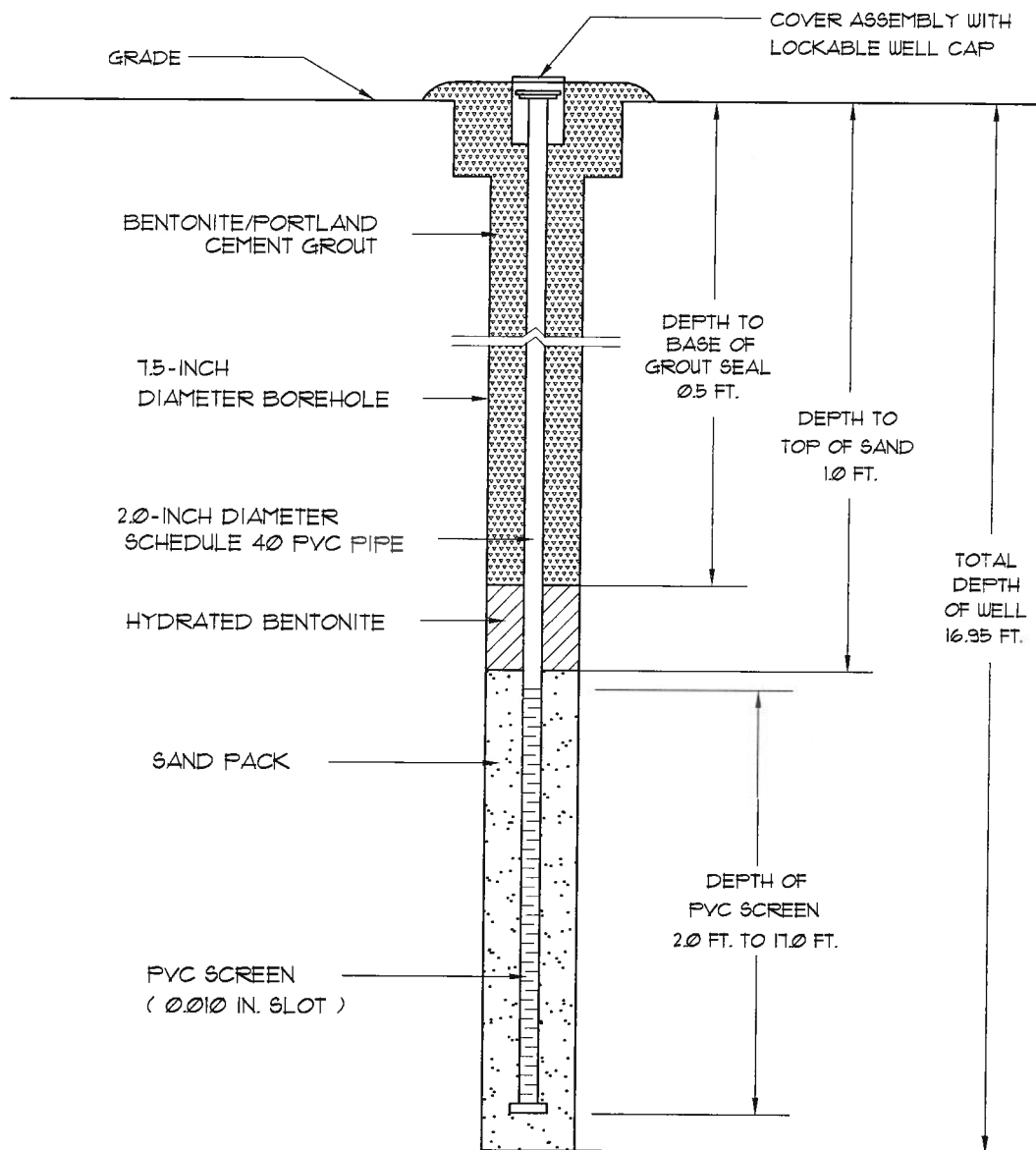
Boring Number: 03538-MW24R
Date Drilled: 4/14/2021
Drilled By: EDPS, LLC.
Logged By: K. Jacobs

Prepared By:

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MONITORING WELL INSTALLATION RECORD

Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

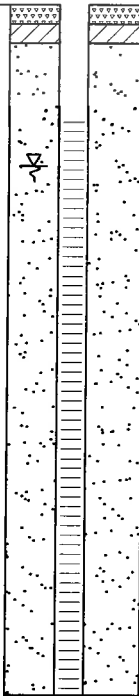


Well Number:	03538-MW24R
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

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Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt											NO BLOWCOUNTS RECORDED	
	COASTAL PLAIN SEDIMENT: Black, Organic Fine to Medium SAND												
	Tan, Fine SAND												
5		0.0											
10		0.0											
	Brown, Fine SAND												
15		0.0											
	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 4.16 Feet Below Top of Casing on 4/19/2021.	0.0											
20													
25													
30													
35													

TEST BORING RECORD
 Coastal T6 Truck Stop
 Florence, South Carolina
 SCDHEC Site ID# 03538
 MECI Project Number 20-7518

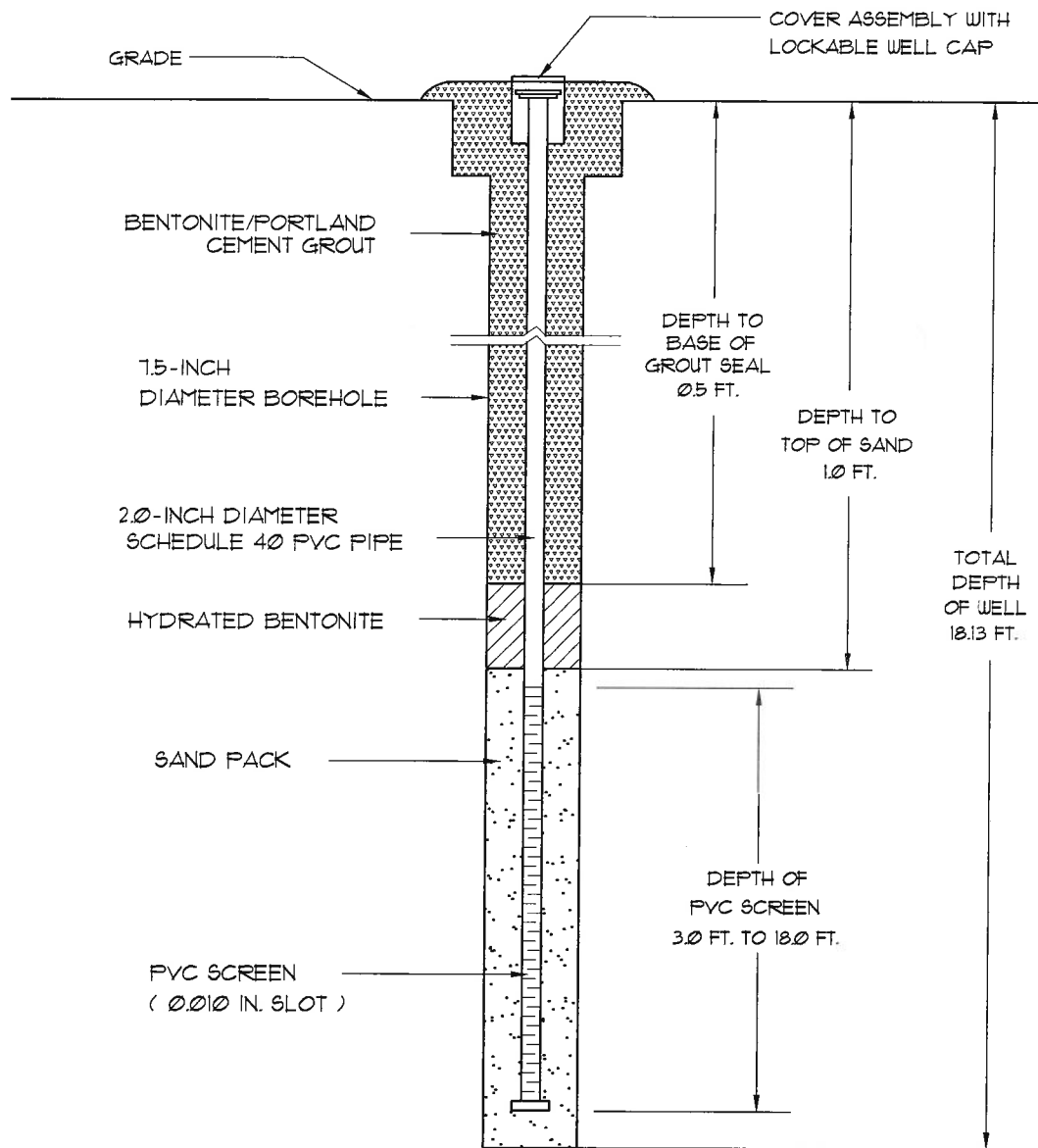
Boring Number: 03538-MW25R
 Date Drilled: 4/14/2021
 Drilled By: EDPs, LLC.
 Logged By: K. Jacobs

Prepared By:


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Consultants, Inc.
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 Lexington, South Carolina 29073
 (803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



Well Number:	03538-MW25R
Date Drilled:	4/14/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

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Consultants, Inc.

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Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot										
				0	5	10	20	40	60	80	100			
	Grass													
	COASTAL PLAIN SEDIMENT: Black, Organic, Fine to Medium SAND													
	Tan, Fine SAND													
5		0.0												
10		0.0												
	Brown, Fine SAND													
15		0.0												
20		0.0												
	Tan, Fine SAND													
25		24.0												
30		52.9												
35		58.4												
	Mud Rotary Terminated at 36.0 Feet Below Ground Surface (BGS). Monitoring Well Installed to 36.0 Feet BGS. Groundwater Measured at 4.92 Feet Below Top of Casing on 4/19/2021.	28.3												

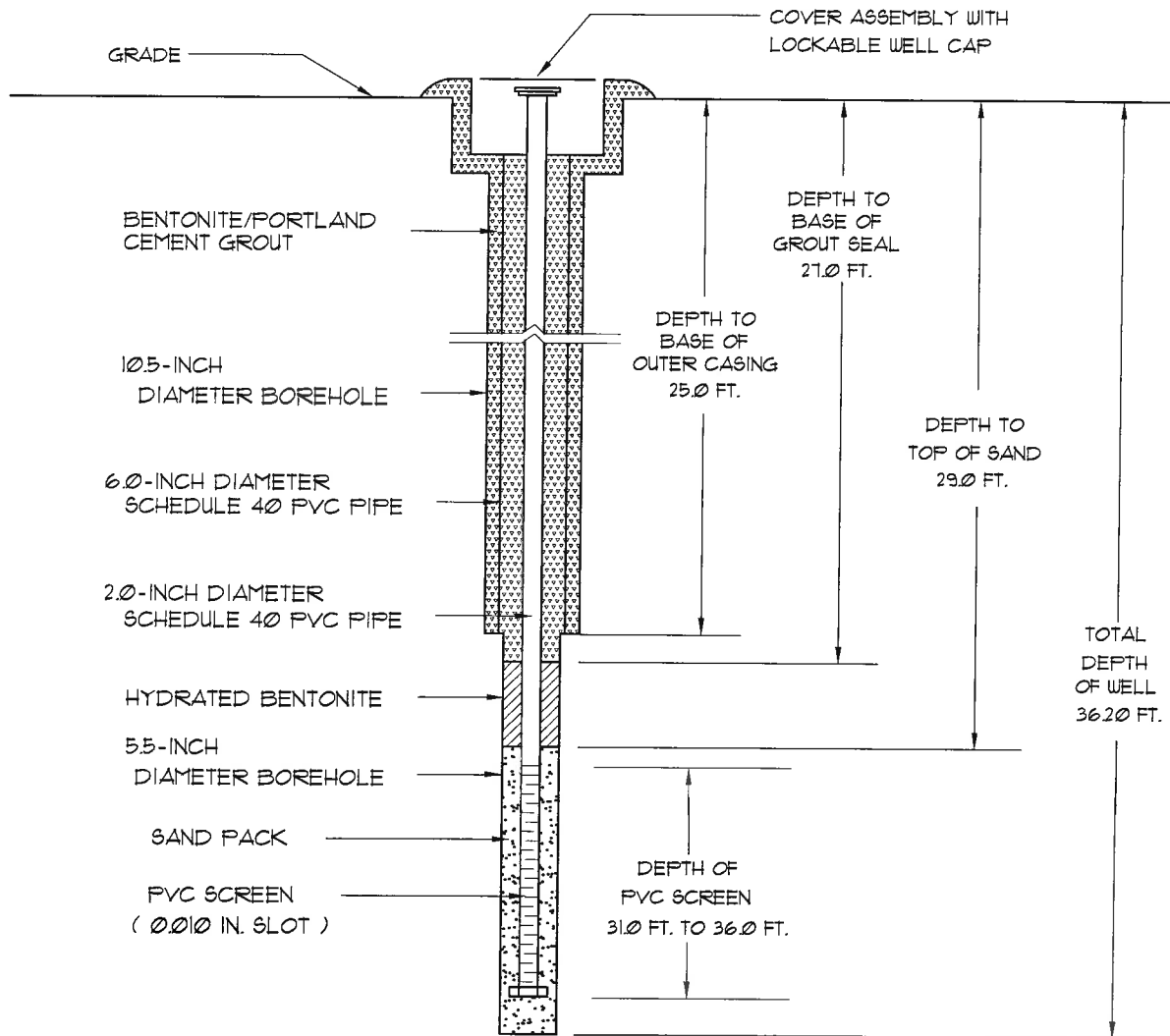
TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-MW25D
Date Drilled: 4/14/2021-4/15/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:
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Consultants, Inc.
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Lexington, South Carolina 29013
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MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



Well Number:	03538-MW25D
Date Drilled:	4/14/2021-4/15/2021
Drilled By:	EDPS, LLC.
Driller:	J. Pawless S.C. I.D. #: D02100
Logged By:	K. Jacobs

Prepared By:

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Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Grass												
	COASTAL PLAIN SEDIMENT: Black, Organic Fine to Medium SAND												
	Brown, Fine SAND												
5		0.0											
10	Tan, Fine SAND	0.0											
15		0.0											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 4.92 Feet Below Top of Casing on 4/19/2021.	0.0											
25													
30													
35													

NO BLOWCOUNTS RECORDED

TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-MW26R

Date Drilled: 4/14/2021

Drilled By: EDP6, LLC.

Logged By: K. Jacobs

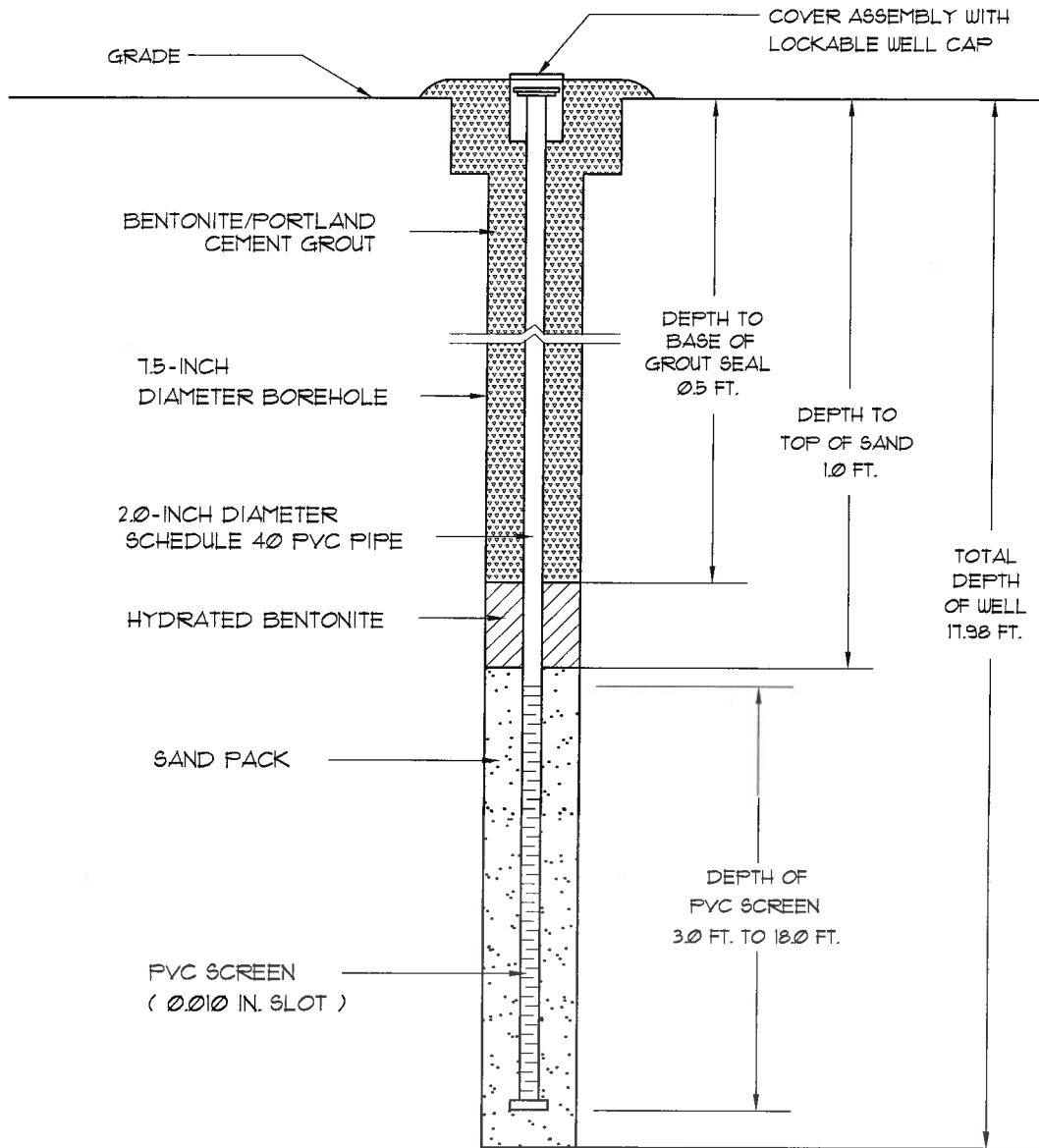
Prepared By:

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MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



Well Number:	03538-MW26R
Date Drilled:	4/14/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

**Midlands
Environmental
Consultants, Inc.**

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND												
	Brown, Fine to Medium SAND												
5		0.0											
10		0.0											
	Tan, Fine SAND												
15		2.5											
		5.6											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 5.14 Feet Below Top of Casing on 4/19/2021.												
25													
30													
35													

TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

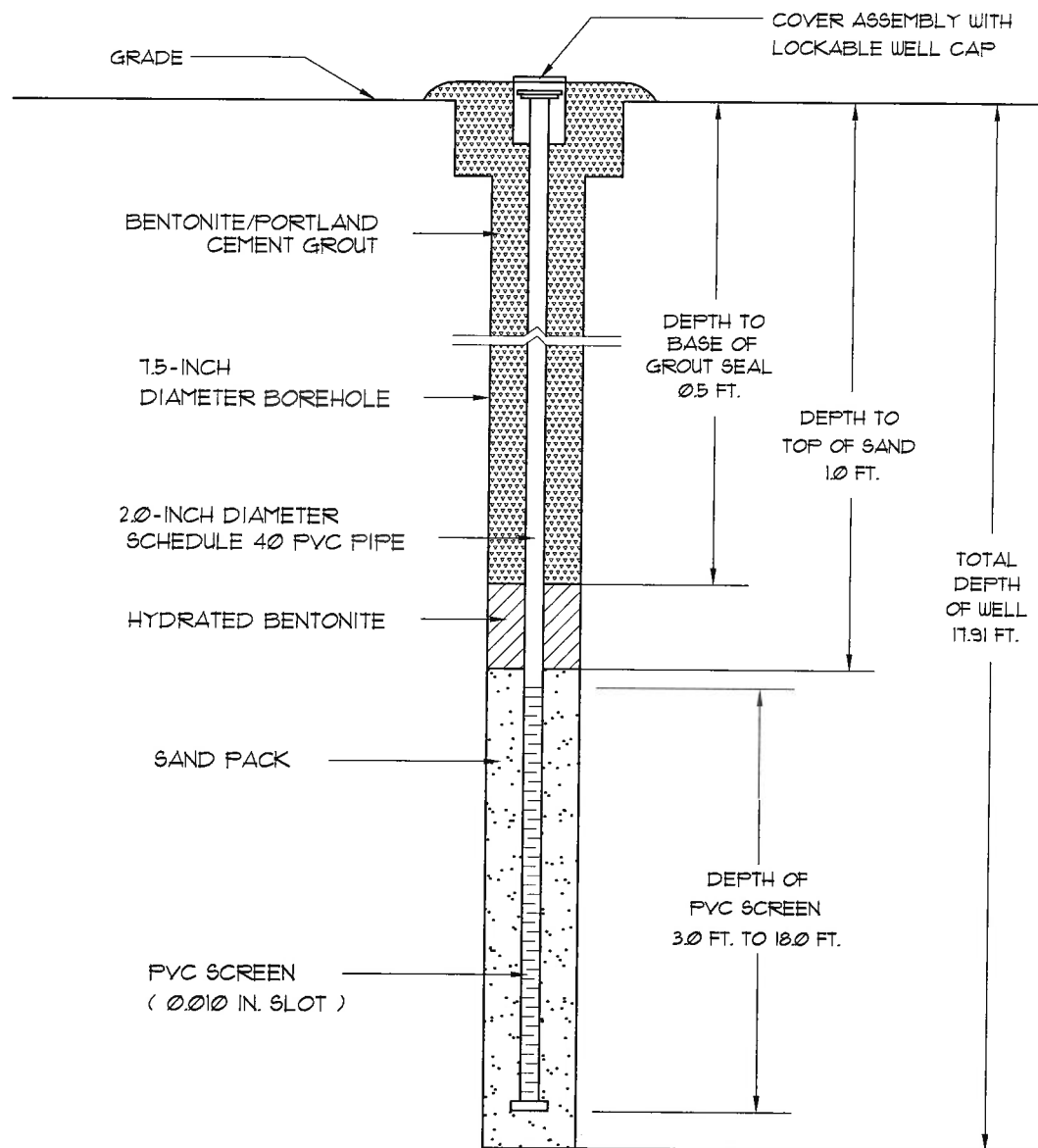
Boring Number: 03538-MW29
Date Drilled: 4/13/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:

 Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



Well Number:	03538-MW29
Date Drilled:	4/13/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. ID.#: D 02100
Logged By:	K. Jacobs

Prepared By:

**Midlands
Environmental
Consultants, Inc.**

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Grass												
	COASTAL PLAIN SEDIMENT: Black, Organic Fine to Medium SAND												
	Brown, Fine SAND												
5		0.0										NO BLOWCOUNTS RECORDED	
	Tan, Fine SAND												
10		0.0											
15		0.0											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Monitoring Well Installed to 18.00 Feet BGS. Groundwater Measured at 4.94 Feet Below Top of Casing on 4/19/2021.	0.0											
25													
30													
35													

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

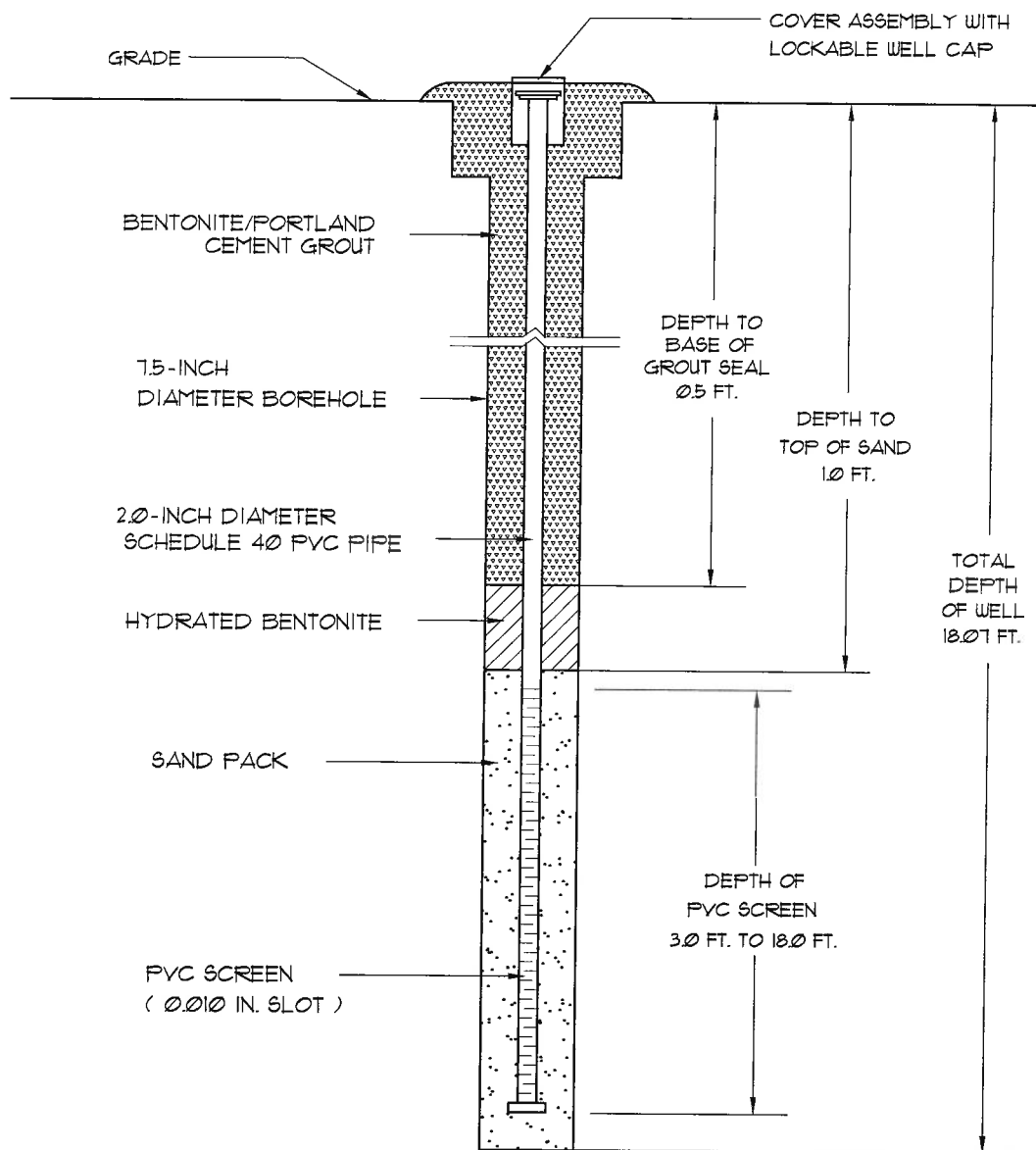
Boring Number: 03538-MW30
Date Drilled: 4/14/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:

 **Midlands
Environmental
Consultants, Inc.**
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

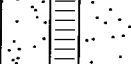
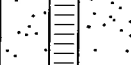


Well Number:	03538-MW30
Date Drilled:	4/14/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 02100
Logged By:	K. Jacobs

Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND	0.0											
	Brown, Fine SAND												
5	Orange, Clayey Fine SAND	1.8											
10		0.9											
	Orange, Clayey Fine SAND												
15		27.9											
	Red, Clayey Fine SAND												
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Recovery Well Installed to 18.00 Feet BGS. Groundwater Measured at 5.66 Feet Below Top of Casing on 4/19/2021.	126.6											
25													
30													
35													

NO BLOWCOUNTS RECORDED

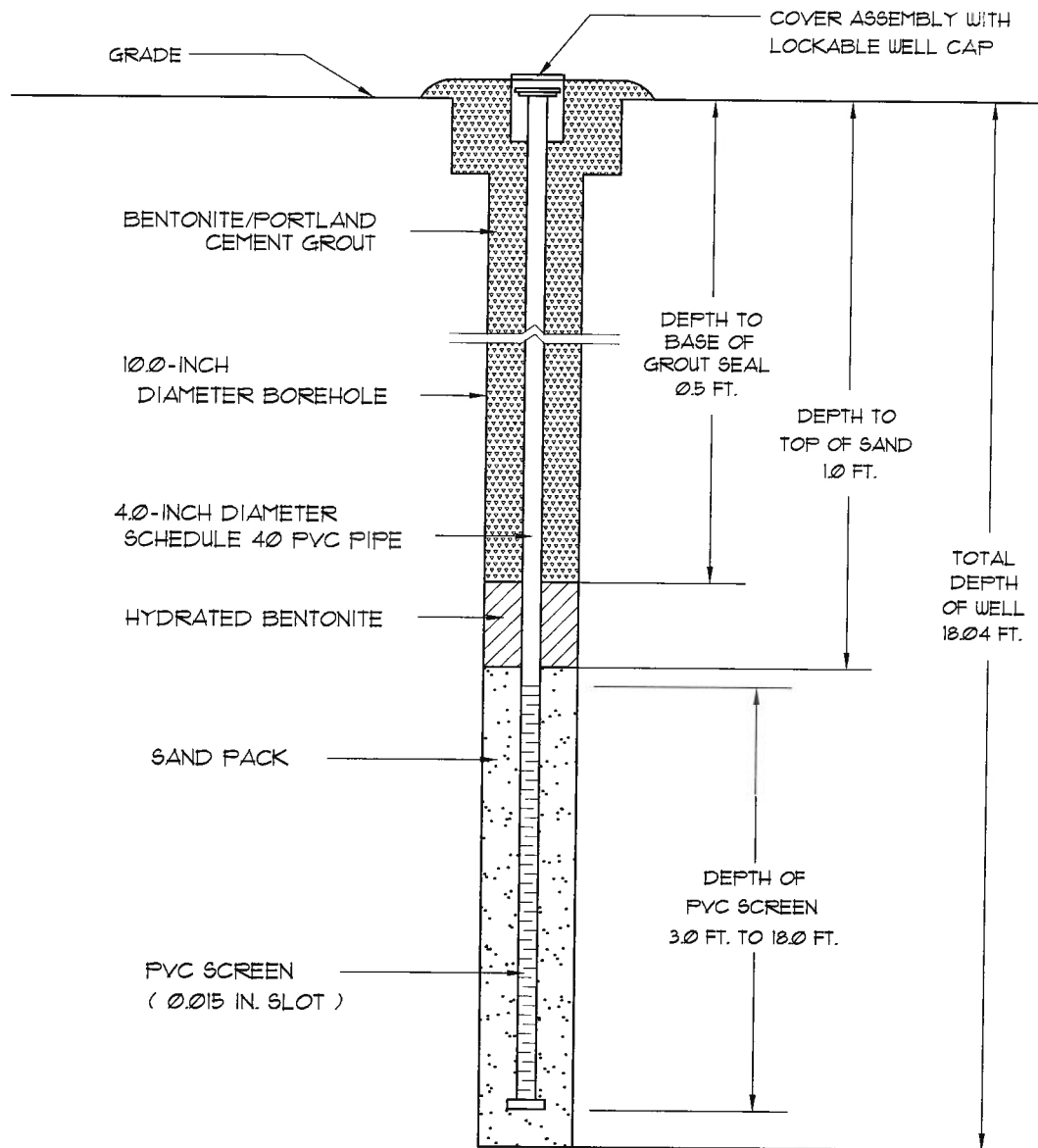
TEST BORING RECORD
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-RW01
Date Drilled: 4/15/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:
Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

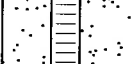
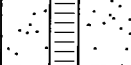
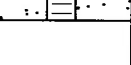


Well Number:	03538-RW01
Date Drilled:	4/15/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 2100
Logged By:	K. Jacobs

Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram 0	Penetration Blows Per Foot									
				5	10	20	40	60	80	100			
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND	0.0											
	Brown, Fine SAND												
5		4.4											
													
10		9.6											
	Red, Clayey Fine SAND												
													
15		201.2											
													
		202.1											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Recovery Well Installed to 18.00 Feet BGS. Groundwater Measured at 5.68 Feet Below Top of Casing on 4/19/2021.												
													
25													
													
30													
													
35													
													

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

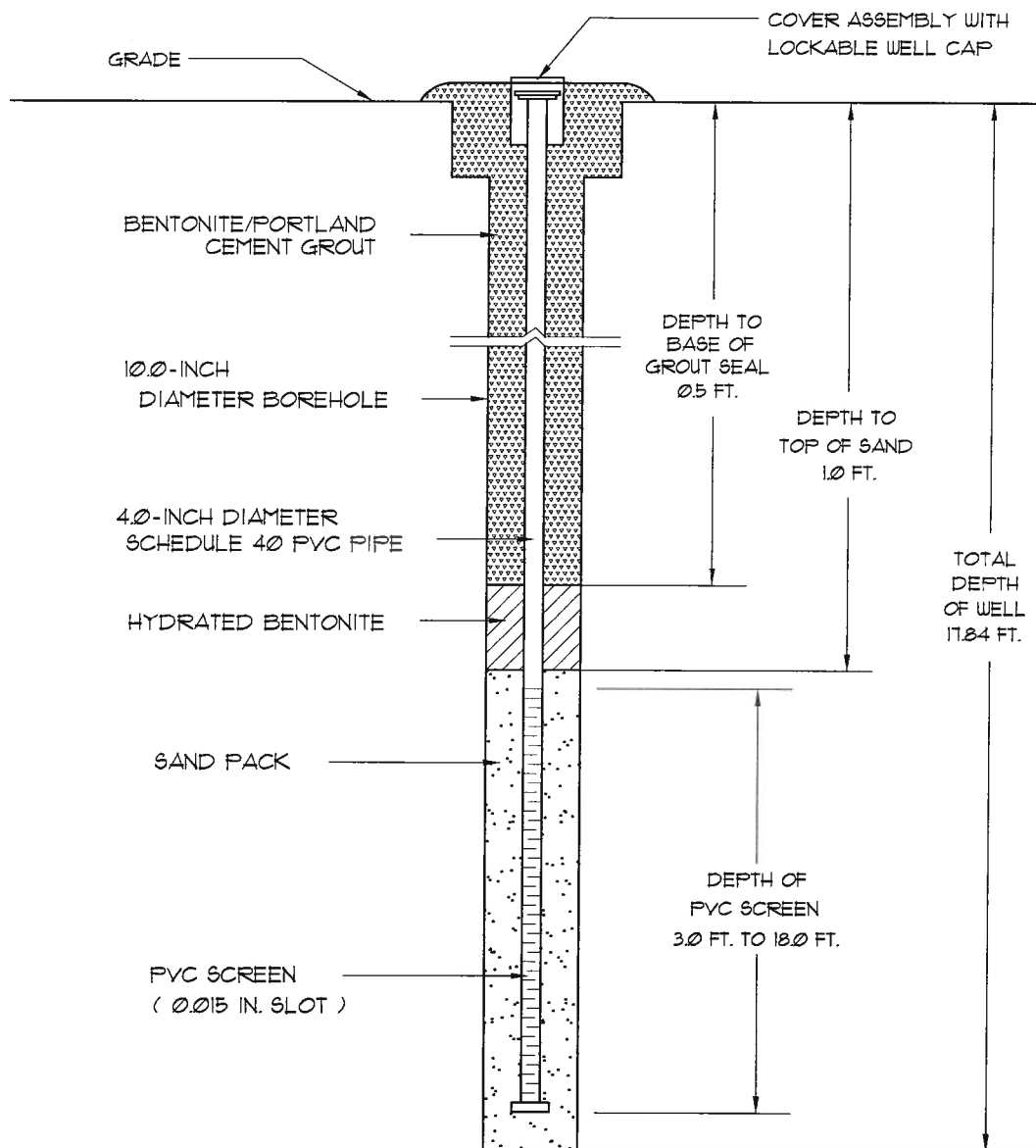
Boring Number: 03538-RW02
Date Drilled: 4/15/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:

Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

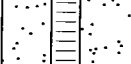
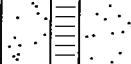
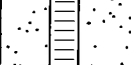


Well Number:	03538-RW02
Date Drilled:	4/15/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. ID#: D 2100
Logged By:	K. Jacobs

Prepared By:

**Midlands
Environmental
Consultants, Inc.**

231 Dooley Road
Lexington, South Carolina 29013
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND	0.0											
	Brown, Fine SAND												
5	Tan, Clayey Fine SAND	6.2											
10		18.1											
15	Red, Clayey Fine SAND	39.3											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Recovery Well Installed to 18.00 Feet BGS. Groundwater Measured at 5.35 Feet Below Top of Casing on 4/19/2021.	76.5											
25													
30													
35													

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

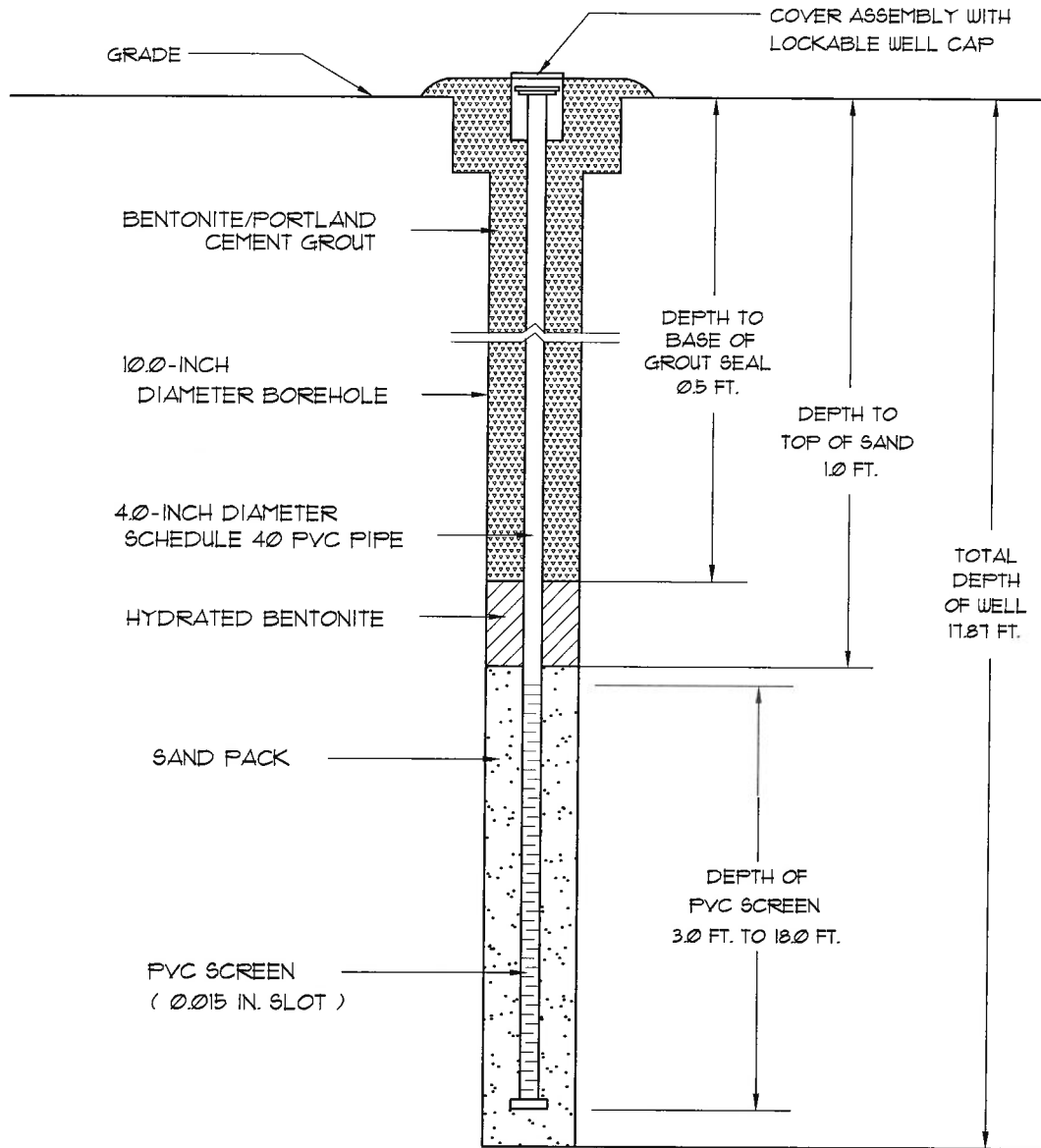
Boring Number: 03538-RW03
Date Drilled: 4/15/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:

 Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

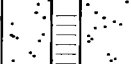
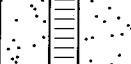
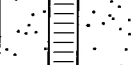


Well Number:	03538-RW03
Date Drilled:	4/15/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. ID#: D 2100
Logged By:	K. Jacobs

Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram 0	Penetration Blows Per Foot									
				5	10	20	40	60	80	100			
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND	0.0											
	Brown, Fine SAND												
5	Tan, Fine SAND	15.5											
10		21.7											
15		41.1											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Recovery Well Installed to 18.00 Feet BGS. Groundwater Measured at 5.51 Feet Below Top of Casing on 4/19/2021.	255.2											
25													
30													
35													

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

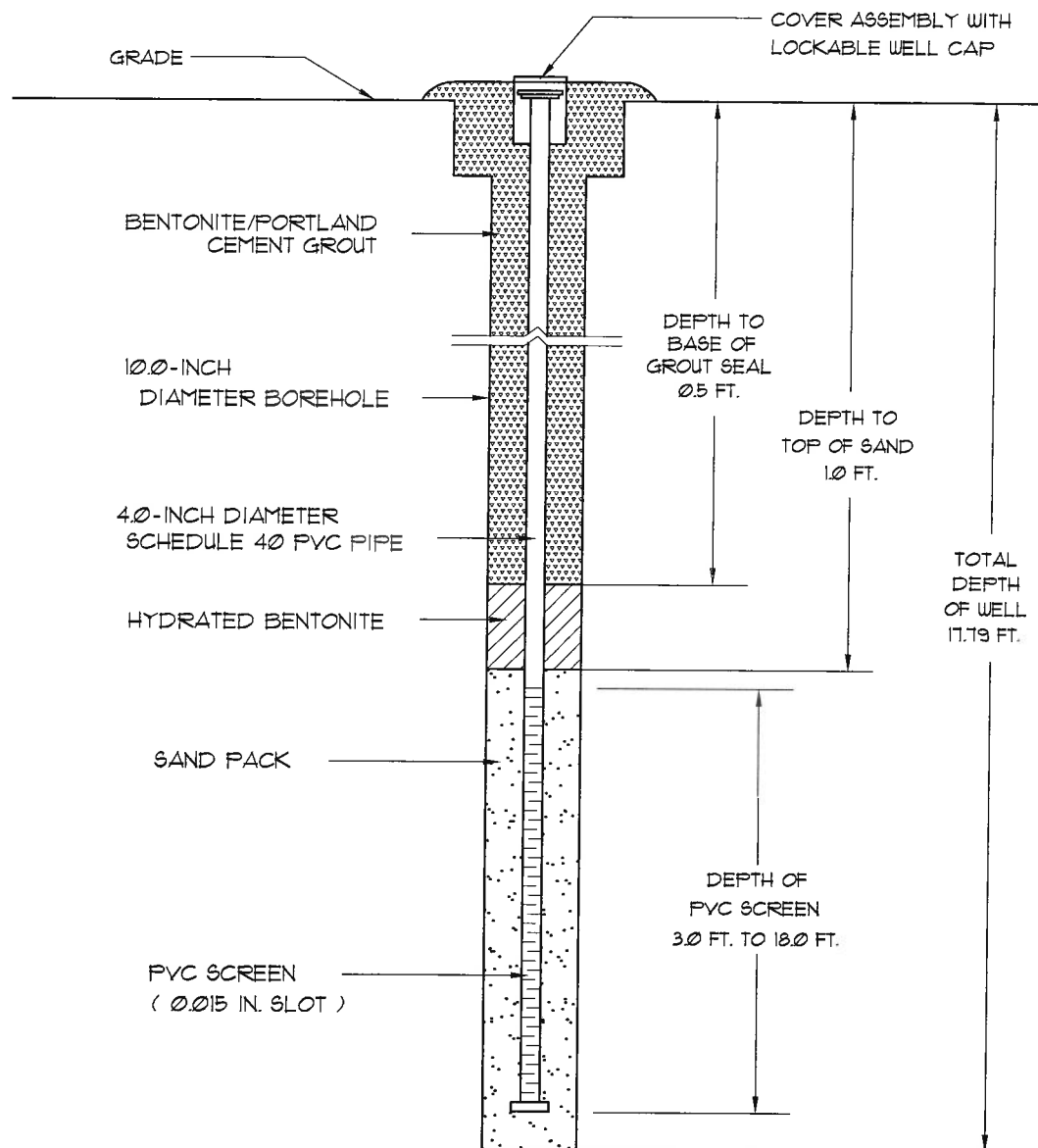
Boring Number: 03538-RW04
Date Drilled: 4/15/2021
Drilled By: EDPs, LLC.
Logged By: K. Jacobs

Prepared By:

 Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
 Florence, South Carolina
 SCDHEC Site ID# 03538
 MECI Project Number 20-7518



Well Number:	03538-RW04
Date Drilled:	4/15/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. I.D.#: D 2100
Logged By:	K. Jacobs

Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
 Lexington, South Carolina 29073
 (803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND	0.0											
	Brown, Fine SAND												
5	Tan, Fine SAND	14.9											
10		31.6											
15	Orange, Fine SAND	49.8											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Recovery Well Installed to 18.00 Feet BGS. Groundwater Measured at 5.99 Feet Below Top of Casing on 4/19/2021.	132.4											
25													
30													
35													

NO BLOWCOUNTS RECORDED

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

Boring Number: 03538-RW05

Date Drilled: 4/15/2021

Drilled By: EDPs, LLC.

Logged By: K. Jacobs

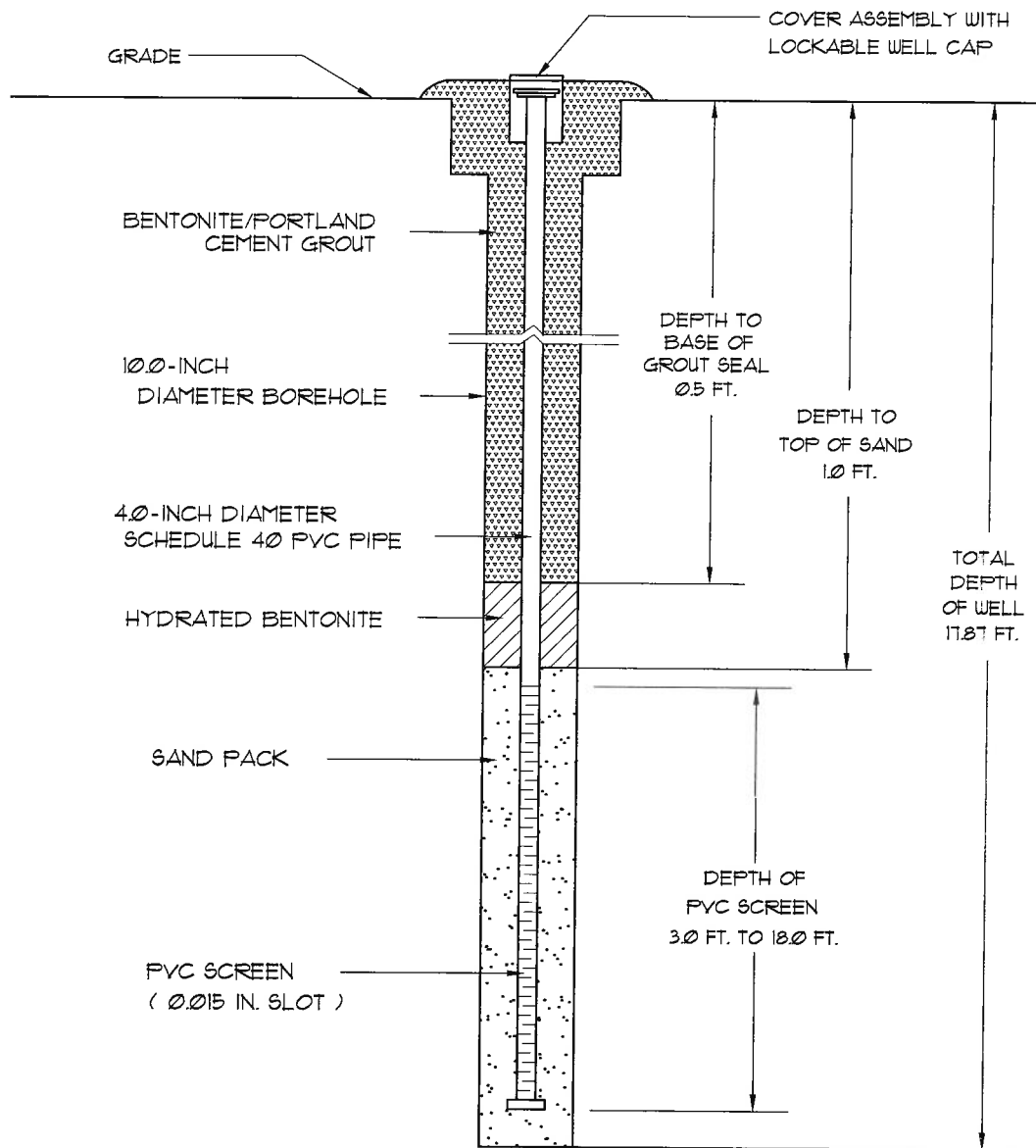
Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518



Well Number:	03538-RW05
Date Drilled:	4/15/2021
Drilled By:	EDPS, LLC.
Driller: J. Pawless	S.C. ID#: D 2100
Logged By:	K. Jacobs

Prepared By:

Midlands
Environmental
Consultants, Inc.

231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

Depth (Feet)	Description	PID PPM	Well Diagram	Penetration Blows Per Foot									
				0	5	10	20	40	60	80	100		
	Dirt												
	COASTAL PLAIN SEDIMENT: Tan, Fine to Medium SAND	0.0											
	Brown, Fine SAND												
5	Orange, Fine SAND	6.7											
10		11.4											
15	Red, Clayey Fine SAND	61.8											
20	Boring Terminated 18.00 Feet Below Ground Surface (BGS). Recovery Well Installed to 18.00 Feet BGS. Groundwater Measured at 6.28 Feet Below Top of Casing on 4/19/2021.	102.6											
25													
30													
35													

TEST BORING RECORD
Coastal T6 Truck Stop
Florence, South Carolina
SCDHEC Site ID# 03538
MECI Project Number 20-7518

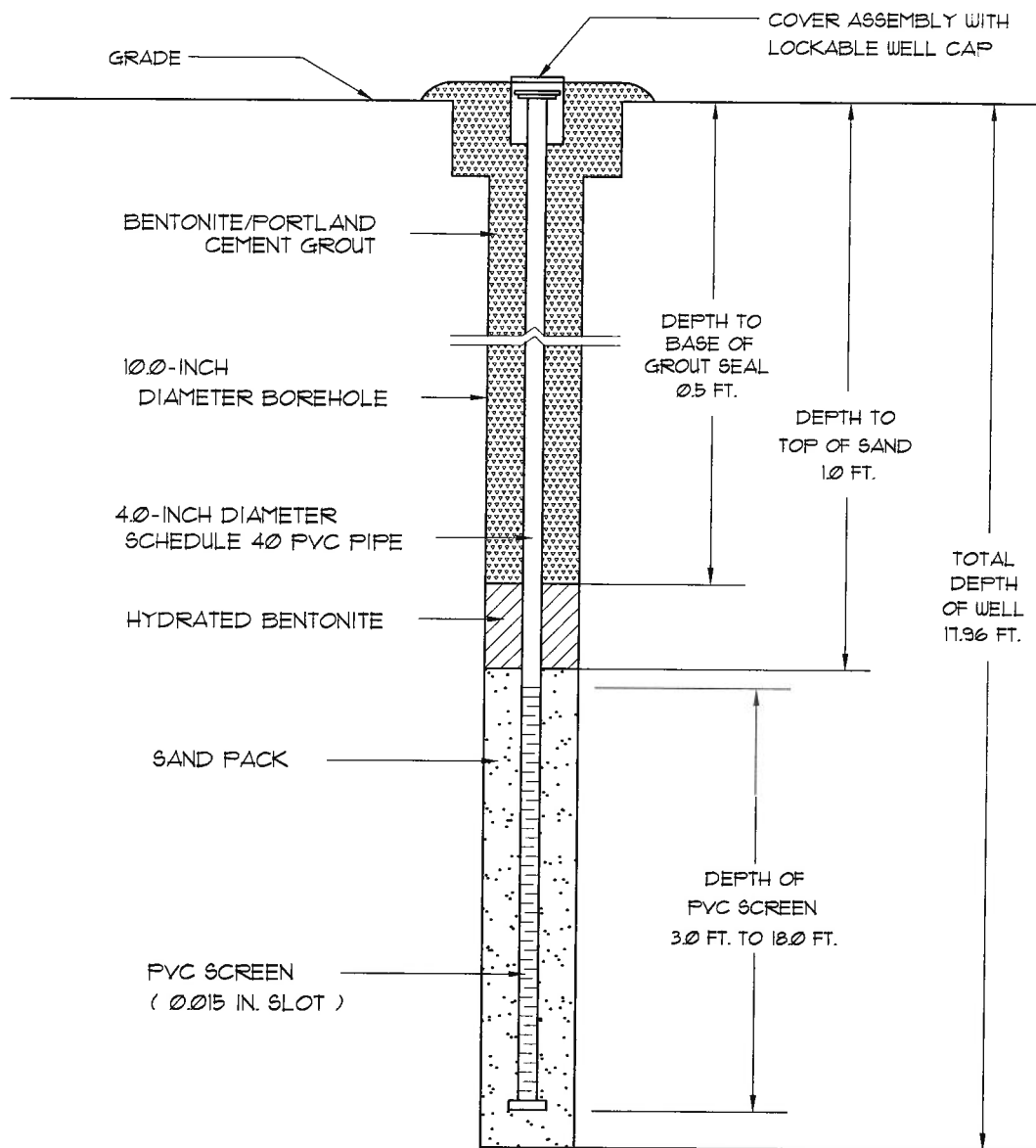
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Date Drilled: 4/15/2021
Drilled By: EDPS, LLC.
Logged By: K. Jacobs

Prepared By:

 Midlands
Environmental
Consultants, Inc.
231 Dooley Road
Lexington, South Carolina 29073
(803) 808-2043 Fax: 808-2048

MONITORING WELL INSTALLATION RECORD

Coastal 76 Truck Stop
 Florence, South Carolina
 SCDHEC Site ID# 03538
 MECI Project Number 20-7518



Well Number: 03538-RW06

Date Drilled: 4/15/2021

Drilled By: EDPs, LLC.

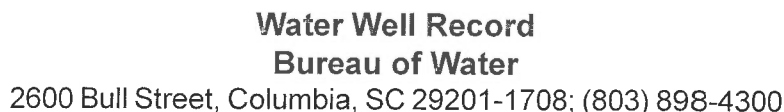
Driller: J. Pawless S.C. I.D.#: D 2100

Logged By: K. Jacobs

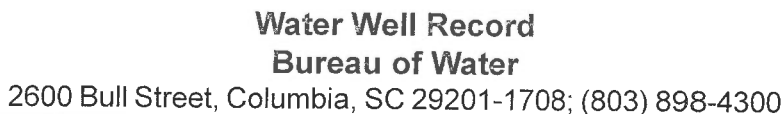
Prepared By:

Midlands
Environmental
Consultants, Inc.

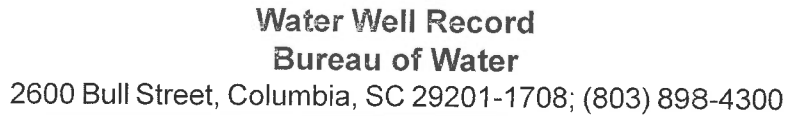
231 Dooley Road
 Lexington, South Carolina 29073
 (803) 808-2043 fax: 808-2048



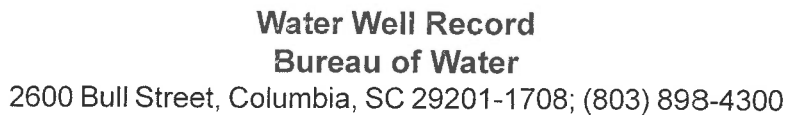
Tommy Bolyard/B1846



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



Water Well Record Bureau of Water

2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:

Name: Dan McEachin (last) (first)
Address: 1007 Wentworth Drive
City: Florence State: SC Zip: 29501-0000
Telephone: Work: Home:

7. PERMIT NUMBER:

UMW-28344

8. USE:

☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed)

Date Started: 4/13/2021

17.0 ft.

Date Completed: 4/13/2021

10. CASING: ☐ Threaded ☐ Welded

Diam.: 2"

Type: ☒ PVC ☐ Galvanized
☐ Steel ☐ Other

2.0 in. to 2.0 ft. depth
in. to ft. depth

Height: Above /Below

Surface _____ ft.

Weight _____ lb./ft.

Drive Shoe? ☐ Yes ☐ No

11. SCREEN:

Type: Schedule 40

Diam.: 2"

Slot/Gauge: 0.010

Length: 15.0

Set Between: 2.0 ft. and 17.0 ft.

NOTE: MULTIPLE SCREENS
USE SECOND SHEET

Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 4.09

ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.

ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: ☐ Yes (please enclose) ☐ No

Yield: _____

14. WATER QUALITY

Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No

Installed from 17.0 ft. to 1.0 ft.

Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☒ Yes ☐ No

☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____

Depth: From 0.50 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction

Type _____

Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____

Not installed ☐

Mfr. Name: _____ Model No.: _____

H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine

☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Jarad Pawless

CERT. NO.: 2100

Address: (Print)

Level: A B C ☒ (circle one)

17538 Greenhill Road

Charlotte, NC 28278

Telephone No.: 704-607-7529

Fax No.: 803-548-2233

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

Signed: _____

Well Driller

Date: 4/30/2021

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

Tommy Bolyard/B1846

2. LOCATION OF WELL:

COUNTY: Florence

Name: Coastal 76 Truck Stop
Street Address: 2513 E Palmetto Street
City: Florence Zip: 29506-0000
Latitude: Longitude:

3. PUBLIC SYSTEM NAME:

03538

PUBLIC SYSTEM NUMBER:

MW15R

4. ABANDONMENT:

☐ Yes ☐ No

Grouted Depth: from _____ ft. to _____ ft.

Formation Description

*Thickness
of
Stratum

Depth to
Bottom of
Stratum

SEE GEOLOGIST LOG

*Indicate Water Bearing Zones

(Use a 2nd sheet if needed)

5. REMARKS:

MW15R

*Bentonite seal from 1.0' to 0.5'

6. TYPE: ☐ Mud Rotary

☐ Jetted

☐ Bored

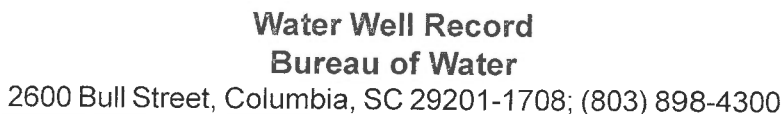
☐ Dug

☐ Air Rotary

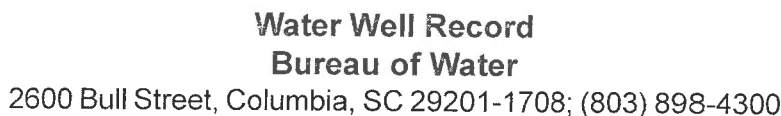
☐ Driven

☐ Cable tool

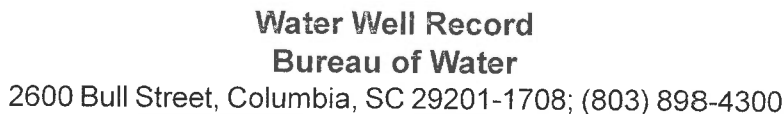
☒ Other - Auger



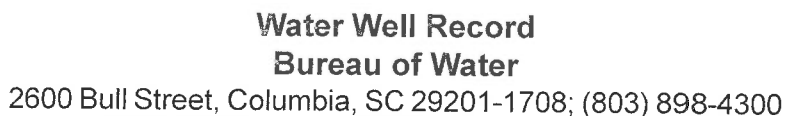
COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



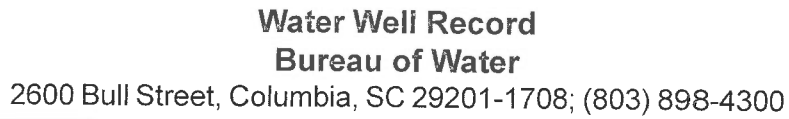
COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



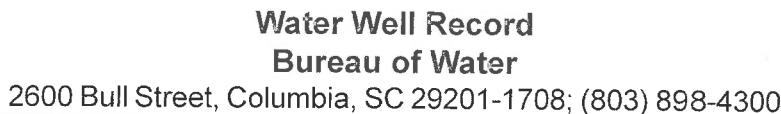
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DHEC 1903 (07/2003) COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



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

1. WELL OWNER INFORMATION:

Name: Dan McEachin (last) (first)
Address: 1007 Wentworth Drive
City: Florence State: SC Zip: 29501-0000
Telephone: Work: Home:

7. PERMIT NUMBER:

UMW-28344

8. USE:

☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed)

Date Started: 4/15/2021

18.0 ft.

Date Completed: 4/15/2021

10. CASING: ☐ Threaded ☐ Welded

Diam.: 4"

Type: ☒ PVC ☐ Galvanized
☐ Steel ☐ Other

4.0 in. to 3.0 ft. depth
in. to ft. depth

Height: Above /Below

Surface _____ ft.

Weight _____ lb./ft.

Drive Shoe? ☐ Yes ☐ No

2. LOCATION OF WELL:

COUNTY: Florence

Name: Coastal 76 Truck Stop
Street Address: 2513 E Palmetto Street
City: Florence Zip: 29506-0000
Latitude: Longitude:

3. PUBLIC SYSTEM NAME:

03538

PUBLIC SYSTEM NUMBER:

RW03

4. ABANDONMENT:

☐ Yes ☐ No

Grouted Depth: from _____ ft. to _____ ft.

11. SCREEN:

Type: Schedule 40

Diam.: 4"

Slot/Gauge: 0.015

Length: 15.0

Set Between: 3.0 ft. and 18.0 ft.

**NOTE: MULTIPLE SCREENS
USE SECOND SHEET**

ft. and ft.

Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 5.35

ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.

ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: ☐ Yes (please enclose) ☐ No

Yield: _____

14. WATER QUALITY

Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No

Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No

Installed from 18.0 ft. to 1.0 ft.

Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☒ Yes ☐ No

☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____

Depth: From 0.50 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction

Type _____

Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐

Mfr. Name: _____ Model No.: _____

H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine

☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Jarad Pawless

CERT. NO.: 2100

Address: (Print)

Level: A B C ☒ D (circle one)

17538 Greenhill Road

Charlotte, NC 28278

Telephone No.: 704-607-7529

Fax No.: 803-548-2233

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

Signed: Jarad Pawless Date: 4/30/2021

Well Driller

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

Tommy Bolyard/B1846

5. REMARKS:

RW03

*Bentonite seal from 1.0' to 0.5'

6. TYPE: ☐ Mud Rotary

☐ Jetted

☐ Bored

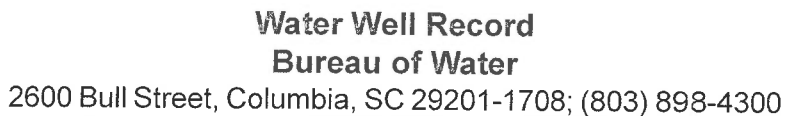
☐ Dug

☐ Air Rotary

☐ Driven

☐ Cable tool

☒ Other - Auger



COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)



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

1. WELL OWNER INFORMATION:

Name: Dan McEachin (last) (first)
Address: 1007 Wentworth Drive
City: Florence State: SC Zip: 29501-0000
Telephone: Work: Home:

7. PERMIT NUMBER:

UMW-28344

8. USE:

☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☒ Monitor Well ☐ Replacement

9. WELL DEPTH (completed)

Date Started: 4/15/2021

18.0 ft.

Date Completed: 4/15/2021

10. CASING: ☐ Threaded ☐ Welded

Diam.: 4"

Type: ☒ PVC ☐ Galvanized
☐ Steel ☐ Other

4.0 in. to 3.0 ft. depth
in. to ft. depth

Height: Above /Below

Surface _____ ft.

Weight _____ lb./ft.

Drive Shoe? ☐ Yes ☐ No

2. LOCATION OF WELL:

COUNTY: Florence

Name: Coastal 76 Truck Stop
Street Address: 2513 E Palmetto Street
City: Florence Zip: 29506-0000
Latitude: Longitude:

3. PUBLIC SYSTEM NAME:

03538

PUBLIC SYSTEM NUMBER:

RW06

4. ABANDONMENT:

☐ Yes ☐ No

Grouted Depth: from _____ ft. to _____ ft.

11. SCREEN:

Type: Schedule 40

Diam.: 4"

Slot/Gauge: 0.015

Length: 15.0

Set Between: 3.0 ft. and 18.0 ft.

NOTE: MULTIPLE SCREENS
USE SECOND SHEET

Sieve Analysis ☐ Yes (please enclose) ☐ No

12. STATIC WATER LEVEL 6.28

ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.

_____ ft. after _____ hrs. Pumping _____ G.P.M.

Pumping Test: ☐ Yes (please enclose) ☐ No

Yield: _____

14. WATER QUALITY

Chemical Analysis ☐ Yes ☐ No Bacterial Analysis ☐ Yes ☐ No

Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☒ Yes ☐ No

Installed from 18.0 ft. to 1.0 ft.

Effective size 1.43 Uniformity Coefficient 1.30

16. WELL GROUTED? ☒ Yes ☐ No

☐ Neat Cement ☐ Bentonite ☒ Bentonite/Cement ☐ Other _____

Depth: From 0.50 ft. to 0.0 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction

Type _____

Well Disinfected ☐ Yes ☐ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☐

Mfr. Name: _____ Model No.: _____

H.P. _____ Volts _____ Length of drop pipe _____ ft. Capacity _____ gpm

TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine

☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Jarad Pawless

CERT. NO.: 2100

Address: (Print)

Level: A B C **(D)** (circle one)

17538 Greenhill Road

Charlotte, NC 28278

Telephone No.: 704-607-7529

Fax No.: 803-548-2233

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

Signed: _____

Well Driller

Date: 4/30/2021

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

Tommy Bolyard/B1846

5. REMARKS:

RW06

*Bentonite seal from 1.0' to 0.5'

6. TYPE: ☐ Mud Rotary

☐ Jetted

☐ Bored

☐ Dug

☐ Air Rotary

☐ Driven

☐ Cable tool

☒ Other - Auger



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck StopSite ID#: 03538Date: 4/19/2021Drilling Company: EDPSDriller: Jared PawlessField Personnel: K.J., J.P.Driller Certification Number: D 2100Weather Conditions: Sunny Temp. (°F): 79**Well Development Method**Surge Block: Submersible Pump: XAir Lifting: **Bailing can be combined with any of the above methods, but not utilized alone for development**Quality Assurance**pH Meter:Serial no. 15E101481pH=4.0 XpH=7.0 XpH=10.0 XConductivity Meter:Serial no. 15E101481Standard XTemperature Meter:Serial no. 14H103098Turbidity Meter:Serial No. 201301174NTU 0.0 XNTU 1.0 XNTU 10.0 X**Drilling Method**Hollow Stem Augers: XSolid Flight Augers: Direct Push: Air Rotary: Mud Rotary: Sonic: Monitoring Well ID#: MW-2RWell Casing Diameter (in) 2Borehole Diameter (in): 7.5Depth to Ground Water (DGW): 6.11 ft.Screen Length (ft): 15Slot Size (in): 0.010Total Well Depth (TWD): 17.88 ft.Screen Interval: 3.0 ft. to 18.0 ft.Length of Water Column (TWD-DGW): 11.77 ft.Type of Drilling Fluid Used: N/ATotal Gallons of Water Removed: 11.00 gals.Drilling Fluids Recovered: N/A

Time:	12:44	12:46	12:48	12:50	12:52			
pH(s.u)*:	6.27	6.02	6.06	5.92	5.94			
Specific Conductivity (mmhos/cm)*:	283.1	278.0	270.6	185.1	264.9			
Water Temperature (°C)*:	20.0	19.0	19.2	19.6	19.4			
Turbidity (NTU)*:	269.4	174.9	89.34	41.69	9.12			
Physical Characteristics (color/odor):	Grey/Odor	Grey/Odor	Light Grey/ Odor	Clear / Odor	Clear / Odor			
Depth to Water (ft from TOC):	6.30	8.94	10.31	14.69	16.98			
Cumulative Gallons Removed:	0.0	3.0	6.0	9.0	11.0			

*Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are $\pm 10\%$ **Detailed Description of Well Development Process:**

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 11.0 gallons were removed.

Driller Signature: Jared PawlessDate: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH-7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH-10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-5R Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5
Depth to Ground Water (DGW): 4.76 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 18.15 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 13.39 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 20.00 gals. Drilling Fluids Recovered: N/A

Time:	10:55	10:57	10:59	11:01	11:03			
pH(s.u)*:	5.51	5.58	5.70	5.65	5.66			
Specific Conductivity (mmhos/cm)*:	242.4	352.8	215.9	200.9	198.9			
Water Temperature (°C)*:	20.7	18.6	18.2	18.0	18.2			
Turbidity (NTU)*:	219.7	211.0	143.50	67.11	10.06			
Physical Characteristics (color/odor):	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Clear / Slight Odor	Clear / Slight Odor			
Depth to Water (ft from TOC):	4.76	7.14	9.04	9.97	10.34			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

*Development is completed once groundwater turbidity is ≤10 NTU and all parameters are ± 10%

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: _____

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name:	<u>Coastal 76 Truck Stop</u>	Site ID#:	<u>03538</u>	Date:	<u>4/19/2021</u>
Drilling Company:	<u>EDPS</u>	Driller:	<u>Jared Pawless</u>		
Field Personnel:	<u>K.J., J.P.</u>	Driller Certification Number:	<u>D 2100</u>		
Weather Conditions:	<u>Sunny</u>	Temp. (°F):	<u>79</u>		

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH-7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH-10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: <u>X</u>	Solid Flight Augers: <u> </u>	Direct Push: <u> </u>
Air Rotary: <u> </u>	Mud Rotary: <u> </u>	Sonic: <u> </u>

Monitoring Well ID#:	<u>MW-7R</u>	Well Casing Diameter (in)	<u>2</u>	Borehole Diameter (in):	<u>7.5</u>
Depth to Ground Water (DGW):	<u>4.79</u> ft.	Screen Length (ft):	<u>15</u>	Slot Size (in):	<u>0.010</u>
Total Well Depth (TWD):	<u>17.90</u> ft.	Screen Interval:	<u>3.0</u> ft. to <u>18.0</u> ft.		
Length of Water Column (TWD-DGW):	<u>13.11</u> ft.	Type of Drilling Fluid Used:	<u>N/A</u>		
Total Gallons of Water Removed:	<u>20.00</u> gals.	Drilling Fluids Recovered:	<u>N/A</u>		

Time:	11:09	11:11	11:13	11:15	11:17			
pH(s.u)*:	6.12	6.20	6.10	6.11	6.13			
Specific Conductivity (mmhos/cm)*:	226.0	238.9	209.9	204.6	209.6			
Water Temperature (°C)*:	19.4	17.9	17.6	17.6	17.6			
Turbidity (NTU)*:	314.3	231.2	124.70	54.12	10.11			
Physical Characteristics (color/odor):	Brown/ Slight Odor	Brown/ Slight Odor	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Clear / Slight Odor			
Depth to Water (ft from TOC):	4.83	6.93	9.03	11.36	13.16			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

*Development is completed once groundwater turbidity is ≤10 NTU and all parameters are ± 10%

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: _____

Date: 4/19/2021



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021Drilling Company: EDPS Driller: Jared PawlessField Personnel: K.J., J.P. Driller Certification Number: D 2100Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>		<u>Conductivity Meter:</u>		<u>Temperature Meter:</u>		<u>Turbidity Meter:</u>	
Serial no. <u>15E101481</u>		Serial no. <u>15E101481</u>		Serial no. <u>14H103098</u>		Serial No. <u>201301174</u>	
pH=4.0 <u>X</u>		Standard <u>X</u>				NTU 0.0 <u>X</u>	
pH-7.0 <u>X</u>						NTU 1.0 <u>X</u>	
pH-10.0 <u>X</u>						NTU10.0 <u>X</u>	

Drilling Method

Hollow Stem Augers: <u>X</u>	Solid Flight Augers: <u> </u>	Direct Push: <u> </u>
Air Rotary: <u> </u>	Mud Rotary: <u> </u>	Sonic: <u> </u>

Monitoring Well ID#: <u>MW-10RR</u>	Well Casing Diameter (in): <u>2</u>	Borehole Diameter (in): <u>7.5</u>
Depth to Ground Water (DGW): <u>4.60</u> ft.	Screen Length (ft): <u>15</u>	Slot Size (in): <u>0.010</u>
Total Well Depth (TWD): <u>18.02</u> ft.	Screen Interval: <u>3.0</u> ft. to <u>18.0</u> ft.	
Length of Water Column (TWD-DGW): <u>13.42</u> ft.	Type of Drilling Fluid Used: <u>N/A</u>	
Total Gallons of Water Removed: <u>25.00</u> gals.	Drilling Fluids Recovered: <u>N/A</u>	

Time:	10:39	10:41	10:43	10:45	10:47	10:49		
pH(s.u)*:	4.86	4.71	4.60	4.62	4.57	4.61		
Specific Conductivity (mmhos/cm)*:	85.3	84.0	79.1	81.7	80.3	80.7		
Water Temperature (°C)*:	19.6	18.4	17.9	17.9	17.9	19.9		
Turbidity (NTU)*:	319.6	211.9	143.7	71.86	23.04	7.07		
Physical Characteristics (color/odor):	Brown/ No Odor	Brown/ No Odor	Light Brown/ No Odor	Light Brown/ No Odor	Clear / No Odor	Clear / No Odor		
Depth to Water (ft from TOC):	4.97	7.34	10.07	13.86	14.73	14.81		
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0	25.0		

*Development is completed once groundwater turbidity is ≤ 10 NTU and all parameters are $\pm 10\%$

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 25.0 gallons were removed.

Driller Signature: Jared PawlessDate: 4/19/2021



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck StopSite ID#: 03538Date: 4/19/2021Drilling Company: EDPSDriller: Jared PawlessField Personnel: K.J., J.P.Driller Certification Number: D 2100Weather Conditions: Sunny Temp. (°F): 79**Well Development Method**Surge Block: Submersible Pump: XAir Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality AssurancepH Meter:Serial no. 15E101481pH=4.0 XpH=7.0 XpH=10.0 XConductivity Meter:Serial no. 15E101481Standard XTemperature Meter:Serial no. 14H103098Turbidity Meter:Serial No. 201301174NTU 0.0 XNTU 1.0 XNTU10.0 X**Drilling Method**Hollow Stem Augers: XSolid Flight Augers: Direct Push: Air Rotary: Mud Rotary: Sonic: Monitoring Well ID#: MW-15RWell Casing Diameter (in) 2Borehole Diameter (in): 7.5Depth to Ground Water (DGW): 4.09 ft.Screen Length (ft): 15Slot Size (in): 0.010Total Well Depth (TWD): 16.94 ft.Screen Interval: 2.0 ft. to 17.0 ft.Length of Water Column (TWD-DGW): 12.85 ft.Type of Drilling Fluid Used: N/ATotal Gallons of Water Removed: 20.00 gals.Drilling Fluids Recovered: N/A

Time:	11:36	11:38	11:40	11:42	11:44			
pH(s.u)*:	6.09	6.03	5.88	5.62	5.66			
Specific Conductivity (mmhos/cm)*:	186.2	171.5	146.3	111.4	104.9			
Water Temperature (°C)*:	18.7	18.1	18.2	18.0	18.1			
Turbidity (NTU)*:	269.3	183.4	93.41	46.29	9.94			
Physical Characteristics (color/odor):	Brown/ No Odor	Brown/ No Odor	Light Brown/ No Odor	Light Brown/ No Odor	Clear / No Odor			
Depth to Water (ft from TOC):	4.97	7.34	10.07	13.86	14.73			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

*Development is completed once groundwater turbidity is ≤10 NTU and all parameters are ± 10%

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: Jared PawlessDate: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
 Drilling Company: EDPS Driller: Jared Pawless
 Field Personnel: K.J., J.P. Driller Certification Number: D 2100
 Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:
**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
 Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-16R Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5
 Depth to Ground Water (DGW): 5.40 ft. Screen Length (ft): 15 Slot Size (in): 0.010
 Total Well Depth (TWD): 17.14 ft. Screen Interval: 2.0 ft. to 17.0 ft.
 Length of Water Column (TWD-DGW): 11.74 ft. Type of Drilling Fluid Used: N/A
 Total Gallons of Water Removed: 10.00 gals. Drilling Fluids Recovered: N/A

Time:	11:50	11:52	11:54	11:56	11:58			
pH(s.u)*:	6.38	6.93	7.05	7.07	7.09			
Specific Conductivity (mmhos/cm)*:	1035	1115	1137	1149	1151			
Water Temperature (°C)*:	19.9	22.1	23.4	23.6	23.5			
Turbidity (NTU)*:	309.7	216.9	101.90	41.82	9.12			
Physical Characteristics (color/odor):	Brown/ No Odor	Grey Brown/ No Odor	Light Grey/ No Odor	Clear/ No Odor	Clear / No Odor			
Depth to Water (ft from TOC):	5.63	8.19	11.44	14.74	15.97			
Cumulative Gallons Removed:	0.0	3.0	5.0	8.0	10.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 10.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-17R Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5
Depth to Ground Water (DGW): 6.50 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 18.20 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 11.70 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 16.00 gals. Drilling Fluids Recovered: N/A

Time:	12:17	12:19	12:21	12:23	12:25			
pH(s.u)*:	5.61	5.55	5.50	5.56	5.66			
Specific Conductivity (mmhos/cm)*:	205.0	194.4	153.7	151.5	148.8			
Water Temperature (°C)*:	19.7	18.7	18.6	19.3	20.3			
Turbidity (NTU)*:	279.6	132.7	76.34	31.28	8.74			
Physical Characteristics (color/odor):	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Clear/ Slight Odor	Clear/ Slight Odor			
Depth to Water (ft from TOC):	6.74	8.36	11.21	13.21	16.21			
Cumulative Gallons Removed:	0.0	5.0	8.0	12.0	16.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 16.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck StopSite ID#: 03538Date: 4/19/2021Drilling Company: EDPSDriller: Jared PawlessField Personnel: K.J., J.P.Driller Certification Number: D 2100Weather Conditions: Sunny Temp. (°F): 79Well Development MethodSurge Block: Submersible Pump: XAir Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality AssurancepH Meter:Serial no. 15E101481pH=4.0 XpH=7.0 XpH=10.0 XConductivity Meter:Serial no. 15E101481Standard XTemperature Meter:Serial no. 14H103098Turbidity Meter:Serial No. 201301174NTU 0.0 XNTU 1.0 XNTU10.0 XDrilling MethodHollow Stem Augers: XSolid Flight Augers: Direct Push: Air Rotary: Mud Rotary: Sonic: Monitoring Well ID#: MW-22RWell Casing Diameter (in) 2Borehole Diameter (in): 7.5Depth to Ground Water (DGW): 5.33 ft.Screen Length (ft): 15Slot Size (in): 0.010Total Well Depth (TWD): 16.85 ft.Screen Interval: 2.0 ft. to 17.0 ft.Length of Water Column (TWD-DGW): 11.52 ft.Type of Drilling Fluid Used: N/ATotal Gallons of Water Removed: 11.00 gals.Drilling Fluids Recovered: N/A

Time:	11:23	11:25	11:27	11:29	11:31			
pH(s.u)*:	6.37	6.53	6.64	6.62	6.61			
Specific Conductivity (mmhos/cm)*:	361.3	353.0	336.2	312.5	303.2			
Water Temperature (°C)*:	19.7	19.6	20.0	20.5	20.6			
Turbidity (NTU)*:	296.9	173.2	86.34	34.61	9.03			
Physical Characteristics (color/odor):	Grey/ No Odor	Grey/ No Odor	Grey/ No Odor	Clear/ No Odor	Clear/ No Odor			
Depth to Water (ft from TOC):	5.54	8.43	12.51	15.24	16.34			
Cumulative Gallons Removed:	0.0	3.0	5.0	8.0	11.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 11.0 gallons were removed.

Driller Signature: Jared PawlessDate: 4/19/2021



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021

Drilling Company: EDPS Driller: Jared Pawless

Field Personnel: K.J., J.P. Driller Certification Number: D 2100

Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-24R Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5

Depth to Ground Water (DGW): 5.69 ft. Screen Length (ft): 15 Slot Size (in): 0.010

Total Well Depth (TWD): 16.95 ft. Screen Interval: 2.0 ft. to 17.0 ft.

Length of Water Column (TWD-DGW): 11.26 ft. Type of Drilling Fluid Used: N/A

Total Gallons of Water Removed: 11.00 gals. Drilling Fluids Recovered: N/A

Time:	9:43	9:45	9:47	9:49	9:51			
pH(s.u)*:	5.54	5.58	5.65	5.51	5.56			
Specific Conductivity (mmhos/cm)*:	140.5	139.6	106.5	85.4	86.5			
Water Temperature (°C)*:	19.7	19.9	20.4	20.6	20.7			
Turbidity (NTU)*:	261.3	163.9	104.30	59.38	9.04			
Physical Characteristics (color/odor):	Light Brown/ No Odor	Light Brown/ No Odor	Light Brown/ No Odor	Clear/ No Odor	Clear/ No Odor			
Depth to Water (ft from TOC):	6.12	8.91	12.61	15.61	16.12			
Cumulative Gallons Removed:	0.0	3.0	5.0	8.0	11.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 11.0 gallons were removed.

Driller Signature: Jared Pawless

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-25R Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5
Depth to Ground Water (DGW): 4.16 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 18.13 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 13.97 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 11.00 gals. Drilling Fluids Recovered: N/A

Time:	10:11	10:13	10:15	10:17	10:19			
pH(s.u)*:	5.68	5.99	5.95	5.71	5.67			
Specific Conductivity (mmhos/cm)*:	131.0	129.3	106.0	106.6	107.3			
Water Temperature (°C)*:	20.2	20.8	21.1	21.0	21.0			
Turbidity (NTU)*:	179.4	109.3	64.32	28.69	8.13			
Physical Characteristics (color/odor):	Brown/ No Odor	Light Brown/ No Odor	Clear/ No Odor	Clear/ No Odor	Clear/ No Odor			
Depth to Water (ft from TOC):	5.01	8.69	14.03	16.43	17.14			
Cumulative Gallons Removed:	0.0	3.0	5.0	8.0	11.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 11.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021Drilling Company: EDPS Driller: Jared PawlessField Personnel: K.J., J.P. Driller Certification Number: D 2100Weather Conditions: Sunny Temp. (°F): 79**Well Development Method**Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

pH Meter:		Conductivity Meter:		Temperature Meter:		Turbidity Meter:	
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>				
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>				
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>				
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>				

Drilling MethodHollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: <u>MW-25D</u>	Well Casing Diameter (in) <u>2</u>	Borehole Diameter (in): <u>7.5</u>
Depth to Ground Water (DGW): <u>4.92</u> ft.	Screen Length (ft): <u>5</u>	Slot Size (in): <u>0.010</u>
Total Well Depth (TWD): <u>36.20</u> ft.	Screen Interval: <u>31.0</u> ft. to <u>36.0</u> ft.	
Length of Water Column (TWD-DGW): <u>31.28</u> ft.	Type of Drilling Fluid Used: <u>N/A</u>	
Total Gallons of Water Removed: <u>11.00</u> gals.	Drilling Fluids Recovered: <u>N/A</u>	

Time:	9:58	10:00	10:02	10:04	10:06			
pH(s.u)*:	5.10	5.06	5.07	5.03	4.97			
Specific Conductivity (mmhos/cm)*:	57.9	64.2	66.9	53.8	49.6			
Water Temperature (°C)*:	21.3	20.9	21.0	21.9	22.1			
Turbidity (NTU)*:	286.9	163.4	43.14	47.11	8.63			
Physical Characteristics (color/odor):	Light Brown/ No Odor	Light Brown/ No Odor	Light Brown/ No Odor	Clear/ No Odor	Clear/ No Odor			
Depth to Water (ft from TOC):	5.17	15.81	23.79	34.18	32.41			
Cumulative Gallons Removed:	0.0	3.0	6.0	9.0	11.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 11.0 gallons were removed.

Driller Signature: Jared PawlessDate: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:
**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

pH Meter:	Conductivity Meter:	Temperature Meter:	Turbidity Meter:
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

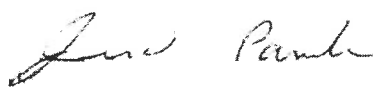
Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-26R Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5
Depth to Ground Water (DGW): 5.41 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 17.98 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 12.57 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 12.00 gals. Drilling Fluids Recovered: N/A

Time:	10:24	10:26	10:28	10:30	10:32			
pH(s.u)*:	6.25	6.16	6.04	5.99	6.01			
Specific Conductivity (mmhos/cm)*:	242.9	240.0	212.9	203.1	192.4			
Water Temperature (°C)*:	20.4	19.9	20.0	20.3	20.4			
Turbidity (NTU)*:	296.0	130.6	76.31	24.61	7.99			
Physical Characteristics (color/odor):	Light Brown/ No Odor	Light Brown/ No Odor	Light Brown/ No Odor	Clear/ No Odor	Clear/ No Odor			
Depth to Water (ft from TOC):	6.24	8.40	12.07	14.13	15.61			
Cumulative Gallons Removed:	0.0	3.0	6.0	9.0	12.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 12.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:
**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-29 Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5
Depth to Ground Water (DGW): 5.14 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 17.91 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 12.77 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 11.00 gals. Drilling Fluids Recovered: N/A

Time:	12:04	12:06	12:08	12:10	12:12			
pH(s.u)*:	6.61	6.53	6.41	6.49	6.43			
Specific Conductivity (mmhos/cm)*:	510	519	501	500	504			
Water Temperature (°C)*:	20.2	20.7	20.5	21.1	20.8			
Turbidity (NTU)*:	269.4	131.2	69.43	24.61	9.02			
Physical Characteristics (color/odor):	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Clear/ Slight Odor	Clear/ Slight Odor			
Depth to Water (ft from TOC):	5.36	8.21	12.31	15.83	17.12			
Cumulative Gallons Removed:	0.0	3.0	5.0	8.0	11.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 11.0 gallons were removed.

Driller Signature: _____

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

pH Meter:	Conductivity Meter:	Temperature Meter:	Turbidity Meter:
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

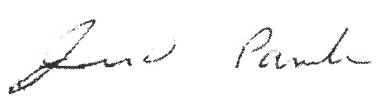
Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: MW-30 Well Casing Diameter (in) 2 Borehole Diameter (in): 7.5
Depth to Ground Water (DGW): 4.94 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 18.07 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 13.13 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 11.00 gals. Drilling Fluids Recovered: N/A

Time:	9:30	9:32	9:34	9:36	9:38			
pH(s.u)*:	5.90	5.83	5.48	5.22	5.15			
Specific Conductivity (mmhos/cm)*:	80.9	75.1	56.7	60.0	57.4			
Water Temperature (°C)*:	19.2	19.0	19.4	20.1	19.8			
Turbidity (NTU)*:	296.3	194.7	134.20	70.41	9.82			
Physical Characteristics (color/odor):	Brown/ No Odor	Light Brown/ No Odor	Light Brown/ No Odor	Clear/ No Odor	Clear/ No Odor			
Depth to Water (ft from TOC):	5.69	8.15	12.14	15.31	17.12			
Cumulative Gallons Removed:	0.0	3.0	5.0	8.0	11.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 11.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck StopSite ID#: 03538Date: 4/19/2021Drilling Company: EDPSDriller: Jared PawlessField Personnel: K.J., J.P.Driller Certification Number: D 2100Weather Conditions: Sunny Temp. (°F): 79**Well Development Method**Surge Block: Submersible Pump: XAir Lifting: **Bailing can be combined with any of the above methods, but not utilized alone for development**Quality Assurance**pH Meter:Serial no. 15E101481pH=4.0 XpH=7.0 XpH=10.0 XConductivity Meter:Serial no. 15E101481Standard XTemperature Meter:Serial no. 14H103098Turbidity Meter:Serial No. 201301174NTU 0.0 XNTU 1.0 XNTU10.0 X**Drilling Method**Hollow Stem Augers: XSolid Flight Augers: Direct Push: Air Rotary: Mud Rotary: Sonic: Monitoring Well ID#: RW-1Well Casing Diameter (in) 4Borehole Diameter (in): 10.0Depth to Ground Water (DGW): 5.66 ft.Screen Length (ft): 15Slot Size (in): 0.010Total Well Depth (TWD): 18.04 ft.Screen Interval: 3.0 ft. to 18.0 ft.Length of Water Column (TWD-DGW): 12.38 ft.Type of Drilling Fluid Used: N/ATotal Gallons of Water Removed: 20.00 gals.Drilling Fluids Recovered: N/A

Time:	14:10	14:12	14:14	14:16	14:18			
pH(s.u)*:	5.40	5.21	4.98	5.05	5.13			
Specific Conductivity (mmhos/cm)*:	107.4	105.0	106.7	87.3	79.3			
Water Temperature (°C)*:	20.7	19.7	19.4	19.3	19.3			
Turbidity (NTU)*:	267.9	143.6	86.41	41.32	9.67			
Physical Characteristics (color/odor):	Red Brown/ Odor	Red Brown/ Odor	Red Brown/ Odor	Clear/ Odor	Clear/ Odor			
Depth to Water (ft from TOC):	5.87	6.37	7.11	8.01	8.69			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: Jared PawlessDate: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:
**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: RW-2 Well Casing Diameter (in) 4 Borehole Diameter (in): 10.0
Depth to Ground Water (DGW): 5.68 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 17.84 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 12.16 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 20.00 gals. Drilling Fluids Recovered: N/A

Time:	13:39	13:41	13:43	13:45	13:47			
pH(s.u)*:	5.80	5.79	5.74	5.69	5.71			
Specific Conductivity (mmhos/cm)*:	50.9	136.8	158.9	149.2	136.7			
Water Temperature (°C)*:	19.7	19.2	19.1	19.1	19.0			
Turbidity (NTU)*:	289.4	177.3	98.34	43.74	10.12			
Physical Characteristics (color/odor):	Brown/ Odor	Light Brown/ Odor	Light Brown/ Odor	Light Brown/ Odor	Clear/ Odor			
Depth to Water (ft from TOC):	6.14	7.94	9.03	10.47	11.69			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:
**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH-7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH-10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: RW-3 Well Casing Diameter (in) 4 Borehole Diameter (in): 10.0
Depth to Ground Water (DGW): 5.35 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 17.87 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 12.52 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 20.00 gals. Drilling Fluids Recovered: N/A

Time:	12:30	12:32	12:34	12:36	12:38			
pH(s.u)*:	6.00	6.15	6.01	6.07	6.04			
Specific Conductivity (mmhos/cm)*:	159.5	246.8	254.1	295.1	259.3			
Water Temperature (°C)*:	20.3	19.0	19.0	19.0	18.8			
Turbidity (NTU)*:	291.3	174.7	99.43	30.41	9.41			
Physical Characteristics (color/odor):	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Light Brown/ Slight Odor	Clear/ Slight Odor			
Depth to Water (ft from TOC):	5.61	7.14	10.13	12.64	14.12			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021
Drilling Company: EDPS Driller: Jared Pawless
Field Personnel: K.J., J.P. Driller Certification Number: D 2100
Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU 10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: RW-4 Well Casing Diameter (in) 4 Borehole Diameter (in): 10.0
Depth to Ground Water (DGW): 5.51 ft. Screen Length (ft): 15 Slot Size (in): 0.010
Total Well Depth (TWD): 17.79 ft. Screen Interval: 3.0 ft. to 18.0 ft.
Length of Water Column (TWD-DGW): 12.28 ft. Type of Drilling Fluid Used: N/A
Total Gallons of Water Removed: 20.00 gals. Drilling Fluids Recovered: N/A

Time:	12:58	13:00	13:02	13:04	13:06			
pH(s.u)*:	5.57	5.31	5.33	5.44	5.54			
Specific Conductivity (mmhos/cm)*:	204.2	196.8	168.1	153.0	147.0			
Water Temperature (°C)*:	24.2	19.3	19.1	19.0	18.9			
Turbidity (NTU)*:	264.3	141.9	83.49	36.12	9.13			
Physical Characteristics (color/odor):	Light Brown/ Odor	Light Brown/ Odor	Light Brown/ Odor	Clear/ Odor	Clear/ Odor			
Depth to Water (ft from TOC):	6.12	7.69	8.77	9.49	10.11			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: 

Date: 4/19/2021



Well Development Data Verification Form

Underground Storage Tank Management Division

Facility Name: Coastal 76 Truck Stop Site ID#: 03538 Date: 4/19/2021

Drilling Company: EDPS Driller: Jared Pawless

Field Personnel: K.J., J.P. Driller Certification Number: D 2100

Weather Conditions: Sunny Temp. (°F): 79

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: X Solid Flight Augers: Direct Push:
Air Rotary: Mud Rotary: Sonic:

Monitoring Well ID#: <u>RW-5</u>	Well Casing Diameter (in) <u>4</u>	Borehole Diameter (in): <u>10.0</u>
Depth to Ground Water (DGW): <u>5.99</u> ft.	Screen Length (ft): <u>15</u>	Slot Size (in): <u>0.010</u>
Total Well Depth (TWD): <u>17.88</u> ft.	Screen Interval: <u>3.0</u> ft. to <u>18.0</u> ft.	
Length of Water Column (TWD-DGW): <u>11.89</u> ft.	Type of Drilling Fluid Used: <u>N/A</u>	
Total Gallons of Water Removed: <u>20.00</u> gals.	Drilling Fluids Recovered: <u>N/A</u>	

Time:	13:12	13:14	13:16	13:18	13:20			
pH(s.u)*:	5.84	6.06	5.90	5.80	5.93			
Specific Conductivity (mmhos/cm)*:	171.2	182.6	190.2	184.1	193.7			
Water Temperature (°C)*:	20.2	19.0	18.6	18.4	18.3			
Turbidity (NTU)*:	273.6	194.3	164.30	56.21	10.69			
Physical Characteristics (color/odor):	Light Brown / Odor	Light Brown / Odor	Light Brown / Odor	Clear/ Odor	Clear/ Odor			
Depth to Water (ft from TOC):	6.13	8.09	8.77	9.63	10.47			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: *Jared Pawless*

Date: 4/19/2021



Well Development Data Verification Form
Underground Storage Tank Management Division

Facility Name:	<u>Coastal 76 Truck Stop</u>	Site ID#:	<u>03538</u>	Date:	<u>4/19/2021</u>
Drilling Company:	<u>EDPS</u>	Driller:	<u>Jared Pawless</u>		
Field Personnel:	<u>K.J., J.P.</u>	Driller Certification Number:	<u>D 2100</u>		
Weather Conditions:	<u>Sunny</u>	Temp. (°F):	<u>79</u>		

Well Development Method

Surge Block: Submersible Pump: X Air Lifting:

**Bailing can be combined with any of the above methods, but not utilized alone for development

Quality Assurance

<u>pH Meter:</u>	<u>Conductivity Meter:</u>	<u>Temperature Meter:</u>	<u>Turbidity Meter:</u>
Serial no. <u>15E101481</u>	Serial no. <u>15E101481</u>	Serial no. <u>14H103098</u>	Serial No. <u>201301174</u>
pH=4.0 <u>X</u>	Standard <u>X</u>		NTU 0.0 <u>X</u>
pH=7.0 <u>X</u>			NTU 1.0 <u>X</u>
pH=10.0 <u>X</u>			NTU10.0 <u>X</u>

Drilling Method

Hollow Stem Augers: <u>X</u>	Solid Flight Augers: <u> </u>	Direct Push: <u> </u>
Air Rotary: <u> </u>	Mud Rotary: <u> </u>	Sonic: <u> </u>

Monitoring Well ID#:	<u>RW-6</u>	Well Casing Diameter (in)	<u>4</u>	Borehole Diameter (in):	<u>10.0</u>
Depth to Ground Water (DGW):	<u>6.28</u> ft.	Screen Length (ft):	<u>15</u>	Slot Size (in):	<u>0.010</u>
Total Well Depth (TWD):	<u>17.96</u> ft.	Screen Interval:	<u>3.0</u> ft. to <u>18.0</u> ft.		
Length of Water Column (TWD-DGW):	<u>11.68</u> ft.	Type of Drilling Fluid Used:	<u>N/A</u>		
Total Gallons of Water Removed:	<u>20.00</u> gals.	Drilling Fluids Recovered:	<u>N/A</u>		

Time:	13:26	13:28	13:30	13:32	13:34			
pH(s.u)*:	5.80	5.47	5.30	5.42	5.44			
Specific Conductivity (mmhos/cm)*:	152.0	257.0	139.9	192.6	164.1			
Water Temperature (°C)*:	19.9	19.0	19.0	18.9	19.0			
Turbidity (NTU)*:	277.4	164.3	89.41	32.44	8.74			
Physical Characteristics (color/odor):	Light Brown / Odor	Light Brown / Odor	Light Brown / Odor	Clear/ Odor	Clear/ Odor			
Depth to Water (ft from TOC):	6.49	8.13	10.03	12.01	13.67			
Cumulative Gallons Removed:	0.0	5.0	10.0	15.0	20.0			

Detailed Description of Well Development Process:

The monitoring well was developed using a Mini-Monsoon well pump. The submersible pump was placed inside the water column and operated until all water was evacuated. The well was allowed to recharge before development continued. Development was complete after 20.0 gallons were removed.

Driller Signature: _____

Date: 4/19/2021

APPENDIX F:
AQUIFER EVALUATION SUMMARY FORMS, DATA, GRAPHS, EQUATIONS
(Not Applicable)

APPENDIX G:
DISPOSAL MANIFEST



May 3, 2021

Re: Treatment of Purge Water
Coastal 76 Truck Stop
Florence, South Carolina
SCDHEC Site ID Number 03538
MECI Project Number 20-7518

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results of from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 30 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.

May 3, 2021

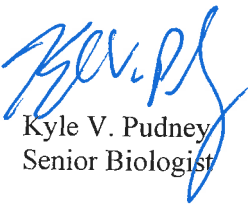
- 320.00 gallons were treated on April 19, 2021 during development of the newly installed monitoring wells.
- 571.00 gallons were treated on April 20, 2021 during purging/sampling of the monitoring well network.

A total of 891.00 gallons were treated at the referenced site.

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,
Midlands Environmental Consultants, Inc.



Kyle V. Pudney
Senior Biologist



Richland County LF
1047 Highway Church Road
Elgin, SC, 29045
Ph: (803) 788-3054

Reprint
Ticket# 1816663

Customer Name MIDLANDSENVIRON MIDLANDS ENVI Carrier MIDLANDSENVIRON MIDLANDS ENVIRONMENT
Ticket Date 04/16/2021 Vehicle# 1 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000469
State Waste Code Gen EPA ID
Manifest 0
Destination
PO
Profile VA2718 (SOIL FROM UST ASSESSMENT)
Generator 126-MIDLANDSENVIRONMENTAL MIDLANDS ENVIRONMENTAL

	Time	Scale	ScaleMaster	Gross	14820 lb
In	04/16/2021 08:38:45	Inbound #2	KENNY1	Tare	9000 lb
Out	04/16/2021 08:59:18	Outbound	Dwayne	Net	5820 lb
				Tons	2.91

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 SOIL-Cont. Soil -	100	2.91	Tons				40-RICHLAN
2 FUEL-Fuel Surcharg	100		%				40-RICHLAN
3 EVF-P-Standard Env	100		%				40-RICHLAN
4 RCR-P-Regulatory C	100		%				40-RICHLAN

Total Fees
Total Ticket

Driver's Signature



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of	
3. Generator's Mailing Address: MIDLANDS ENVIRONMENTAL CONSULTANTS, INC. 231 DOOLEY ROAD LEXINGTON, SC 29073		Generator's Site Address (If different than mailing): Coastal 76 Truck Stop 2513 E Palmetto St. Florence, SC Florence County US-03538 100%		A. Manifest Number		B. State Generator's ID	
4. Generator's Phone 803-808-2042 X2		5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		E. State Transporter's ID	
9. Designated Facility Name and Site Address RICHLAND COUNTY LANDFILL, INC. 1047 HIGHWAY CHURCH ROAD ELGIN, SC 29045		10. US EPA ID Number		F. Transporter's Phone		G. State Facility ID 402401-1101	
				H. State Facility Phone 803-744-3373			
GENERATOR	11. Description of Waste Materials			12. Containers		13. Total Quantity	
	a NON-HAZ GAS AND DIESEL CONTAMINATED SOIL			No. Type		14. Unit Wt./Vol.	
	WM Profile # VA2718					I. Misc. Comments	
	b.						
	WM Profile #						
	c.						
WM Profile #							
d.							
WM Profile #							
J. Additional Descriptions for Materials Listed Above			K. Disposal Location				
			Cell				
			Grid				
			Level				
15. Special Handling Instructions and Additional Information							
Purchase Order #							
EMERGENCY CONTACT / PHONE NO.:							
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.							
Printed Name Kyle Jacobs			Signature "On behalf of"		Month 4		Day 16
					Year 21		
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials			Signature		Month 4	
	Printed Name Kyle Jacobs					Day 16	
					Year 21		
FACILITY	18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Month	
	Printed Name					Day	
					Year		
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.							
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.							
Printed Name Kenneth Robbins			Signature		Month 4		Day 16
					Year 21		

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

APPENDIX H:
LOCAL ZONING REGULATIONS
(Not Applicable)

APPENDIX I:
FATE AND TRANSPORT MODELING
(Not Applicable)

APPENDIX J:
ACCESS AGREEMENTS

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
Encroachment Permit

Permit No : 241302

Permit Decision Date :

1/22/2021

Expiration Date : 1/22/2022

Type

Permit : ENVIRONMENTAL

Location:

<u>District</u>	<u>Work County</u>	<u>Type</u>	<u>Route</u>	<u>Aux</u>	<u>Begin MP</u>	<u>End MP</u>
5	Florence, SC	US	76	None	21.214	21.214

Contact Information

Applicant: MidlandsEnvironmentalConsultants

Phone:

Contact: Kyle Pudney

Address: 231 Dooley Rd,

City: Lexington

State: SC

Zip: 29072

Comments

One groundwater monitoring well will be installed along the southern shoulder of East Palmetto Street (US Hwy 76). The well will be installed approximately 100 feet south/southeast of the intersection of N. Koppers Road & East Palmetto Highway along the grass median. The well will be installed approximately 10 feet from edge of pavement, out of wheel path, and flush with the current grade.

Special Provisions:

9999 - See Attached for Additional Special Provisions

APPENDIX K:
DATA VERIFICATION CHECKLIST

Contractor Checklist

Item#	Item	Yes	No	N/A
1	Are 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? (Table 2 & Figure 5)	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? (Appendix B)	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?	X		
27	Does the report include a brief discussion of the fate & transport models used?			X

Item#	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?	X		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the <u>current</u> and historical laboratory data been provided in tabular format? (Table 3)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form? (Appendix F)	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? (Figures 4, 4A, 4B, 4C)	X		
40	Has the site potentiometric map been provided? (Figure 5)	X		
41	Have the geologic cross-sections been provided? (Figure 6)			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements? (Appendix A)			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix C)			X
47	Have the soil boring/field screening logs been provided? (Appendix D)			X
48	Have the well completion logs and SCDHEC Form 1903 been provided? (Appendix E)	X		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)	X		
50	Have the disposal manifests been provided? (Appendix G)	X		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			X
52	Has all fate and transport modeling been provided? (Appendix I)			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			X
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix K)	X		





SEP 05 2023



MR MALLOY D MCEACHIN
180 N IRBY ST MSC-XX
FLORENCE SC 29505

Re: Site-Specific Work Plan Request for Groundwater Sampling
Coastal 76 Truck Stop (Former), 2513 E Palmetto St, Florence, SC
UST Permit #03538
Release reported September 27, 1995
Assessment report received May 12, 2021
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed the referenced report.

To monitor what risk the referenced release may pose to public health and the environment, and in accordance with South Carolina UST Control Regulations (R. 61-92 § 280.65), sampling of all existing monitoring wells plus all water supply wells and surface water bodies within 1,000 feet of the referenced facility as outlined in the most recent revision of the UST Management Division Quality Assurance Program Plan and your contractor's Annual Contractor Quality Assurance Plan (ACQAP) is necessary. The groundwater sampling event must be conducted in compliance with all applicable regulations once the Site-Specific Work Plan (SSWP) is approved. **Your contractor must complete and submit the SSWP within thirty (30) days of the date of this letter. Please note that approval from DHEC must be issued before work begins.**

On all correspondence regarding this site, please reference the UST Permit number. Should you have any questions, please contact me by email dunnra@dhec.sc.gov or phone (803) 898-0671.

Sincerely,

Robert A. Dunn, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Cc: Midlands Environmental Consultants, PO Box 854, Lexington, SC 29071
Technical File



September 20, 2023

RECEIVED

SEP 25 2023

UST DIVISION

Mr. Robert Dunn, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201



Subject: Site-Specific Work Plan
Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
UST Permit# 03538
MECI Project Number 23-8197
Certified Site Rehabilitation Contractor UCC-0009

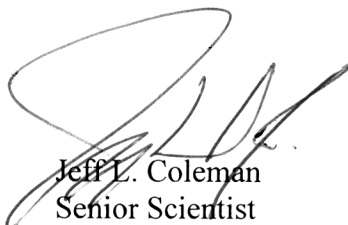
Dear Mr. Dunn,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

On September 19, 2023, MECI personnel performed a site visit to the subject site to evaluate site conditions, locate monitoring wells and identify potential problems for future sampling activities.

If you have any questions or comments, please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.



Jeff L. Coleman
Senior Scientist



**Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division**

To: Mr. Robert Dunn (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence SC 29506
Responsible Party: Malloy D. McEachin & Margaret M. Gates Phone: (803) 651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): Squeaky Shrimp, LLC.
Property Owner Address: 180 North Irby Street, Florence, SC 29501
Current Use of Property: Storage Shed Sales

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 (8260D)	☐ Lead	☐ BOD	☐ Methane
☒ Oxygenates (8260D)	☐ 8 RCRA Metals	☐ Nitrate	☐ Ethanol
☒ EDB (8011)	☐ TPH	☐ Sulfate	☐ Dissolved Iron
☐ PAH (8270E)	☐ pH	☐ Other _____	

Drinking Water Supply Wells:

☒ BTEXNMDCA (524.2)	☐ Mercury (200.8 245.1 or 245.2)	☒ EDB (504.1)
☒ Oxygenates & Ethanol (8260D)	☐ RCRA Metals (200.8)	

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	_____ 2 _____ Field Blank
_____ 35 _____ Monitoring Wells	_____ Surface Water	_____ 3 _____ Duplicate	_____ 3 _____ Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: _____ Estimated Footage: _____ feet per point
of deep points proposed: _____ Estimated Footage: _____ feet per point

Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

of shallow wells: _____ 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 #: 03538 Facility Name: Coastal 76 Truck Stop

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 9/20/2023

Field Work Completion: 11/20/2023

Report Submittal: 12/20/2023

of Copies Provided to Property Owners: _____

Aquifer Characterization

Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal

Soil: _____ Tons

Purge Water: 600.00

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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-During the initial site visit MECI personnel were unable to locate IGWAR, MW-2R, MW-4, MW-6, MW-8, MW-11, MW-22R, MW-22D, MW-29, TW-1, TW-2 and RW-4.

Many of these wells are under mobile sheds being sold by the property owner. MECI will coordinate with the property owner in order to gain access to these wells.

-All monitoring wells will be purged prior to sample collection.

-Samples will be analyzed for BTEXNM, 1,2-DCA, the 8 Oxygenates, and EDB

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: _____

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

None 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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



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: Coastal 76 Truck Stop

UST Permit #: 03538 **Cost Agreement #:** Proposal

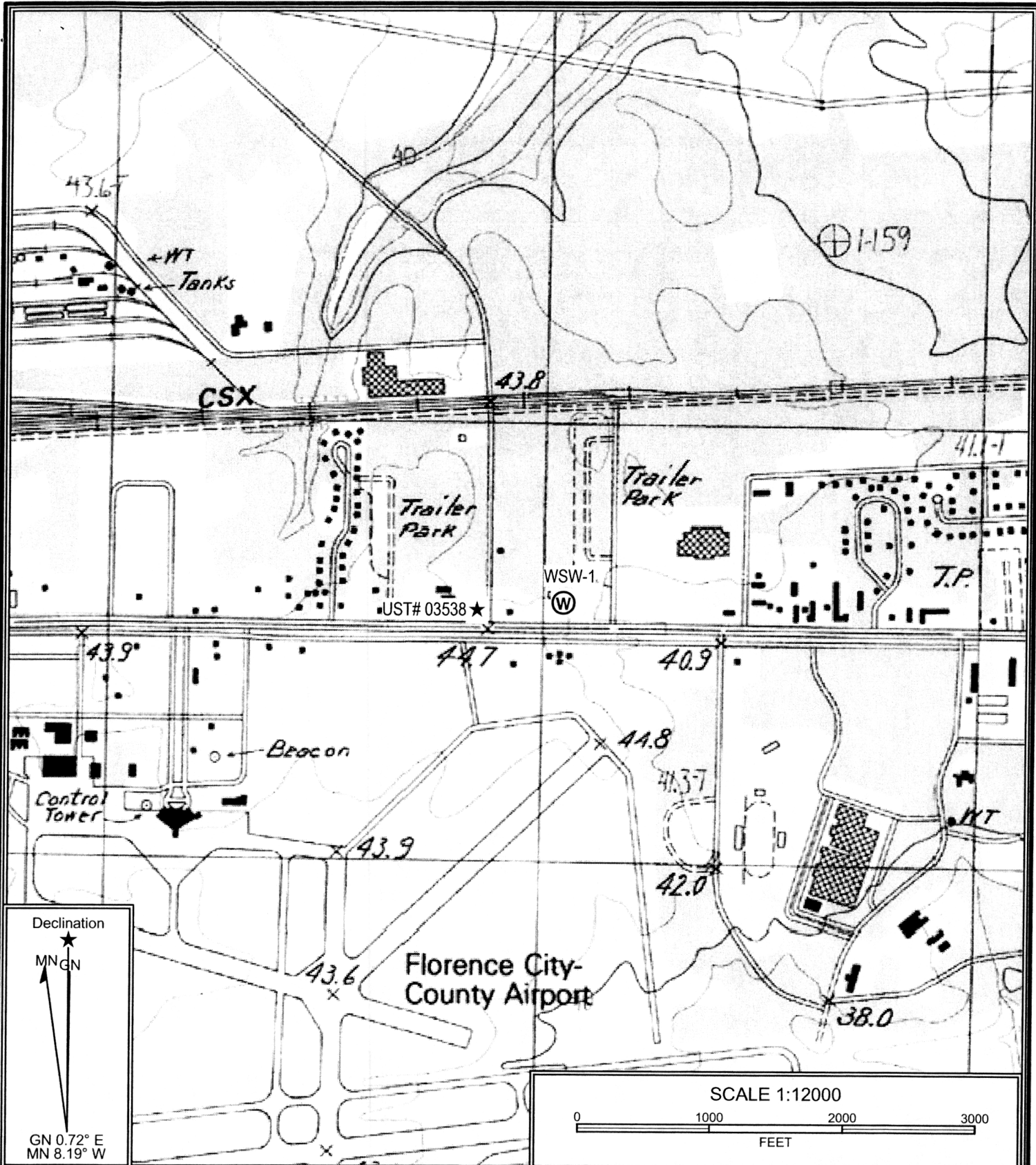
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Plan Preparation				
1.2 Site-specific Work Plan	1	each	\$183.22	\$183.22
2.2 Tax Map		each	\$85.50	\$0.00
3.2 QAPP Contractor Addendum (App B)		each	\$250.00	\$0.00
B. Survey				
1.1 Receptor Survey		each	\$673.06	\$0.00
C. Survey				
1.2 Comprehensive Survey		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	2	each	\$516.69	\$1,033.38
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	35	per well	\$73.29		\$2,565.15
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	5	sample	\$30.06		\$150.30
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)	40	per sample	\$149.02		\$5,960.80
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	38	per sample	\$55.21		\$2,097.98
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	600	gallon	\$1.19		\$714.00
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/skimers		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		each	\$61.07		\$0.00
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	\$14,077.39		\$1,689.29
TOTAL					\$15,766.68



Reference: Florence East, South Carolina
 Contour Interval— 2 Meters
 USGS 7.5 Min. Quad

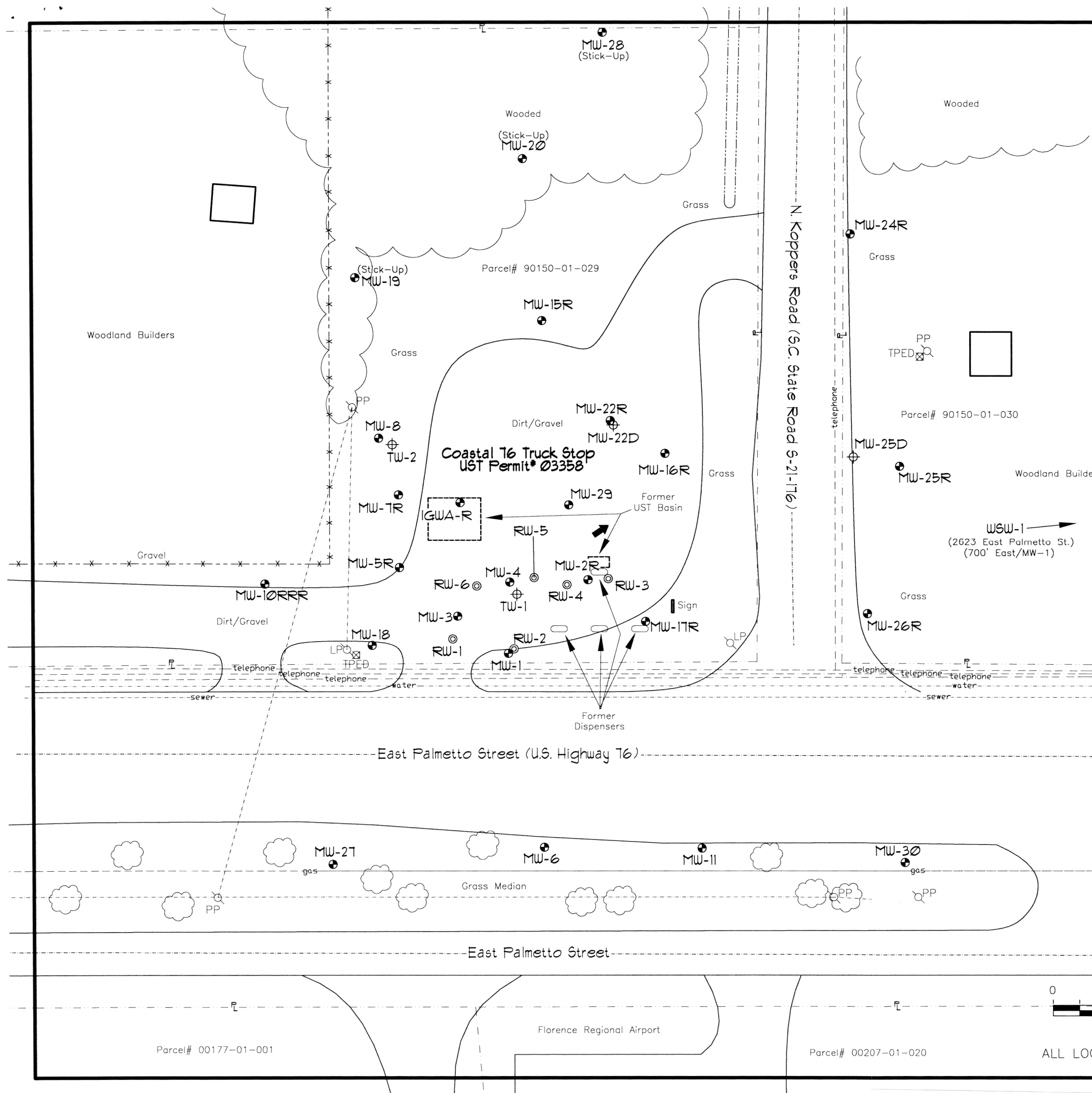
Midlands
 Environmental
 Consultants, Inc.

Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 SCDHEC Site ID# 03538

Figure 1

MECI 20-7518



Explanation:

- Location of Watertable Bracketing Monitoring Well
- Location of Double Cased "Deep" Monitoring Well
- Location of 4-Inch Recovery Well
- Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- Buried Gas Line
- Buried Water Line
- Buried Sewer
- Buried Telephone
- Fence

Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
SCDHEC Site ID 03538



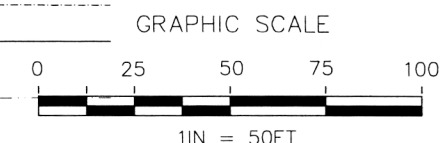
Midlands
Environmental
Consultants, Inc.

JOB NO. 20-7518

DATE April 30, 2021

FIGURE

2



ALL LOCATIONS ARE APPROXIMATE



OCT 24 2023

MR MALLOY D MCEACHIN
180 N IRBY ST MSC-XX
FLORENCE SC 29505

Re: Site-Specific Work Plan (SSWP) Approval & Groundwater Sampling Notice to Proceed
Coastal 76 Truck Stop (Former), 2513 E Palmetto St, Florence, SC
UST Permit #03538; CA #67803
Release reported September 27, 1995
Site Specific Work Plan received September 25, 2023
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced SSWP. All scopes of work should be conducted in compliance with the most recent revision of the Quality Assurance Program Plan for the UST Management Division, your contractor's ACQAP, the submitted SSWP, and all applicable regulations.

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 DHEC records, approximately \$134,321.90 has been expended from the SUPERB account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately \$15,766.68.

The Monitoring Report and invoice should be submitted within 60 days of the date of this correspondence. The approved costs are detailed in the enclosed Cost Agreement (CA).

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. 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.

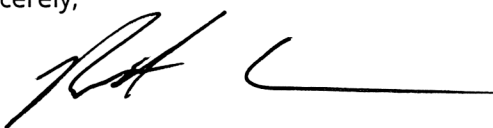
Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute state that the SUPERB Account cannot compensate any costs that are not pre-approved. If for any reason additional tasks will be completed, the additional tasks and the associated cost, must be pre-approved by the UST Management Division for the costs to be paid. DHEC 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, DHEC 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.

DHEC 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 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 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. Should you have any questions please contact me by email dunnra@dhec.sc.gov or phone (803) 898-0671.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Dunn', followed by a long horizontal line.

Robert A. Dunn, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Enc: Cost Agreement

Cc: Midlands Environmental Consultants, PO Box 854, Lexington, SC 29071 (w/ Enc)
Technical file (w/ Enc)

Approved Cost Agreement**67803**

Facility: 03538 COASTAL 76 TRUCK STOP

DUNNRA

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION					
		1.2 SITE SPECIFIC WORK PLAN	1.0000	\$183.220	183.22
D MOB/DEMOB					
		2.2 PERSONNEL	2.0000	\$516.690	1,033.38
J SAMPLE COLLECTION					
		1.2 GROUND WATER PURGE	35.0000	\$73.290	2,565.15
		3.2 WATER SUPPLY SAMPLE	1.0000	\$26.870	26.87
		8.2 FIELD DUPL. (MWS & WWS) & FB	5.0000	\$30.060	150.30
K ANALYSES					
	DW DRINKING WATER	14.2 BTEXNM+1,2 DCA (524.2) WSW	4.0000	\$151.520	606.08
		15.2 OXY GENATES & ETHANOL 8260D	4.0000	\$112.070	448.28
		16.2 EDB (504.1)	3.0000	\$97.110	291.33
	GW GROUNDWATER	1.2 BTEXNM+OXY GS+1,2 DCA+ETH 8260D	40.0000	\$149.020	5,960.80
		7.2 EDB BY EPA 8011	38.0000	\$55.210	2,097.98
Q DISPOSAL					
		1.2 WASTEWATER	600.0000	\$1.190	714.00
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$14,077.390	1,689.29
Total Amount					15,766.68



RECEIVED
MAY 06 2024
UST DIVISION

May 3, 2024

Mr. Robert Dunn, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201



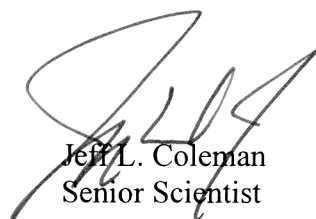
Subject: Site-Specific Work Plan
Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
UST Permit# 03538
Certified Site Rehabilitation Contractor UCC-0009

Dear Mr. Dunn,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site. MECI is making this proposal to collect current analytical data to evaluate the groundwater quality beneath the site.

If you have any questions or comments, please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.



Jeff L. Coleman
Senior Scientist



**Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division**

To: Mr. Robert Dunn (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence SC 29506
Responsible Party: Malloy D. McEachin & Margaret M. Gates Phone: (803) 651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): Squeaky Shrimp, LLC.
Property Owner Address: 180 North Irby Street, Florence, SC 29501
Current Use of Property: Storage Shed Sales

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 (8260D)	☐ Lead	☐ BOD	☐ Methane
☒ Oxygenates (8260D)	☐ 8 RCRA Metals	☐ Nitrate	☐ Ethanol
☒ EDB (8011)	☐ TPH	☐ Sulfate	☐ Dissolved Iron
☐ PAH (8270E)	☐ pH	☐ Other _____	

Drinking Water Supply Wells:

☒ BTEXNMDCA (524.2)	☐ Mercury (200.8 245.1 or 245.2)	☒ EDB (504.1)
☒ Oxygenates & Ethanol (8260D)	☐ RCRA Metals (200.8)	

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	_____ 2 _____ Field Blank
_____ 35 _____ Monitoring Wells	_____ Surface Water	_____ 3 _____ Duplicate	_____ 3 _____ Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: _____ Estimated Footage: _____ feet per point
of deep points proposed: _____ Estimated Footage: _____ feet per point

Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

of shallow wells: _____ 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 #: 03538 Facility Name: Coastal 76 Truck Stop

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 5/3/2024 Field Work Completion: 7/3/2024
Report Submittal: 8/3/2024 # of Copies Provided to Property Owners: _____

Aquifer Characterization

Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal

Soil: _____ Tons Purge Water: 150.0 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.

-MECI proposes conducting a groundwater sampling event to collect current analytical data to evaluate the groundwater quality beneath the site.

-Sampling at the referenced site has not been completed since October of 2023.

-MECI proposes only purging wells which do not bracket the water table.

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: _____

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller: _____

SCLLR Certification Number: _____

None 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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



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: Coastal 76 Truck Stop

UST Permit #: 03538 Cost Agreement #: Proposal

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	2	each	\$516.69	\$1,033.38
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	4	per well	\$73.29	\$293.16
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	31	sample	\$57.24	\$1,774.44
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	5	sample	\$30.06	\$150.30
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)	40	per sample	\$149.02	\$5,960.80
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	38	per sample	\$55.21	\$2,097.98
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

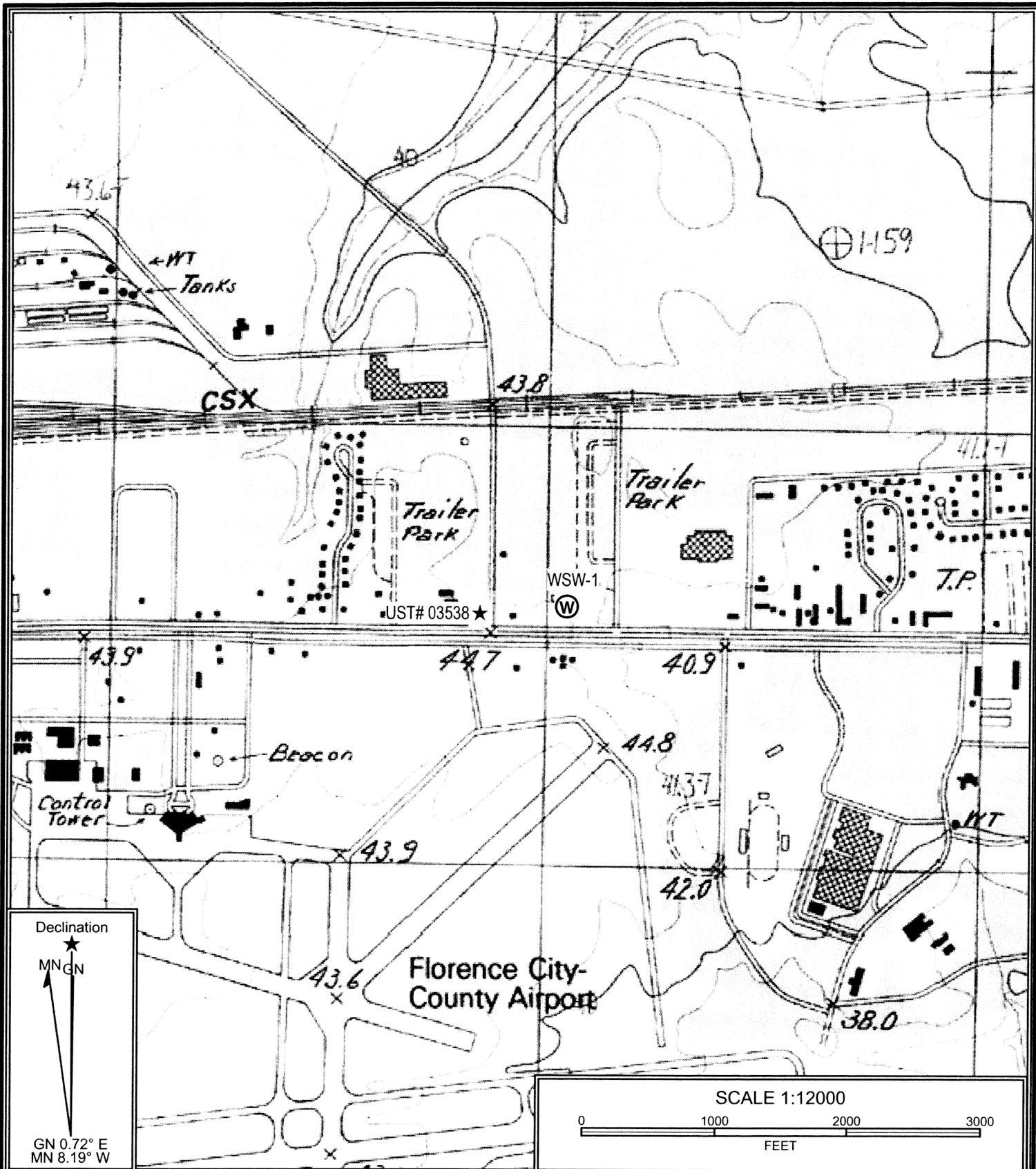
W. Aggressive Fluid & Vapor Recovery (AFVR)

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/skimers	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		each	\$61.07		\$0.00
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	\$13,044.34		\$1,565.32
TOTAL					\$14,609.66



Reference: Florence East, South Carolina
 Contour Interval- 2 Meters
 USGS 7.5 Min. Quad

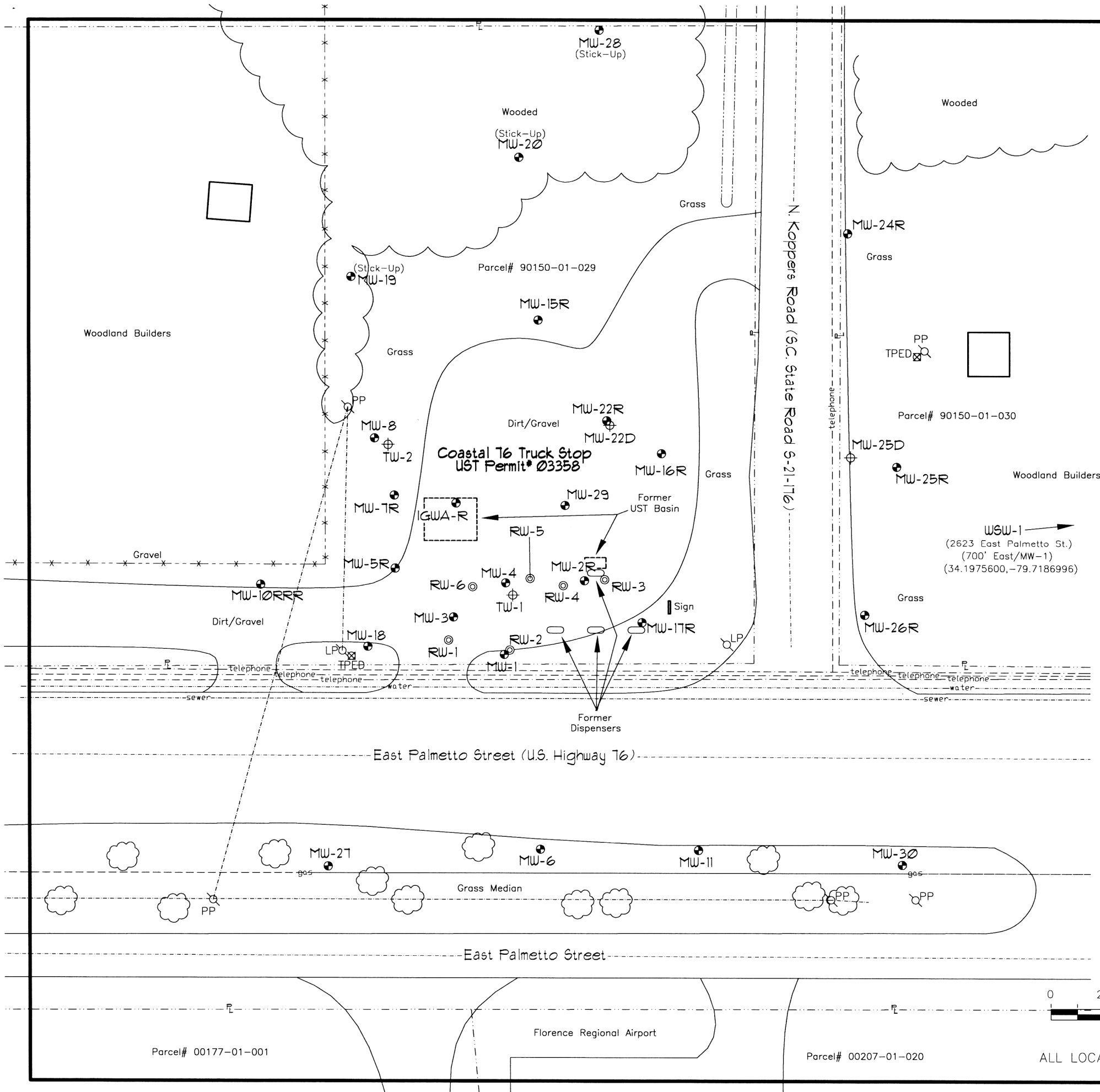
Midlands
 Environmental
 Consultants, Inc.

Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 UST Permit# 03538

Figure 1

MECI# 23-8191



Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- ⊙ Location of 4-Inch Recovery Well
- ↑ Estimated Groundwater Flow Direction
- Estimated Location of Removed Underground Storage Tanks
- P — Property Line
- gas — Buried Gas Line
- water — Buried Water Line
- sewer — Buried Sewer
- telephone — Buried Telephone
- fence — Fence

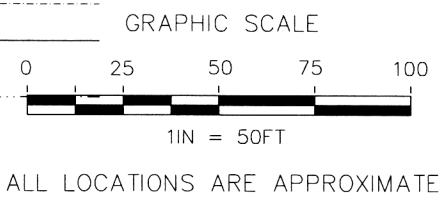
Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
UST Permit# 03538

Midlands Environmental Consultants, Inc.

JOB NO. 23-8197
DATE December 5, 2023
FIGURE 2





JUN 10 2024

MR MALLOY D MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

Re: Site-Specific Work Plan Approval & Groundwater Sampling Notice to Proceed
Coastal 76 Truck Stop (Former), 2513 E Palmetto St, Florence, SC
UST Permit #03538; CA #68767
Release #1 reported September 27, 1995
Site Specific Work Plan (SSWP) received May 6, 2024
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Health and Environmental Control (DHEC) has reviewed and approved the referenced SSWP. All scopes of work should be conducted in compliance with the most recent revision of the Quality Assurance Program Plan (QAPP) for the UST Management Division, your contractor's Annual Contractor Quality Assurance Plan (ACQAP), the submitted SSWP, and all applicable regulations.

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 DHEC records, approximately \$147,590.32 has been expended from the SUPERB account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately \$15,188.36.

The Monitoring Report and invoice should be submitted within 60 days of the date of this correspondence. If the report cannot be submitted by the required due date, an extension must be requested in writing, via mail or email, prior to the due date. DHEC will issue a Notice of Alleged Violation if the report is not submitted by the required due date. Approved costs are detailed in the enclosed Cost Agreement (CA). Please note the following changes to the cost agreement:

- 1) One additional personnel mobilization is approved to locate and repair monitoring wells.

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. 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.

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, the additional tasks and the associated cost, must be pre-approved by the UST Management Division for the costs to be paid. DHEC 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, DHEC 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. Reimbursement for site rehabilitation activities shall in no event exceed the actual costs incurred as required by SUPERB Site Rehabilitation and Fund Access Regulations (R.61-98 § III.3.b).

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.

DHEC 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 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 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.

The contractor will be responsible for keeping and preserving suitable records of hydrological and other site assessments, site plans, contracts, accounts, invoices, or other transactions related to the cleanup and rehabilitation and the records must be accessible to the department during regular business hours. In addition, this includes all subcontractor agreements, invoices, correspondence, plans, reports, records, including electronic and paper formats. All records must be maintained for 10 years after project completion.

On all correspondence regarding this site, please reference the UST Permit number. Should you have any questions please contact me by email dunnra@dhec.sc.gov or phone (803) 898-0671.

Sincerely,



Robert A. Dunn, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

Enc: Approved CA

Cc: Midlands Environmental Consultants, PO Box 854, Lexington, SC 29071 (w/ Enc)
Technical file (w/ Enc)

Approved Cost Agreement**68767**

Facility: 03538 COASTAL 76 TRUCK STOP

DUNNRA

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION		1.2 SITE SPECIFIC WORK PLAN	1.0000	\$183.220	183.22
D MOB/DEMOB		2.2 PERSONNEL	3.0000	\$516.690	1,550.07
J SAMPLE COLLECTION		1.2 GROUND WATER PURGE	4.0000	\$73.290	293.16
		3.2 WATER SUPPLY SAMPLE	1.0000	\$26.870	26.87
		4.2B NO-PURGE GROUNDWATER	31.0000	\$57.240	1,774.44
		8.2 FIELD DUPL. (MWS & WWS) & FB	5.0000	\$30.060	150.30
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	40.0000	\$149.020	5,960.80
		7.2 EDB BY EPA 8011	38.0000	\$55.210	2,097.98
Q DISPOSAL		1.2 WASTEWATER	150.0000	\$1.190	178.50
S REPORT PROJECT MANAGEMENT		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$13,561.030	1,627.32
Total Amount					15,188.35



December 9, 2024

RECEIVED
DEC 11 2024
UST DIVISION

Mr. Robert Dunn, Hydrogeologist
Corrective Action & Field Support Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management
South Carolina Department of Environmental Services
2600 Bull Street
Columbia, South Carolina 29201



Subject: Site-Specific Work Plan
Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
UST Permit# 03538
Certified Site Rehabilitation Contractor UCC-0009

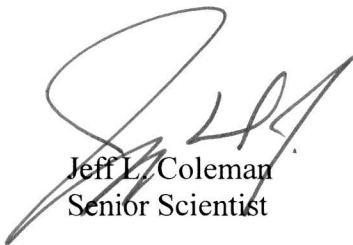
Dear Mr. Dunn,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Site-Specific Work Plan for the referenced site.

MECI is making this proposal to gather current analytical data to evaluate the groundwater quality beneath the site.

If you have any questions or comments, please feel free to contact us at 803-808-2043.

Sincerely,
Midlands Environmental Consultants, Inc.



Jeff L. Coleman
Senior Scientist



**Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division**

To: Mr. Robert Dunn (SCDHEC Project Manager)
From: Jeff L. Coleman (Contractor Project Manager)
Contractor: Midlands Environmental Consultants, Inc. UST Contractor Certification Number: 009

Facility Name: Coastal 76 Truck Stop UST Permit #: 03538
Facility Address: 2513 East Palmetto Street, Florence SC 29506
Responsible Party: Malloy D. McEachin & Margaret M. Gates Phone: (803) 651-8835
RP Address: 1007 Wentworth Drive, Florence, SC 29501
Property Owner (if different): Squeaky Shrimp, LLC.
Property Owner Address: 180 North Irby Street, Florence, SC 29501
Current Use of Property: Storage Shed Sales

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 (8260D)	☐ Lead	☐ BOD	☐ Methane
☒ Oxygenates (8260D)	☐ 8 RCRA Metals	☐ Nitrate	☐ Ethanol
☒ EDB (8011)	☐ TPH	☐ Sulfate	☐ Dissolved Iron
☐ PAH (8270E)	☐ pH	☐ Other _____	

Drinking Water Supply Wells:

☒ BTEXNMDCA (524.2)	☐ Mercury (200.8 245.1 or 245.2)	☒ EDB (504.1)
☒ Oxygenates & Ethanol (8260D)	☐ RCRA Metals (200.8)	

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	_____ 2 _____ Field Blank
_____ 36 _____ Monitoring Wells	_____ Surface Water	_____ 3 _____ Duplicate	_____ 3 _____ Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.

of shallow points proposed: _____ Estimated Footage: _____ feet per point
of deep points proposed: _____ Estimated Footage: _____ feet per point

Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.

of shallow wells: _____ 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 #: 03538 Facility Name: Coastal 76 Truck Stop

Implementation Schedule (Number of calendar days from approval)

Field Work Start-Up: 1/9/2025 Field Work Completion: 3/9/2025

Report Submittal: 4/9/2025 # of Copies Provided to Property Owners:

Aquifer Characterization

Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal

Soil: Tons Purge Water: 600.00 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/repared, well pads/bolts/caps to replace, details of AFVR event, etc.

-MECI proposes conducting a groundwater sampling event to collect semi-annual analytical data.

-MECI proposes to purge all monitoring wells prior to sample collection.

-MECI will attempt to sample 1 water supply well.

-Sampling at the referenced site has not been completed since June of 2024.

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:

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.

Name of Well Driller:

SCLLR Certification Number:

None 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	Proposed monitoring well locations
Location of property lines	Legend with facility name and address, UST permit number, and bar scale
Location of buildings	Streets or highways (indicate names and numbers)
Previous soil sampling locations	Location of all present and former ASTs and USTs
Previous monitoring well locations	Location of all potential receptors
Proposed soil boring locations	
3. Assessment Component Cost Agreement, SCDHEC Form D-3664



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: Coastal 76 Truck Stop

UST Permit #: 03538

Cost Agreement #: Proposal

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	2	each	\$516.69	\$1,033.38
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 Rotasonic (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	36	per well	\$73.29		\$2,638.44
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	5	sample	\$30.06		\$150.30
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)	41	per sample	\$149.02		\$6,109.82
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	39	per sample	\$55.21		\$2,153.19
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	600	gallon	\$1.19		\$714.00
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

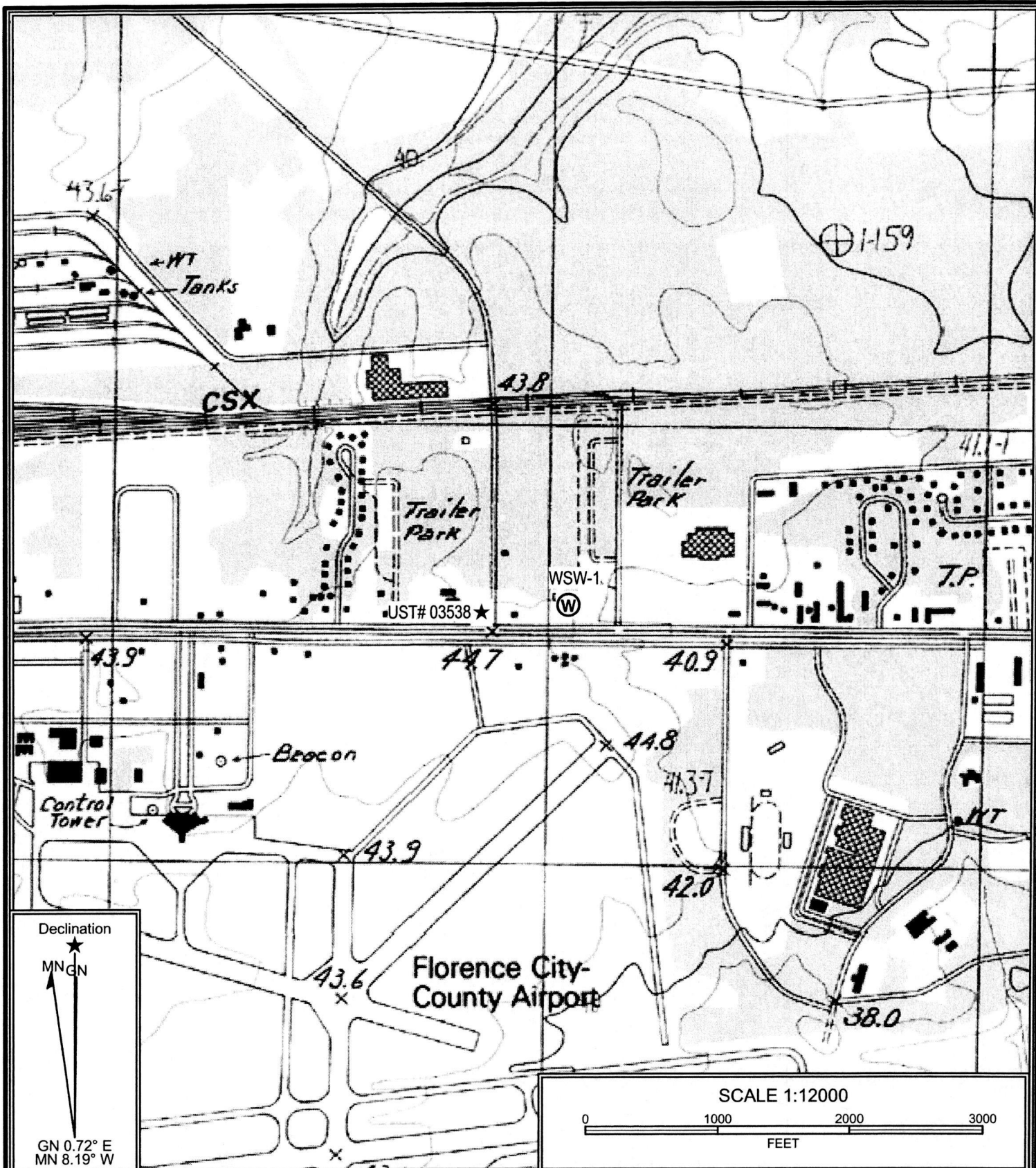
W. Aggressive Fluid & Vapor Recovery (AFVR)

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/skimers	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		each	\$61.07		\$0.00
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	\$14,354.91		\$1,722.59
TOTAL					\$16,077.50



Reference: Florence East, South Carolina
 Contour Interval- 2 Meters
 USGS 7.5 Min. Quad

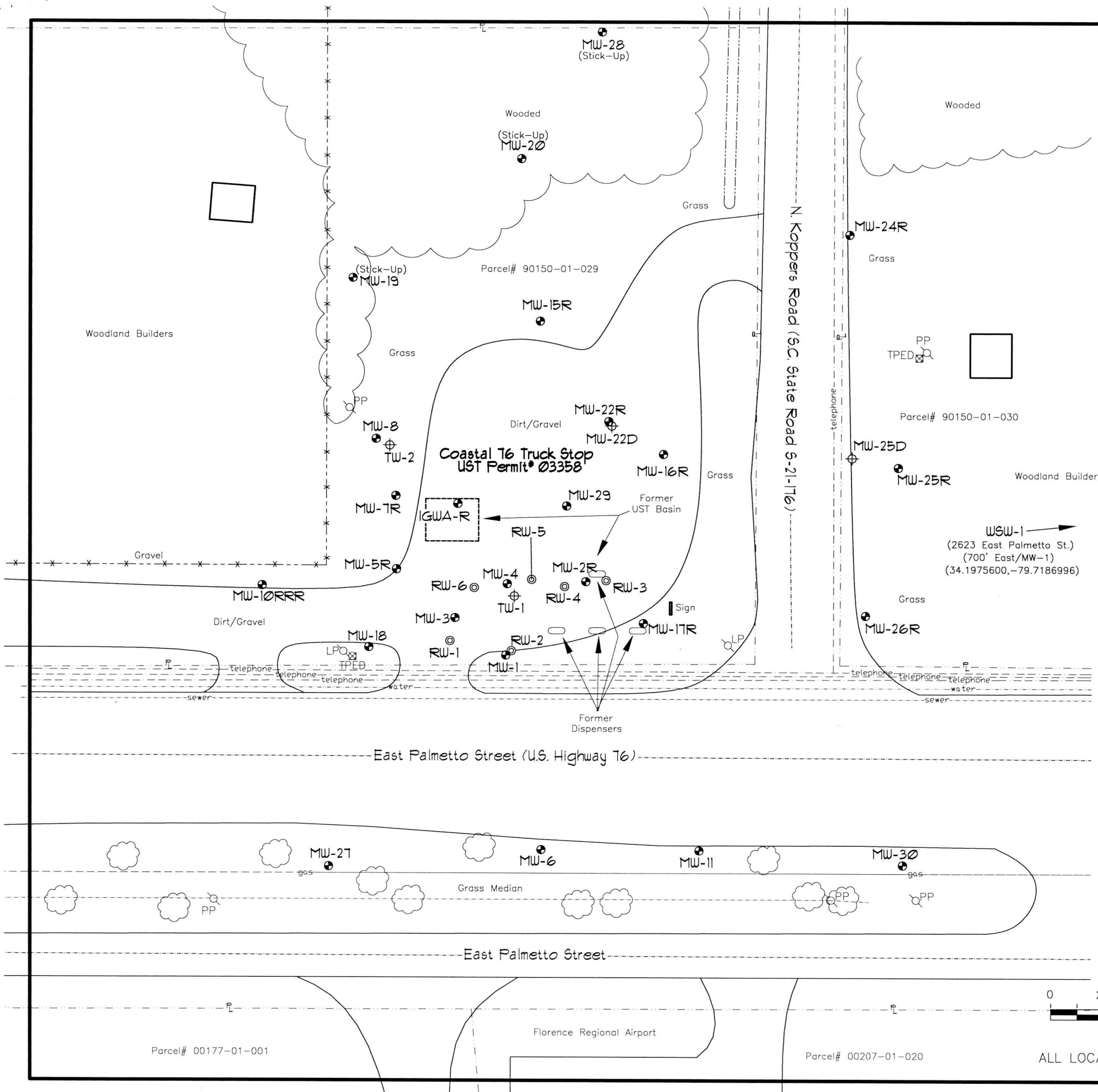
Midlands
 Environmental
 Consultants, Inc.

Site Location

Coastal 76 Truck Stop
 2513 East Palmetto Street, Florence, SC
 UST Permit# 03538

Figure 1

MECI# 24-8373



Explanation:

- Location of Watertable Bracketing Monitoring Well
- ⊙ Location of 4-Inch Recovery Well
- ⊕ Location of Double Cased "Deep" Monitoring Well
- Estimated Location of Removed Underground Storage Tanks
- Property Line
- gas --- Buried Gas Line
- water --- Buried Water Line
- sewer --- Buried Sewer
- telephone --- Buried Telephone
- fence --- Fence

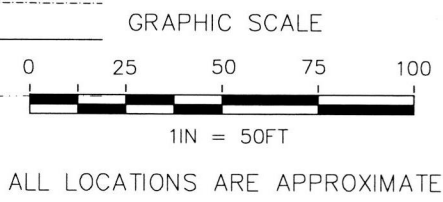
Drawing Based on MECI Field Notes, Tax Maps and a RLS Survey of the Site by Jay S. Joshi dated June 25, 2012.

Site Base Map

Coastal 76 Truck Stop
2513 East Palmetto Street
Florence, South Carolina
UST Permit# 03538

Midlands Environmental Consultants, Inc.

JOB NO. 24-8373
 DATE July 9, 2024
 FIGURE 2





SC DEPARTMENT of
**ENVIRONMENTAL
SERVICES**

Robert A. Dunn
Corrective Action & Field Support Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

MR MALLOY D MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

FEB 27 2025



Re: Site-Specific Work Plan (SSWP) Approval & Groundwater Sampling Notice to Proceed
Coastal 76 Truck Stop (Former), 2513 E Palmetto St, Florence, SC
UST Permit #03538; CA #69684
Release reported September 27, 1995
Site-Specific Work Plan received December 11, 2024
Florence County

Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the S.C. Department of Environmental Services (SCDES) has reviewed and approved the referenced SSWP. All scopes of work should be conducted in compliance with the most recent revision of the UST QAPP, your contractor's ACQAP, the submitted SSWP, and all applicable regulations.

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 SCDES records, approximately \$162,914.94 has been expended from the SUPERB account to date. This scope of work, as recommended by your contractor, is anticipated to cost approximately \$16,077.50.

The Monitoring Report and invoice should be submitted within 60 days of the date of this correspondence. If the report cannot be submitted as required, an extension request must be submitted in writing prior to the due date. The Department will issue a Notice of Alleged Violation if the report or an extension request is not submitted by the required due date.

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. 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.

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, the additional tasks and the associated cost, must be pre-approved by the UST Management Division for the costs to be paid. SCDES 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, SCDES 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. Reimbursement for site rehabilitation activities shall in no event exceed the actual costs incurred as required by SUPERB Site Rehabilitation and Fund Access Regulations (R.61-98 § III.3.b).

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 SCDES-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

SCDES 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 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 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.

The contractor will be responsible for keeping and preserving suitable records of hydrological and other site assessments, site plans, contracts, accounts, invoices, or other transactions related to the cleanup and rehabilitation and the records must be accessible to the department during regular business hours. In addition, this includes all subcontractor agreements, invoices, correspondence, plans, reports, records, including electronic and paper formats. All records must be maintained for 10 years after project completion.

On all correspondence regarding this site, please reference the UST Permit number. Should you have any questions please contact me by email Robert.Dunn@des.sc.gov or phone (803) 898-0671.

Sincerely,



Robert A. Dunn
Hydrogeologist III

Enc: Approved CA

Cc: Midlands Environmental Consultants, PO Box 854, Lexington, SC 29071 (w/ Enc)
Technical file (w/ Enc)

Approved Cost Agreement 69684

Facility: 03538 COASTAL 76 TRUCK STOP

DUNNRA

PO Number:

<u>Task / Description</u>	<u>Categories</u>	<u>Item Description</u>	<u>Qty / Pct</u>	<u>Unit Price</u>	<u>Amount</u>
A PLAN PREPARATION					
		1.2 SITE SPECIFIC WORK PLAN	1.0000	\$183.220	183.22
D MOB/DEMOB					
		2.2 PERSONNEL	2.0000	\$516.690	1,033.38
J SAMPLE COLLECTION					
		1.2 GROUND WATER PURGE	36.0000	\$73.290	2,638.44
		3.2 WATER SUPPLY SAMPLE	1.0000	\$26.870	26.87
		8.2 FIELD DUPL. (MWS & WWS) & FB	5.0000	\$30.060	150.30
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	41.0000	\$149.020	6,109.82
		7.2 EDB BY EPA 8011	39.0000	\$55.210	2,153.19
Q DISPOSAL					
		1.2 WASTEWATER	600.0000	\$1.190	714.00
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	\$14,354.910	1,722.59
Total Amount					16,077.50

UST #03538
Pl we enul 3/25/25

Robert A. Dunn

From: jlc@meci.net
Sent: Tuesday, March 25, 2025 3:40 PM
To: Robert A. Dunn
Cc: Stephanie M. Briney
Subject: UST#03538/CA#69684-Addendum
Attachments: 69684_Addendum.xlsx

Robert,

Please find the attached addendum for the above referenced site. Let me know if you have any questions or concerns.

Thanks,



Jeff L. Coleman
Senior Scientist/Managing Principal
Midlands Environmental Consultants, Inc.
(office) 803-808-2043 Ext. 2
(cell) 803-446-0365
jlc@meci.net



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**ASSESSMENT COMPONENT COST AGREEMENT**

South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: Coastal 76 Truck StopUST Permit #: 3538Cost Agreement #: 69684

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
A. Plan Preparation				
1.2 Site-specific Work Plan		each	\$183.22	\$0.00
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		each	\$516.69	\$0.00
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	-1	per well	\$73.29	(\$73.29)
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	-1	sample	\$30.06	(\$30.06)
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)		per sample	\$149.02	\$0.00
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

AddendumPreviously Approved: \$16,077.50Increase: (\$1,859.94)New Approved Total: \$14,217.56

Project Manager: _____

Section Manager: _____

Finance: _____

Date: _____

of pages _____

From: _____

UST/SCDHEC

fax # () _____

Phone # () _____

The SCDHEC reserves the authority to pay
only for work properly performed and/or
technically justified and will only pay
rates in accordance with established criteria.

7.2 EDB by EPA 8011		per sample	\$55.21	\$0.00
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	-155.25	gallon	\$1.19	(\$184.75)
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/skimers		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		each	\$61.07	\$0.00
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	(\$1,660.66)	(\$199.28)
TOTAL				(\$1,859.94)

UST#03538/CA#69684-Addendum

From jlc@meci.net <jlc@meci.net>

Date Tue 3/25/2025 3:43 PM

To Robert A. Dunn <Robert.Dunn@des.sc.gov>

Cc Stephanie M. Briney <Stephanie.Briney@des.sc.gov>

 1 attachment (82 KB)

69684_Addendum.xlsx;



Robert,

Please find the attached addendum for the above referenced site. Let me know if you have any questions or concerns.

Thanks,



Jeff L. Coleman

Senior Scientist/Managing Principal

Midlands Environmental Consultants, Inc.

(office) 803-808-2043 Ext. 2

(cell) 803-446-0365

jlc@meci.net

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ASSESSMENT COMPONENT COST AGREEMENT
South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: Coastal 76 Truck Stop

UST Permit #: 3538

Cost Agreement #: 69684

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
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1.2 Site-specific Work Plan		each	\$183.22	\$0.00
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		each	\$516.69	\$0.00
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 Rotasonic (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	-1	per well	\$73.29	(\$73.29)
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	-1	sample	\$30.06	(\$30.06)
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)		per sample	\$149.02	\$0.00
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

Addendum

Previously Approved: \$16,077.50

Increase: (\$1,859.94)

New Approved Total: \$14,217.56

Project Manager: _____

Section Manager: _____

Finance: _____

Date: _____

of pages

From: _____

UST/SCDHEC

fax # () _____

Phone # () _____

The SCDHEC reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria

7.2 EDB by EPA 8011		per sample	\$55.21	\$0.00
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 Plano (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	-155.25	gallon	\$1.19	(\$184.75)
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/skimers		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		each	\$61.07	\$0.00
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	(\$1,660.66)	(\$199.28)
TOTAL				(\$1,859.94)

UST#03538/CA#69684-Addendum

From jlc@meci.net <jlc@meci.net>

Date Tue 3/25/2025 3:43 PM

To Robert A. Dunn <Robert.Dunn@des.sc.gov>

Cc Stephanie M. Briney <Stephanie.Briney@des.sc.gov>

 1 attachment (82 KB)

69684_Addendum.xlsx;

Robert,

Please find the attached addendum for the above referenced site. Let me know if you have any questions or concerns.

Thanks,



Jeff L. Coleman

Senior Scientist/Managing Principal

Midlands Environmental Consultants, Inc.

(office) 803-808-2043 Ext. 2

(cell) 803-446-0365

jlc@meci.net

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.



SC DEPARTMENT of
**ENVIRONMENTAL
SERVICES**

Robert A. Dunn
Corrective Action & Field Support Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

MR MALLOY D MCEACHIN
1007 WENTWORTH DR
FLORENCE SC 29501

Re: Notification of Site-Specific Target Levels & Strategy to Closure
UST Permit #03538; Coastal 76 Truck Stop (Former), 2513 E Palmetto St, Florence, SC
Release reported September 27, 1995
Report of Groundwater Monitoring received April 3, 2025
Florence County



Dear Mr. McEachin:

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Environmental Services (SCDES) has established Site-Specific Target Levels (SSTLs) for the referenced release. The SSTLs are being provided to you and your contractor to help plan the investigative and remedial activities that are required.

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 SCDES records, approximately \$177,132.50 has been expended from the SUPERB Account to date.**

Please see enclosed table for Site-Specific Target Levels (SSTLs). Your consultant should use previous assessment data and the SSTLs to evaluate site rehabilitation options as indicated in the Quality Assurance Program Plan for the UST Management Division (QAPP § A6.XIV, and B1.IV.). A Strategy to Closure document has been enclosed with points of consideration and discussion to be utilized in the development of the corrective action and closure strategy for this release. To assist in the selection of potential remedial technologies, please review the check lists at this link.
<https://des.sc.gov/programs/bureau-land-waste-management/underground-storage-tanks/ust-owneroperator-information>

A meeting has been set for September 30, 2025, to discuss the proposed path to closure for this release. Please contact me within 15 days of the date of this letter to confirm the meeting date and time. In addition, please review and complete the Strategy to Closure document and remedial checklists and return them within 30 days from the date of this letter. The Strategy to Closure document and remedial checklists should be utilized in the development of the closure strategy for this release.

On all correspondence regarding this site, please reference the UST Permit number. Should you have questions, please contact me by email robert.dunn@scdes.sc.gov or phone at (803) 898-0671.

Sincerely,

Robert A. Dunn
Hydrogeologist III

Enc: Table of SSTLs
Strategy to Closure Form
Targeted Scope Cost Agreement

Cc: Midlands Environmental Consultants, PO Box 854, Lexington, SC 29071 Contractor Info (w/ Enc)
Quincy Hoffer (w/o Enc)
Technical file (w/ Table of SSTLs)

UST Facility Name: COASTAL 76 TRUCK STOP

UST Permit #: 03538

Table of SSTLs

Site-specific target levels (SSTLs) in parts per billion (µg/l):

[illegible]

BOLD SSTLs equal to Effective Solubility Limits for Gasoline Constituents (UST QAPP revision 4.0, Table D7)